

## LISTE DER VERÖFFENTLICHUNGEN 1963 bis 2020

1. O. Glemser, H.W. Roesky, K.H. Hellberg  
Angew. Chem. **1963**, 75, 346-347  
Darstellung von Chrompentafluorid und Chromhexafluorid  
Angew. Chem. Int. Ed. **1963**, 2, 266-267
2. H.W. Roesky, O. Glemser  
Angew. Chem. **1963**, 75, 920-921  
Neue Darstellung von Mangantetrafluorid  
Angew. Chem. Int. Ed. **1963**, 2, 626
3. H.W. Roesky, O. Glemser  
Chem. Ber. **1964**, 97, 1710-1712  
Über die Darstellung von Oxalsäurediazid
4. H.W. Roesky, O. Glemser, D. Bormann  
Angew. Chem. **1964**, 76, 713-714  
Darstellung von Difluordiazin und zur Existenz  
von Chlorfluordiazin
5. H.W. Roesky, A. Hoff  
Chem. Ber. **1965**, 98, 2429-2430  
Notiz über Umsetzungen von Sulfurylchlorfluorid mit  
Diäthylamin und n-Butylamin
6. H.W. Roesky, O. Glemser, K.H. Hellberg  
Chem. Ber. **1965**, 98, 2046-2048  
Darstellung von Metallfluoriden in der Wirbelschicht
7. H.W. Roesky, D. Bormann, O. Glemser  
Akad. d. Wiss. Göttingen **1965**, 20  
Darstellung und Eigenschaften von Fluordiazonium-  
Hexafluorantimonat
8. H.W. Roesky, O. Glemser, K.H. Hellberg  
Chem. Ber. **1966**, 99, 459-461  
Darstellung einiger Metallfluoride durch Reaktion von  
Metallpulver mit Fluorwasserstoff unter Druck
9. H.W. Roesky, O. Glemser, D. Bormann  
Chem. Ber. **1966**, 99, 1589-1593  
Über die Darstellung und einige Reaktionen  
von Difluordiazin
10. O. Glemser, H.W. Roesky, K.H. Hellberg, H.U. Werther  
Chem. Ber. **1966**, 99, 2652-2662  
Darstellung und Eigenschaften von Osmiumheptafluorid

## Publikationen H. W. Roesky 1963 bis 2020

11. E.L. Muetterties, H.W. Roesky, C. M. Wright  
J. Am. Chem. Soc. **1966**, 88, 4856-4861  
Chelate Chemistry. V. Metal Chelates Based on Tropolone  
and Its Derivatives
12. H.W. Roesky  
Angew. Chem. **1967**, 79, 61  
Darstellung von Phosphoryl-difluorid-isothiocyanat  
und Phosphorylfluorid-diisothiocyanat
13. H.W. Roesky  
Angew. Chem. **1967**, 79, 61-62  
Synthese von Thiophosphoryl-difluorid-isothiocyanat  
und Thiophosphorylfluorid-diisothiocyanat
14. H.W. Roesky, O. Glemser, A. Hoff, W. Koch  
Inorg. Nucl. Chem. Letters **1967**, 3, 39-42  
Über das Azyldifluorosulfation  $\text{NSF}_2\text{O}^-$
15. B. Krebs, A. Müller, H.W. Roesky  
Molecular Physics **1967**, 12, 469-474  
Kraftkonstanten tetraedrischer Oxoanionen des Mangans  
( $\text{MnO}_4^-$ ,  $\text{MnO}_4^{2-}$ ,  $\text{MnO}_4^{3-}$ ) und Rutheniums ( $\text{RuO}_4$ ,  $\text{RuO}_4^-$ ,  
 $\text{RuO}_4^{2-}$ )
16. O. Glemser, H.W. Roesky, P.R. Heinze  
Angew. Chem. **1967**, 79, 153 - 154  
Synthese von *N*-(Fluorosulfonyl)schwefeldifluorimid
17. H.W. Roesky, F.N. Tebbe, E.L. Muetterties  
J. Am. Chem. Soc. **1967**, 89, 1272  
New Phosphorus-Sulfur Chemistry
18. A. Müller, H.W. Roesky  
Z. Physik. Chem. **1967**, 55, 218-223  
Infrarotspektren von gasförmigem  $\text{SPFCl}_2$  und  $\text{SPFBr}_2$
19. A. Müller, H.W. Roesky, B. Krebs  
Z. Chem. **1967**, 7, 159-160  
Das Schwingungsspektrum von  $\text{SPF}_3$
20. H.W. Roesky  
Angew. Chem. **1967**, 79, 316  
Darstellung von Tetrachlorodicyanophosphaten und  
zur Existenz von Tetrachlorodifluorophosphaten  
Angew. Chem. Int. Ed. Engl. **1967**, 6, 363  
Preparation of Tetrachlorodicyanophosphated  
and the Existence of Tetrachlorodifluorophosphates

## Publikationen H. W. Roesky 1963 bis 2020

21. H.W. Roesky  
Chem. Ber. **1967**, *100*, 950-953  
Darstellung und Untersuchung von Difluorothiophosphaten
22. H.W. Roesky  
Chem. Ber. **1967**, *100*, 1447-1450  
Darstellung und Untersuchung von Dichlorothiophosphaten  
und Chlorfluorothio-phosphaten
23. H.W. Roesky  
Chem. Ber. **1967**, *100*, 2138-2141  
Über Diazido-, Fluoro-azido-, Difluorothiophosphate  
und Dicyanodithiophosphate
24. H.W. Roesky  
Chem. Ber. **1967**, *100*, 2147-2150  
Über Reaktionen mit Pyrophosphoryltetrafluorid
25. H.W. Roesky  
Chem. Ber. **1967**, *100*, 2142-2146  
Über die Darstellung von Phosphorfluoridiso-thiocyanaten
26. H.W. Roesky  
Angew. Chem. **1967**, *79*, 651  
Angew. Chem. Int. Ed. Engl. **1967**, *6*, 637  
Preparation of Hexaazidophosphates
27. O. Glemser, H.W. Roesky, P.R. Heinze  
Angew. Chem. **1967**, *79*, 723  
Angew. Chem. Int. Ed. Engl. **1967**, *8*, 710-711  
Synthese von N-(Difluorphosphoryl)schwefeldifluorid-imid  
und N-(Fluorsulfonyl)schwefeloxiddifluoridimid
28. H.W. Roesky  
Angew. Chem. **1967**, *79*, 724  
Angew. Chem. Int. Ed. Engl. **1967**, *6*, 711  
Darstellung von N-(Fluorsulfonyl)schwefeloxidimid  
und N-(Fluorosulfonyl)schwefeldichloridimid
29. H.W. Roesky  
Z. Naturforsch. **1967**, *22b*, 716-718  
Über die Darstellung von Alkyldithiofluorophosphaten
30. H.W. Roesky, A. Müller  
Z. Anorg. Allg. Chem. **1967**, *353*, 265-269  
Infrarotspektren von  $\text{PF}_2(\text{NCS})$ ,  $\text{PF}(\text{NCS})_2$ ,  $\text{OPF}_2(\text{NCS})$ ,  
 $\text{OPF}(\text{NCS})_2$ ,  $\text{SPF}_2(\text{NCS})$  und  $\text{SPF}(\text{NCS})_2$

## Publikationen H. W. Roesky 1963 bis 2020

31. H.W. Roesky, U. Biermann  
Angew. Chem. **1967**, 79, 904-905  
Darstellung von *N*-Dichlormethylen-sulfonyl-chloridamid  
und *N*-Dichlormethylen-sulfonylfluoridamid
  
32. A. Müller, H.W. Roesky, D. Böhler  
Z. Chem. **1967**, 7, 469-470  
Das Massenspektrum von SbF<sub>5</sub>; Zum Schwingungsspektrum  
und zur Struktur von Antimon-pentafluorid
  
33. H.W. Roesky  
Z. Naturforsch. **1968**, 23b, 103-104  
Berechnung von Kraftkonstanten an Thiophosphaten
  
34. H.W. Roesky  
Angew. Chem. **1968**, 80, 43 - 44  
*N*-(Chlorsulfonyl)schwefeldichloridimid und  
*N,N'*Hydrazodisulfonyl-difluorid
  
35. H.W. Roesky  
Angew. Chem. **1968**, 80, 44  
Darstellung von *N*-Trifluormethyl-sulfonylfluoridamid  
und seinen Salzen
  
36. H.W. Roesky, A. Hoff  
Chem. Ber. **1968**, 101, 162-173  
Darstellung und Untersuchung von  
Fluorsulfurylverbindungen
  
37. H.W. Roesky, O. Glemser, A. Hoff  
Chem. Ber. **1968**, 101, 1215-1222  
Zur Hydrolyse des Thiazylfluorids und  
Tetraschwefeltetranitrids und über die Reaktion von  
Natriumthiosulfat mit Salzsäure
  
38. H.W. Roesky  
Chem. Ber. **1968**, 101, 636-642  
Synthese neuer Phosphor-Fluor-Verbindungen
  
39. H.W. Roesky, D. Bormann  
Chem. Ber. **1968**, 101, 630-635  
Über die Darstellung und Reaktionen von Azido-  
organodithiophosphonaten und Organothiophos-phonaten
  
40. H.W. Roesky, R. Mews  
Angew. Chem. **1968**, 80, 235-236  
*N*-(Fluorformyl)iminoschwefeldichlorid und *N*-  
(Chlorformyl)iminoschwefeldichlorid
  
41. H.W. Roesky  
Angew. Chem. **1968**, 80, 236  
*N*-Chlor-*N*-(trifluormethyl)-sulfonylfluoridamid

## Publikationen H. W. Roesky 1963 bis 2020

42. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1968**, *4*, 147-150  
Über die Darstellung von Fluorsulfonylnickstoff-  
Verbindungen
43. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1968**, *4*, 463-465  
Darstellung von  $P_3N_3F_5NH_2$  und  $P_3N_3F_5N=PCl_3$
44. O. Glemser, H.W. Roesky, P.R. Heinze  
Inorg. Nucl. Chem. Letters **1968**, *4*, 179-182  
Zur Solvolyse des Trichlorphosphazophosphoryldifluorid
45. H.W. Roesky  
Chem. Ber. **1968**, *101*, 2977-2986  
Über die Darstellung von Fluorderivaten der  
Dithiophosphorsäure
46. H.W. Roesky  
Chem. Ber. **1968**, *101*, 3679-3687  
Über die Darstellung von und Reaktionen von  
Thiophosphoryldihalogenid-amiden und Alkandithio-  
phosphorsäure-fluoriden
47. H.W. Roesky  
Angew. Chem. **1968**, *80*, 626-627  
*N*-Fluor-sulfonylfluoridamid, *N*-  
Dichlormethylencarbonylfluorid-amid
48. H.W. Roesky, H.H. Giere  
Inorg. Nucl. Chem. Letters **1968**, *4*, 639-643  
Über Reaktionen des  $C_3N_3F_2NH_2$
49. H.W. Roesky  
Angew. Chem. **1969**, *81*, 119-120  
Die Einwirkung von Phosphorpentachlorid auf *N*-  
Halogensulfonylethane
50. H.W. Roesky  
Angew. Chem. **1968**, *80*, 844-845  
Flüchtige Übergangsmetall-alkanfluorodithiophosphonate
51. H.W. Roesky  
Z. Anorg. Allg. Chem. **1969**, *367*, 151-153  
Tribromphosphazosulfonylfluorid,  $FSO_2-N=PBr_3$
52. F.N. Tebbe, H.W. Roesky, W.C. Rode, E.L. Muetterties  
J. Amer. Chem. Soc. **1968**, *90*, 3578

## Publikationen H. W. Roesky 1963 bis 2020

New sulfur chelate chemistry

53. H. W. Roesky  
U.S. Patent Nr. 3 387 950 **1968**  
Preparation of phosphorus thiofluoride from phosphorus pentasulfide and hydrogen fluoride
54. H.W. Roesky  
Z. Naturforsch. **1969**, 24b, 5  
Methylthiophosphonsäureamidfluorid und Äthylthiophosphonsäureamidfluorid
55. J.F. Leroy, G. Kaufmann, A. Müller, H.W. Roesky  
C.r. Acad. Sc. Paris **1968**, 267, 563  
Spectres de vibrations et analyse en coordonnées normales du tétrathiophosphate de sodium
56. H.W. Roesky, L.F. Grimm  
Inorg. Nucl. Chem. Letters **1969**, 5, 13-16  
Über die Darstellung von  $S=PF_2NPF_3$ ,  $SPFCINPF_3$  und  $SPFBrNH_2$
57. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1969**, 5, 13-16  
N-Alkyl-N(fluorcarbonyl)-sulfonylfluoridamide
58. H.W. Roesky  
U.S. Patent Nr. 3 397 967 **1968**  
Dithiobis(phosphonothioic difluoride) $P_2S_4F_4$  and its method of preparation
59. O. Glemser, R. Mews, H.W. Roesky  
Chem. Ber. **1969**, 102, 1523-1528  
Darstellung und Eigenschaften von Quecksilber-bis-schwefel-difluoridimid, N-Chlor-schwefeldifluoridimid und N-Brom-schwefeldifluoridimid
60. H.W. Roesky, L.F. Grimm  
Chem. Ber. **1969**, 102, 2319-2329  
Darstellung und Charakterisierung von Thiophosphorylverbindungen mit P=N-Doppelbindung
61. H.W. Roesky, H.H. Giere  
Chem. Ber. **1969**, 102, 2330-2335  
Substitutionsreaktionen am Cyanurfluorid
62. H.W. Roesky, H. Beyer

## Publikationen H. W. Roesky 1963 bis 2020

Chem. Ber. **1969**, *102*, 2588-2594  
Substitutionsreaktionen an Thiophosphorylhalogenid-  
Verbindungen

63. H.W. Roesky, D.P. Babb  
Inorg. Chem. **1969**, *8*, 1733  
Preparation and reactions of fluorosulfonyliminosulfur-  
oxydifluoride
64. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1969**, *5*, 453-454  
Bis(alkylthiophosphorylfluorid)Sulfide
65. E. Niecke, O. Glemser, H.W. Roesky  
Z. Naturforsch. **1969**, *24b*, 1187-1188  
Äthylmercaptofluortriphosphazene
66. O. Glemser, E. Niecke, H.W. Roesky  
Chem. Comm. **1969**, 282  
Alkylaminopentafluorophosphazines
67. H.W. Roesky  
Z. Naturforsch. **1969**, *24b*, 818-821  
Fluorophosphoryl-Verbindungen
68. H.W. Roesky  
U.S. Patent 3 432 277 **1969**  
Derivatives of phosphinodithionic acid and method for  
their preparation
69. H.W. Roesky, E. Niecke  
Z. Naturforsch. **1969**, *24b*, 1101-1103  
Phosphorylchloridfluorid-amid, Phosphoryldichlorid-amid  
und *N*-Trichlorphosphoranyliden-phosphoryl-  
chloridfluoridamid
70. H.W. Roesky, W. Grosse-Böwing  
Inorg. Nucl. Chem. Letters **1969**, *5*, 597-599  
Darstellung und Charakterisierung von  $\text{ClSO}_2\text{N}=\text{PF}_3$  und  
 $\text{ClSO}_2\text{N}=\text{PF}_2\text{Cl}$
71. H.W. Roesky, D.P. Babb  
Angew. Chem. **1969**, *81*, 494  
Bis-(*N*-fluorsulfonylimido)schwefel und Bis-(*N*-  
fluorsulfonylimido)schwefel-difluorid
72. H.W. Roesky  
Angew. Chem. **1969**, *81*, 493

## Publikationen H. W. Roesky 1963 bis 2020

3,5-Bis(trifluormethyl)-1,2,4,6-thiatriaza-2,5-cyclohexadien-1,1-dion

73. H.W. Roesky  
U.S. Patent 3 437 455 **1969**  
Azido derivatives of phosphorus thioacids and method for their preparation
74. H.W. Roesky, H.H. Giere  
Chem. Ber. **1969**, 102, 3707-3712  
Synthese neuer Fluorsulfonylverbindungen
75. H.W. Roesky, W. Grosse-Böwing  
Z. Naturforsch. **1969**, 24b, 1250-1253  
Substitutionsreaktionen an Phosphor- und Schwefel-Amiden
76. H.W. Roesky, S. Tutkunkardes  
Z. Anorg. Allg. Chem. **1970**, 374, 147-158  
Fluorsulfonylstickstoffverbindungen
77. H.W. Roesky  
U.S. Patent 3 449 473 **1969**  
Hydrocarbyl and hydrocarbylene mono- and bis(phosphorodifluorido)dithioate esters
78. O. Glemser, R. Mews, H.W. Roesky  
Chem. Comm. Unicat. **1969**, 914  
N-Fluorsulphur Difluoride Imide F·N:SF<sub>2</sub>
79. H.W. Roesky, D.P. Babb  
Angew. Chem. **1969**, 81, 705-706  
Bis(dimethylamido)-bis(N-fluorsulfonylimido)schwefel, eine kovalente Verbindung mit SN<sub>4</sub>-Gruppierung
80. H.W. Roesky, M. Dietl  
Z. Naturforsch. **1969**, 24b, 1254-1256  
Bis(thiophosphoryldifluorid)sulfide
81. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1969**, 5, 891-895  
Dialkylaminochlorfluorosphine und Bis-diäthylaminofluorosphin
82. H.W. Roesky  
Inorg. Nucl. Chem. **1970**, 32, 1845-1846  
Thiophosphoryl-difluoride-isocyanate



## Publikationen H. W. Roesky 1963 bis 2020

83. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1970**, *6*, 129-130  
Dialkylamido-N-dichlorphosphorylimido-  
schwefeloxidchloride
84. H.W. Roesky  
Chem. Ber. **1970**, *103*, 694-699  
Reaktionen an Thiophosphoryl- und Phosphoryl-  
dihalogenidamiden
85. H.W. Roesky, F.N. Tebbe, E.L. Muetterties  
Inorg. Chem. **1970**, *9*, 831  
Thiophosphate Chemistry. The Anion Set  $X_2PS_2^-$ ,  
 $(XPS_2)_2S^{2-}$ , and  $(XPS_2)_2S_2^{2-}$
86. H.W. Roesky, H.H. Giere, D.P. Babb  
Inorg. Chem. **1970**, *9*, 1076  
Preparation of Substituted Fluorosulfonyl Isocyanides
87. H.W. Roesky, W. Kloker  
Z. Anorg. Allg. Chem. **1970**, *375*, 140-151  
Fluorophosphorylamide
88. H.W. Roesky  
In A. Senning, Sulfur Chemistry, inorganic and organic:  
**1971**  
The sulfur-nitrogen bond
89. H.W. Roesky, G. Holtschneider, H.H. Giere  
Z. Naturforsch. **1970**, *25b*, 252-254  
Trifluormethylsulfonylstickstoff-Verbindungen
90. H.W. Roesky, H.H. Giere  
Angew. Chem. **1970**, *82*, 255  
*N,N'*-Sulfonylbis(schwefeldifluorimid)
91. M. Lustig, H.W. Roesky  
Inorg. Chem. **1970**, *9*, 1289-1291  
*cis*-Trifluorodiamidophosphorus (V)
92. H.W. Roesky, L.F. Grimm  
Chem. Ber. **1970**, *103*, 1664-1673  
Reaktionen an *N*-Halogenphosphoranylidenthio-  
phosphoryldihalogenidamiden
93. H.W. Roesky, L.F. Grimm  
Angew. Chem. **1970**, *82*, 255-256  
Verfahren zur Herstellung von Verbindungen des Typs R-  
 $(N=PX_2)_x-N=PCl_3$

## Publikationen H. W. Roesky 1963 bis 2020

94. H.W. Roesky, W. Grosse-Böwing  
Chem. Ber. **1970**, *103*, 2281-2287  
Spaltungsreaktionen an der Silicium-Stickstoff-Bindung  
mit N-Trihalogen-phosphoranyliden Verbindungen
95. H.W. Roesky  
Proceedings of the Intern. Symp. on Isothiocyanates  
**1969**, 259-263  
Phosphorfluorid-Isothiocyanate
96. H.W. Roesky, M. Dietl  
Z. Anorg. Allg. Chem. **1970**, *376*, 230-235  
Fluor-Phosphor-Metall-Verbindungen
97. H.W. Roesky, M. Dietl  
Z. Naturforsch. **1970**, *25b*, 316-317  
Kohlenstoff Phosphor Sulfane
98. H.W. Roesky, H. H. Giere  
Z. Anorg. Allg. Chem. **1970**, *378*, 177-184  
Reaktionen an Isocyanidverbindungen
99. H.W. Roesky, H.H. Giere  
Z. Naturforsch. **1970**, *25b*, 773-776  
Spaltungsreaktionen an perfluorierten Anhydriden
100. H.W. Roesky  
Z. Naturforsch. **1970**, *25b*, 777-779  
Die Umsetzung von Amidin mit Phenyl-  
tetrafluorphosphoran
101. H.W. Roesky, L.F. Grimm  
Chem. Ber. **1970**, *103*, 3114-3121  
Über die Darstellung von Verbindungen mit einem P-N-P-  
Gerüst
102. H.W. Roesky, G. Holtschneider  
Z. Anorg. Allg. Chem. **1970**, *378*, 168-176  
Reaktionen von Trifluormethylsulfonyl- und  
Fluorsulfonyl-Verbindungen
103. H.W. Roesky, W. Grosse-Böwing  
Inorg. Nucl. Chem. Letters, **1970**, *6*, 781-783  
Darstellung von  $P_4N_4F_7NH_2$ ,  $P_4N_4F_7N=PCl_3$  und  
 $P_4N_4F_7-N=S=O$
104. H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

- Inorg. Nucl. Chem. Letters **1970**, *6*, 807-810  
Perfluorbutylsulfonyl-Verbindungen
105. H.W. Roesky  
Inorg. Nucl. Chem. Letters **1970**, *6*, 795  
Chlorierungs- und Fluorierungsreaktionen an Sulfonyl-  
Verbindungen
106. H.W. Roesky, H.H. Giere  
Inorg. Nucl. Chem. Letters **1971**, *7*, 171-175  
Darstellung von N-Trifluormethansulfonyl-  
sulfonylfluoridamid und einige Reaktionen
107. H.W. Roesky, W. Grosse-Böwing, E. Niecke  
Chem. Ber. **1971**, *104*, 653-660  
Über die Darstellung von Fluorcyclotriphosphazenen mit  
Phosphazenseitenketten
108. H.W. Roesky, G. Remmers  
Z. Naturforsch. **1971**, *26b*, 75-78  
N-Tribromphosphazo-Verbindungen
109. H.W. Roesky  
U.S. Patent Nr. 3 533 736 **1970**  
1,2,3,5,6,7,4,8-Hexathiadiphosphocane-4,8-dithio-4,8-  
dithiolic acid and its salts
110. H.W. Roesky, S. Tutkunkardes  
Chem. Ber. **1971**, *104*, 1655-1659  
Zur Darstellung fluorierter Verbindungen mit S=N-  
Doppelbindung
111. H.W. Roesky  
Angew. Chem. **1971**, *83*, 252  
N-Fluorsulfonyldichloramin
112. H.W. Roesky  
Angew. Chem. **1971**, *83*, 253  
3-Chlor-1,3,5,2,4,6-thia-dithia(IV)triazin-1,1,3-trioxid
113. H.W. Roesky, L.F. Grimm  
Chem. Comm. **1971**, *221*, 998  
Formation of an S-Methyl Derivative from the Reaction of  
Methanol with Compounds of the Type S:PX<sub>2</sub>:N:PF<sub>2</sub>Cl
114. H.W. Roesky, W. Grosse-Böwing  
Angew. Chem. **1971**, *83*, 365  
Eine neue Umlagerung an der (P=N)-Doppelbindung

## Publikationen H. W. Roesky 1963 bis 2020

115. H.W. Roesky, L.F. Grimm, E. Niecke  
Z. Anorg. Allg. Chem. **1971**, 385, 102-112  
Zur Darstellung und Charakterisierung von linearen  
Diphosphazenen
116. H.W. Roesky  
U.S. Patent Nr. 3 558 269 **1971**  
Phosphoro- and phosphonofluoridothioic acids and their  
salts
117. H.W. Roesky, H. Wiezer  
Chem. Ber. **1971**, 104, 2258-2265  
Zinnorganische Verbindungen mit teilfluorierten  
Substituenten
118. H.W. Roesky, E. Janßen  
Z. Naturforsch. **1971**, 26b, 679-683  
Isocyanate und verwandte Verbindungen des trimeren  
Phosphornitriddifluorids
119. H.W. Roesky  
Inorg. Syntheses **1974**, 15, 194  
Phosphoric Trihalides
120. H.W. Roesky, W. Grosse-Böwing  
Chem. Ber. **1971**, 104, 3204-3210  
Umlagerungsreaktionen an der P=N-Doppelbindung
121. H.W. Roesky, M. Dietl  
Z. Naturforsch. **1971**, 26b, 977-978  
Über die Darstellung von Derivaten des  $S_4N_3Cl$
122. H.W. Roesky, O. Petersen  
Z. Naturforsch. **1971**, 26b, 1232-1235  
Phosphor-Schwefelhydrazin-Verbindungen
123. H.W. Roesky  
Angew. Chem. **1971**, 83, 890  
Perfluoralkansulfinsäuren
124. H.W. Roesky, W. Grosse-Böwing  
Z. Anorg. Allg. Chem. **1971**, 386, 191-196  
Substituenteneinflüsse auf die Umlagerung an der (P=N)-  
Doppelbindung
125. H.W. Roesky  
Chem. Ber. **1972**, 105, 1439-1445  
Lineare und cyclische Chlorphosphazene

## Publikationen H. W. Roesky 1963 bis 2020

126. H.W. Roesky, B.H. Kuhtz, L.F. Grimm  
Z. Anorg. Allg. Chem. **1972**, 389, 167-176  
Solvolysereaktionen an Halogenphosphazenen
127. H.W. Roesky  
Chem. Ber. **1972**, 105, 1726-1729  
Neuartige Bor-Phosphor-Verbindungen
128. H.W. Roesky, W. Schaper, S. Tutkunkardes  
Z. Naturforsch. **1972**, 27b, 620-625  
Reaktionen von Schwefel- und Phosphoramiden mit  
Trichlor-methansulfenylchlorid
129. H.W. Roesky, W. Schaper  
Z. Naturforsch. **1972**, 27b, 1137-1140  
Substitutionsreaktionen mit Phosphoramiden
130. H.W. Roesky, W. Kloker  
Z. Naturforsch. **1972**, 27b, 486-491  
Darstellung neuer Phosphazene und ihre Reaktionen
131. H.W. Roesky, R. Pantzer, J. Goubeau  
Z. Anorg. Allg. Chem. **1972**, 392, 42-50  
Schwingungsspektren und Kraftkonstanten der  
Übergangsreihe  $O_2PF_2^-$ - $S_2PF_2^-$ - $S_2P(CH_3)_2^-$
132. H.W. Roesky, L.F. Grimm  
Angew. Chem. **1972**, 84, 684-685  
4-(Difluoroxophosphoranyl)1 $\lambda^4$ ,3,5,2,4,6-trithiatriazin
133. H.W. Roesky  
Angew. Chem. **1972**, 84, 685  
1,3,3,5,5-Pentachlor-1 $\lambda^4$ ,2,4,6,3 $\lambda^5$ ,5 $\lambda^5$ -  
thiatriazadiphosphorin
134. H.W. Roesky  
Chemiker Zeitung **1972**, 96, 487-493  
Lineare Halogenphosphazene
135. H.W. Roesky, H. Wiezer  
Chem. Ber. **1973**, 106, 280-287  
Zur Darstellung und Reaktion von Zinn-Stickstoff-  
Verbindungen
136. H.W. Roesky, O. Petersen  
Angew. Chem. **1972**, 84, 946-947  
Darstellung des ersten Oxids von Tetraschwefeltetranitrid

## Publikationen H. W. Roesky 1963 bis 2020

137. H.W. Roesky  
Chemiker Zeitung **1972**, *96*, 659-665  
Chemie der substituierten Phosphate
138. H.W. Roesky  
Z. Naturforsch. **1972**, *27b*, 1569-1570  
Über Alkoholysen der Halogendiphosphazene
139. H.W. Roesky, O. Petersen  
Angew. Chem. **1973**, *85*, 413-414  
Ein bicyclisches Phosphor-trischwefelpentanitrid
140. H.W. Roesky, H. Wiezer  
Chem. Ber. **1974**, *107*, 1153-1155  
Ein neues anorganisches Ringsystem: Cyclotristannazan
141. H.W. Roesky, W. Kloker  
Z. Naturforsch. **1973**, *28b*, 697-706  
Darstellung, Eigenschaften, KMR-, IR- und Raman-Spektren von Verbindungen des Typs R-P(Se)F<sub>2</sub>, R-P(Se)FCl und R-P(Se)Cl<sub>2</sub>
142. H.W. Roesky, M. Dietl  
Angew. Chem. **1973**, *85*, 453-454  
Tetrachwefeltetranitrid - ein neues Einschiebungsreagenz
143. H.W. Roesky, M. Dietl  
Angew. Chem. **1973**, *85*, 454  
Eine neuartige kovalente Azid-Reaktion in der Phosphorchemie
144. H.W. Roesky, M. Dietl, A.H. Norbury  
Z. Naturforsch. **1973**, *28b*, 707-710  
Reaktionen fluorierter Alkyldithiophosphonsäuren mit metallorganischen Verbindungen
145. H.W. Roesky, M. Dietl  
Chem. Ber. **1973**, *106*, 3101-3105  
Substitutionsreaktionen am S<sub>3</sub>N<sub>2</sub>Cl<sub>2</sub>
146. H.W. Roesky, B. Kutzt  
Chem. Ber. **1974**, *107*, 1-4  
Zur Synthese von Schwefel-Stickstoff-Verbindungen aus N,N'-Bis(trimethylsilyl)schwefeldiimid
147. H.W. Roesky, S. Tutkunkardes  
Chem. Ber. **1974**, *107*, 508-517

## Publikationen H. W. Roesky 1963 bis 2020

Perfluoralkansulfinsäure-ester, -amide und -isocyanate

148. H.W. Roesky, H. Wiezer  
Angew. Chem. **1973**, *85*, 722-723  
(CH<sub>3</sub>)<sub>2</sub>SnS<sub>2</sub>N<sub>2</sub> - ein fünfgliedriger Zinn-Schwefel-Stickstoff-Ring
149. H.W. Roesky  
Chemiker Zeitung **1974**, *98*, 121-126  
Cyclische Schwefel-Stickstoff-Verbindungen
150. H.W. Roesky, E. Janßen  
Z. Naturforsch. **1974**, *29b*, 174-176  
Isocyanate und Isothiocyanate von cyclischen Phosphor-Stickstoff-Verbindungen
151. H.W. Roesky, E. Janßen  
Z. Naturforsch. **1974**, *29b*, 177-180  
Ein Beitrag zur Reaktivität des Monohydrazids von P<sub>3</sub>N<sub>3</sub>F<sub>6</sub>
152. H.W. Roesky, W. Grosse-Böwing  
Z. Anorg. Allg. Chem. **1974**, *406*, 260-262  
Darstellung eines schwefelhaltigen Phosphazens
153. H. W. Roesky, H. Wiezer  
Chem. Ztg. **1973**, *97*, 661-662  
[(CH<sub>3</sub>)<sub>2</sub>Si]<sub>2</sub>S<sub>2</sub>N<sub>4</sub> - ein achtegliedriger siliciumhaltiger Schwefel-Stickstoff-Ring
154. H.W. Roesky, H. Wiezer  
Angew. Chem. **1974**, *86*, 130-131  
Bis(*N,N'*-methylsilantriyl)tris(schwefeldiimid) - ein bicyclisches S<sub>4</sub>N<sub>4</sub>-Derivat
155. H.W. Roesky, H. Wiezer  
J. Inorg. Nucl. Chem. **1976**, 45-47  
Metallorganische Derivate des Cyanurfluorids
156. H.W. Roesky, H. Wiezer  
Chem. Ber. **1974**, *107*, 3186-3190  
Substitutionsreaktionen an zinn- und siliciumhaltigen Verbindungen
157. H.W. Roesky, E. Janßen  
Chemiker Zeitung **1974**, *98*, 260  
Ein Phosphazen-Schwefelstickstoff-Ringsystem
158. H.W. Roesky, W. Schaper

## Publikationen H. W. Roesky 1963 bis 2020

- Chem. Ber. **1974**, *107*, 3451-3453  
Notiz über die Darstellung von *N*-Sulfinylverbindungen  
aus  $S(NSO)_2$
159. H.W. Roesky  
Pure and Applied Chem. **1975**, *44*, 307-315  
Neuere Untersuchungen an Halogeniden und  
Chalkogeniden des Phosphors
160. H.W. Roesky, W. Grosse-Böwing, I. Rayment, H.M.M.  
Shearer  
J. Chem. Soc., Chem. Comm. **1975**, 735-736  
Preparation and X-Ray-Structure of Sulphur-Nitrogen-  
Oxides
161. H.W. Roesky, W. Schaper, W. Grosse-Böwing, M. Dietl  
Z. Anorg. Allg. Chem. **1975**, *416*, 306-310  
Substitutionsreaktionen mit Schwefeldiimiden
162. H.W. Roesky, H. Wiezer  
Angew. Chem. **1975**, *87*, 254  
 $N_2S_3O$  - das erste Oxid eines fünfgliedrigen Schwefel-  
Stickstoff-Rings
163. H.W. Roesky, B. Kutzt  
Chem. Ber. **1975**, *108*, 2536-2540  
Zur Synthese von cyclophosphazeny-substituierten  
siliciumhaltigen Heterocyclen
164. H.W. Roesky, E. Janßen  
Chem. Ber. **1975**, *108*, 2531-2535  
Ein Beitrag zur Chemie des  $S_3N_2$ -Ringgerüsts
165. H.W. Roesky  
Z. Naturforsch. **1976**, *31b*, 680-683  
Preparation and Reactions of Sulfur-Nitrogen Ring  
Systems
166. H.W. Roesky, E. Wehner  
Angew. Chem. **1975**, *87*, 521-522  
5-Oxo-1,3 $\lambda^4$ ,2,4-dithiadiazol - ein fünfgliedriges  
heterocyclisches Keton
167. H.W. Roesky, G. Holtschneider  
J. Fluorine Chem. **1976**, *7*, 77-84  
The chemistry of trifluorosulfinic acid and its derivatives
168. H.W. Roesky, G. Holtschneider, H. Wiezer, B. Krebs  
Chem. Ber. **1976**, *109*, 1358-1361  
 $S_3N_2$ -Ringe mit fluorhaltigen Substituenten



## Publikationen H. W. Roesky 1963 bis 2020

169. H.W. Roesky, H. Zamankhan  
Chem. Ber. **1976**, *109*, 2107-2111  
Über eine Ringschlußreaktion mit Chlorsulfonylisocyanat
170. H.W. Roesky, G. Remmers  
Z. Anorg. Allg. Chem. **1977**, *431*, 221-226  
Über Reaktionen des P<sub>4</sub>S<sub>10</sub> mit siliciumorganischen Verbindungen
171. H.W. Roesky, G. Sidiropoulos  
Z. Naturforsch. **1977**, *32b*, 628-630  
Zur Reaktivität von Isocyanaten mit Tris(dimethylamino)arsin
172. H.W. Roesky, E. Janßen  
Angew. Chem. **1976**, *88*, 24-25  
Ein schwefeldiimido-überbrücktes Cyclophosphazen
173. H.W. Roesky, A. Hamza  
Angew. Chem. **1976**, *88*, 226-227  
Synthese des S<sub>3</sub>N<sub>2</sub><sup>+</sup>-Radikalkations
174. H.W. Roesky, B. Kultz  
Chem. Ber. **1976**, *109*, 3958-3963  
Notiz zur Darstellung von Siloxazanringen durch Spaltungsreaktionen an Zinn-Stickstoff-Verbindungen
175. H.W. Roesky, H. Zamankhan  
Z. Naturforsch. **1976**, *31b*, 1048-1049  
Silbersalzreaktionen eines Thiatriazinrings
176. H.W. Roesky, W. Schaper, O. Petersen, T. Müller  
Chem. Ber. **1977**, *110*, 2695-2698  
Einfache Synthesen von Schwefel-Stickstoff-Verbindungen
177. H.W. Roesky, H. Zamankhan  
Z. Naturforsch. **1977**, *32b*, 229-233  
Zur Synthese von phosphorhaltigen Heterocyclen mit metallorganischen Verbindungen
178. H.W. Roesky, G. Sidiropoulos  
Angew. Chem. **1976**, *88*, 759-760  
Phosphorbetaine
179. A. Gieren, B. Dederer, H.W. Roesky, E. Janßen

## Publikationen H. W. Roesky 1963 bis 2020

- Angew. Chem. **1976**, *88*, 853-854  
Die Struktur eines schwefeldiimido-überbrückten  
Cyclotetraphosphazens
180. H.W. Roesky, G. Sidiropoulos  
Chem. Ber. **1977**, *110*, 3703-3706  
Über Reaktionen von Isocyanaten mit  
dreifachkoordinierten Phosphorverbindungen
181. H.W. Roesky  
25 Jahre Fonds der Chemischen Industrie  
Über einige Ergebnisse aus dem Gebiet der Nichtmetalle
182. H.W. Roesky, H. Zamankhan  
Z. Naturforsch. **1977**, *32b*, 1390-1392  
Über das Verhalten von silicium- und zinnorganischen  
Verbindungen bei der Synthese von Heterocyclen
183. H.W. Roesky, M. Diehl, M Banek  
Chem. Ber. **1978**, *111*, 1503-1508  
Fluorhaltige zinnorganische Verbindungen als  
Synthesebausteine für anorganische Ringsysteme
184. H.W. Roesky, K. Ambrosius  
Isr. J. Chem. **1978**, *17*, 132-136  
Organotin Derivatives of Hexafluorobenzene
185. H.W. Roesky, K. Ambrosius  
Z. Naturforsch. **1978**, *33b*, 759-762  
Über Reaktionen von 3-trifluormethyl-phenylsubstituierten  
silicium- und zinnorganischen Verbindungen
186. H.W. Roesky, E. Wehner, E.J. Zehnder, H.-J. Deiseroth,  
A. Simon  
Chem. Ber. **1978**, *111*, 1670-1676  
Kristallstruktur von 5-Oxo-1,3λ<sup>4</sup>,2,4-dithiadiazol,  
S<sub>2</sub>N<sub>2</sub>CO, und seine Addukte mit Lewis-Säuren
187. A. Gieren, B. Dederer, H.W. Roesky, N. Amin, O.  
Petersen  
Z. Anorg. Allg. Chem. **1978**, *440*, 119-129  
Synthese und Röntgenstrukturanalyse des  
Additionsproduktes von Schwefeltrioxid an  
Tetraschwefeltetranitrid (S<sub>4</sub>N<sub>4</sub>·SO<sub>3</sub>)
188. H.W. Roesky, M. Banek  
Synth. React. Inorg. Met.-Org. Chem. **1978**, *8(2)*, 111-118  
Über die Darstellung von Heterocyclen mit  
Fluorphosphazengruppen

## Publikationen H. W. Roesky 1963 bis 2020

189. H.W. Roesky, M. Diehl, H. Fuess, J.W. Bats  
Angew. Chem. **1978**, *90*, 73-74  
Ein Alkylschwefelimidamid(Methansulfinamidin) -  
Zusammenhang zwischen Koordinationszahl und  
Bindungslänge
190. J.W. Bats, H. Fuess, M. Diehl, H.W. Roesky  
Inorg. Chem. **1978**, *17*, 3031-3033  
Molecular and Crystal Structure of *N,N'*-  
Bis(trifluoromethanesulfonyl)-*N*-  
(trimethylstannyl)methanesulfinamidine
191. H.W. Roesky, M. Aramaki  
Angew. Chem. **1978**, *90*, 127-128  
*N*-Fluorsulfonyl-sulfinimid(-schwefelimiddioxid)
192. H.W. Roesky, G. Sidiropoulos  
Chem. Ber. **1978**, *111*, 3460-3463  
Über Reaktionen von Isocyanaten mit *N,N'*-Di-*tert*-  
butylschwefeldiimid
193. H.W. Roesky, S. K. Mehrotra  
Angew. Chem. **1978**, *90*, 626-627  
2,4-Bis(dimethylcarbamoyl)-1,1-dioxo-3-phenyl-  
1 $\lambda^6$ ,2,4,3-thiadiazaboretidin: Ein BN<sub>2</sub>S-Ring durch  
"Einschiebungsreaktion" von Sulfonyldiisocyanat
194. H.W. Roesky, T. Müller  
Chem. Ber. **1978**, *111*, 2960-2964  
Darstellung und Reaktionen des 1,2,3,5-  
Dithiadiazoliumchlorids
195. H.W. Roesky, M. Banek  
Chem. Ztg. **1978**, *102*, 155-156  
2,4,4,6,6-Pentafluor-1,3,5,2 $\lambda^5$ ,4 $\lambda^5$ ,6 $\lambda^5$ -  
triazatriphosphorin-2ylazid - ein kinetisch stabiles Azid
196. H.W. Roesky, M. Aramaki, L. Schönfelder  
Angew. Chem. **1978**, *90*, 382  
Methylenchlorid als Reagens für Cyclisierungen mit SO<sub>3</sub>  
als HCl-Fänger
197. H.W. Roesky, G. Sidiropoulos  
Z. Naturforsch. **1978**, *33b*, 756-758  
Arsenhaltige Heterocyclen
198. H.W. Roesky, M. Aramaki, L. Schönfelder  
Z. Naturforsch. **1978**, *33b*, 1072-1076

## Publikationen H. W. Roesky 1963 bis 2020

### N-Sulfonylsulfimide

199. B. Krebs, M. Hein, M. Diehl, H.W. Roesky  
Angew. Chem. **1978**, *90*, 825-826  
Ein Cyclotetra(azadithian) - der erste zwölfgliedrige  
Schwefel-Stickstoff-Ring
200. H.W. Roesky, K. Ambrosius  
Z. Anorg. Allg. Chem. **1978**, *445*, 211-214  
Darstellung und Reaktionen von  
Bis(trimethylstannyl)sulfonylamiden
201. S. Pohl, O. Petersen, H.W. Roesky  
Chem. Ber. **1979**, *112*, 1545-1549  
Thiatriazadiphosphorin
202. H.W. Roesky  
Advances in Inorganic Chemistry and Radiochemistry  
**1979**, *22*, 239-301  
Cyclic sulfur-nitrogen compounds
203. H.W. Roesky, M. Witt, M. Diehl, J.W. Bats, H. Fuess  
Chem. Ber. **1979**, *112*, 1372-1379  
Sechs- und achthgliedrige Schwefel-Stickstoff-  
Heterocyclen - Verbindungen des Schwefels mit den  
formalen Oxidationsstufen 2, 4 und 6
204. A. Gieren, Chr. Hahn, B. Dederer, H.W. Roesky, N. Amin  
Z. Anorg. Allg. Chem. **1978**, *447*, 179-194  
Röntgenographische Kristallstrukturbestimmung des  
Additionsproduktes von Fluorsulfonylisocyanat an  
Tetrschwefeltetranitrid ( $S_4N_4 \cdot FSO_2NCO$ )
205. H.W. Roesky  
Chemie für Labor und Betrieb **1979**, *30*, 291-296  
Chemie anorganischer Schwefelverbindungen
206. H.W. Roesky, W. Schmieder, K. Ambrosius  
Z. Naturforsch. **1979**, *34b*, 197-199  
Über Additionsreaktionen von zinnorganischen  
Verbindungen mit N,N'-Bis(pentafluorphenyl)-  
schwefeldiimid
207. E. Rodeck, N. Amin, H.W. Roesky  
Z. Anorg. Allg. Chem. **1979**, *457*, 123-126  
Reaktionen und Röntgenkristallstrukturanalyse von  
 $S_3N_2O_5$
208. H.W. Roesky, M. Banek

## Publikationen H. W. Roesky 1963 bis 2020

- Z. Naturforsch. **1979**, *34b*, 752-754  
Azide und Nitrile cyclischer  $\lambda^5$ -Phosphazene
209. H.W. Roesky, K. Ambrosius, W.S. Sheldrick  
Chem. Ber. **1979**, *112*, 1365-1371  
Darstellung und Struktur eines neuartigen  
spirobicyclischen Phosphorans mit einer  $\lambda^3\text{P}$ - $\lambda^5\text{P}$ -Bindung
210. H.W. Roesky, M. Diehl, B. Krebs, M. Hein  
Z. Naturforsch. **1979**, *34b*, 814-821  
Reaktionen mit N,N'-Bis(trimethylstannyl)tri-  
fluormethansulfonamid und die Röntgenstrukturanalyse  
eines zwölfgliedrigen Schwefel-Stickstoff-Ringes
211. H.W. Roesky, N. Amin, G. Remmers, A. Gieren, U.  
Riemann, B. Dederer  
Angew. Chem. **1979**, *91*, 243  
Formale "criss-cross"-Cycloaddition von Schwefel-trioxid  
an Dicyan
212. H.W. Roesky, M. Witt, J.W. Bats, H. Fuess, F.J. Baltá  
Calleja, F. Ania  
Z. Anorg. Allg. Chem. **1979**, *458*, 225-233  
Synthese und Röntgenstrukturanalyse des  $8\pi$ -  
Elektronenringensystems  $\text{S}_4\text{N}_4\text{O}_2\text{Sn}_2(\text{CH}_3)_6$  und das  
magnetische Verhalten von  $\text{S}_4\text{N}_4\text{O}_2$  und  $\text{S}_8\text{N}_8\text{O}_4$
213. H.W. Roesky  
Angew. Chem. **1979**, *91*, 112-118  
Strukturen und Bindungsverhältnisse in cyclischen  
Schwefel-Stickstoff-Verbindungen
214. H.W. Roesky, M. Witt, B. Krebs, H.J. Korte  
Angew. Chem. **1979**, *91*, 444 und 447  
Ein SN-Ring mit Schwefelatomen der  
Koordinationszahlen 2, 3 und 4 durch nucleophile  
Substitution
215. H.W. Roesky, T. Müller, E. Rodeck  
J. Chem. Soc. Chem. Comm. **1979**, 439-440  
Synthesis and X-Ray Crystal Structure of  
[ $\text{S}_3\text{N}_5\text{Me}_2\text{CO}$ ]AsF<sub>6</sub>, the First Carbon-containing Bicyclic  
Sulphur-Nitrogen Compound- A Bridged  $\text{S}_3$ -Ring
216. M.V. Andreocci, M. Bossa, V. Di Castro, C. Furlani, G.  
Mattogno, H.W. Roesky  
Z. Phys. Chem. **1979**, *118*, 137-150  
Electronic Structure of Inorganic Sulfur-Nitrogen Systems:  
A Photoemission XPS and UPS Study

## Publikationen H. W. Roesky 1963 bis 2020

217. M.V. Andreocci, M. Bossa, V. Di Castro, C. Furlani, G. Mattogno, H.W. Roesky  
Gazz. Chim. Ital. **1980**, *110*, 1-5  
Electronic Structure of S<sub>3</sub>N<sub>2</sub> Ring Derivatives:  
A Photoelectron Spectroscopy Study
218. H.W. Roesky, S.K. Mehrotra, S. Pohl  
Chem. Ber. **1980**, *113*, 2063-2068  
Darstellung von Schwefel-Stickstoff-Bor-Verbindungen;  
Kristall- und Molekülstruktur eines S-N-B-Achtrings
219. W.S. Sheldrick, M.N.S. Rao, H.W. Roesky  
Inorg. Chem. **1980**, *19*, 538-543  
Bicyclic Sulfur-Nitrogen Compounds: Molecular  
Structures of *S,S*-Dimethylpentasulfur Hexanitride and 1-  
[*S,S*-Dimethyl-*N*-(trimethylsilyl)sulfodiimide]bi-  
cyclo[3.3.1]pentaazatetra-thiane
220. B. Krebs, G. Henkel, S. Pohl, H.W. Roesky  
Chem. Ber. **1980**, *113*, 226-232  
Kristall- und Molekülstrukturen des S<sub>3</sub>N<sub>2</sub><sup>+</sup>-Radikalkations  
in S<sub>3</sub>N<sub>2</sub>+SO<sub>3</sub>CF<sub>3</sub><sup>-</sup> ·  
½CH<sub>3</sub>CN und von S<sub>3</sub>N<sub>2</sub>(NSO<sub>2</sub>F)
221. H.W. Roesky, H. Zamankhan, J.W. Bats, H. Fuess  
Angew. Chem. **1980**, *92*, 122  
Synthese und Kristallstrukturanalyse von  
Decathiacyclotetradecan-6,7,13,14-tetraon, S<sub>10</sub>(CO)<sub>4</sub>
222. H.W. Roesky, S.K. Mehrotra, Ch. Platte, D. Ammirzadeh-  
Asl, B. Roth  
Z. Naturforsch. **1980**, *35b*, 1130-1136  
Synthese von vier- und achtegliedrigen Heterocyclen, die  
Schwefel, Stickstoff und Phosphor enthalten, und die  
Röntgenstrukturanalyse eines phosphorhaltigen  
achtegliedrigen SN-Rings
223. H.W. Roesky, C. Graf, M.N.S. Rao, B. Krebs, G. Henkel  
Angew. Chem. **1979**, *91*, 846-847  
S<sub>5</sub>N<sub>6</sub>(CH<sub>2</sub>)<sub>4</sub>, das erste spirocyclische (1'λ<sup>6</sup>-  
Thiacyclopentan)-Derivat einer Schwefel-Stickstoff-  
Verbindung
224. H.W. Roesky, M.N.S. Rao, T. Nakajima, W.S. Sheldrick  
Chem. Ber. **1979**, *112*, 3531-3537  
Synthese von Schwefel-Stickstoff-Verbindungen mit  
korbartiger Struktur
225. H.W. Roesky, Th. Müller, E. Wehner, E. Rodeck  
Chem. Ber. **1980**, *113*, 2902-2807

## Publikationen H. W. Roesky 1963 bis 2020

Cyclische Schwefel-Stickstoff-Verbindungen mit einem Kohlenstoffatom im Ringgerüst

226. H.W. Roesky, K. Ambrosius, M. Banek, W.S. Sheldrick  
Chem. Ber. **1980**, *113*, 1847-1854  
Darstellung, Reaktionen und Strukturen spirobicyclischer Phosphorane
227. H.W. Roesky  
In A. Senning, IV. Teil. Sulfur in Organic and Inorganic Chemistry **1982**, *4*, 15-45  
The Sulfur-Nitrogen Bond
228. H.W. Roesky, M. Witt, B. Krebs, G. Henkel, H.-J. Korte  
Chem. Ber. **1981**, *114*, 201-208  
Salze des  $S_4N_4O_2$  - Beispiele für die Abhängigkeit der Struktur von cyclischen Schwefel-Stickstoff-Verbindungen von der Elektronendichte
229. W.S. Sheldrick, H. Zamankhan, H.W. Roesky  
Chem. Ber. **1980**, *113*, 3821-3826  
Synthese und Struktur eines cyclischen achtgliedrigen Diarsans
230. H.W. Roesky, C. Graf, M.N.S. Rao  
Chem. Ber. **1980**, *113*, 3815-3820  
Kovalente Verbindungen des Tetraschwefelpentanitrids
231. H.W. Roesky, M. Witt, W. Clegg, W. Isenberg, M. Noltemeyer, G.M. Sheldrick  
Angew. Chem. **1980**, *92*, 959-960  
Ringkontraktion (8→5) beim achtgliedrigen  $S_4N_4O_2$
232. A. Gieren, B. Dederer, R. Martin, F. Schanda, H.W. Roesky, M. Eiser  
Chem. Ber. **1980**, *113*, 3904-3909  
Die Struktur der Lewis-Säure-Addukte des 5-Oxo-1,3λ<sup>4</sup>,2,4-dithiadiazols ( $S_2N_2CO$ ) am Beispiel des  $AsF_5$ -Adduktes
233. H.W. Roesky, W. Schmieder, W. Isenberg, D. Böhler, G.M. Sheldrick  
Angew. Chem. **1982**, *94*, 143; Angew. Chem. Int. Ed. Engl. **1982**, *21*, 153; Angew. Chem. Suppl. **1982**, 269-282  
Synthese und Struktur von Schwefelanionen mit der Koordinationszahl 3
234. H.W. Roesky, R. Emmert, W. Clegg, W. Isenberg, G.M. Sheldrick  
Angew. Chem. **1981**, *93*, 623-624

## Publikationen H. W. Roesky 1963 bis 2020

Koordinierung von Dimethyl(thionitroso)amin an  
Pentacarbonylchrom über das Schwefelatom

235. H.W. Roesky, M.N.S. Rao, C. Graf, A. Gieren, E. Hädicke  
Angew. Chem. **1981**, *93*, 624-625  
1,5-Bis(dimethylamino)tetraschwefeltetranitrid - ein  
Käfigmolekül mit einer symmetrischen Stickstoffbrücke
236. H.W. Roesky, L. Schönfelder, B. Krebs, G. Henkel  
Z. Anorg. Allg. Chem. **1981**, *475*, 191-200  
Synthese und Röntgenstrukturanalyse von S<sub>4</sub>N<sub>4</sub>-Derivaten  
mit drei- und vierfach koordinierten Schwefelatomen
237. A.H. Cowley, S.K. Mehrotra, H.W. Roesky  
Inorg. Chem. **1981**, *20*, 712-716  
Synthesis and Reactions of 2,4-Di-*tert*-butyl-3-chloro-1λ<sup>6</sup>-  
thia-2,4-diaza-3-phosphetidine 1,1-Dioxide, a Heterocycle  
Containing Nitrogen, Sulfur, and Tricoordinate  
Phosphorus
238. H.W. Roesky, H. Zamankhan, W.S. Sheldrick, A.H.  
Cowley, S.K. Mehrotra  
Inorg. Chem. **1981**, *20*, 2910-2915  
Structural Chemistry of 1-Oxo-2,8-dimethyl-4,6-bis[3-  
trifluoromethyl)phenyl]-2,4,6,8-tetraaza-1λ<sup>3</sup>,5λ<sup>5</sup>-  
diphosphabicyclo[3.3.0]octane-3,7-dione and the  
Synthesis, Structure, and Reactions of 2,4,6,8-  
Tetramethyl-2,4,6,8-tetraaza-1λ<sup>3</sup>,5λ<sup>3</sup>-diphospha-  
bicyclo[3.3.0]octane-3,7-dione. Bicyclic Compounds with  
Phosphorus-Phosphorus Bonds
239. W.S. Sheldrick, S. Pohl, H. Zamankhan, M. Banek, D.  
Amirzadeh-Asl, H.W. Roesky  
Chem. Ber. **1981**, *114*, 2132-2137  
Über Reaktionen an Heterocyclen, die eine P-P-Bindung  
enthalten
240. H. Fuess, J.W. Bats, M. Diehl, L. Schönfelder, H.W.  
Roesky  
Chem. Ber. **1981**, *114*, 2369-2374  
Synthese und Struktur eines sechsgliedrigen Ringes mit  
den Elementen Schwefel, Stickstoff und Zinn
241. H.W. Roesky, C. Pelz, A. Gieren, E. Hädicke  
Z. Naturforsch. **1981**, *36b*, 1437-1443  
Synthese, Kristallstruktur und Reaktionskinetik des  
Bis(dimethylamino)tetraschwefeltetranitrids
242. H.W. Roesky, H. Djarrah, D. Amirzadeh-Asl, W.S.  
Sheldrick  
Chem. Ber. **1981**, *114*, 1554-1558



## Publikationen H. W. Roesky 1963 bis 2020

Synthese und Struktur von pentakoordinierten  
spirocyclischen Derivaten des Phosphors und Arsens

243. H.W. Roesky, M. Witt  
Comments Inorg. Chem. **1981**, *1*, 183-197  
Results and Perspectives in Sulfur and Nitrogen Chemistry
244. H.W. Roesky, K.-L. Weber, J. Schimkowiak  
Angew. Chem. **1981**, *93*, 1017  
Ein neues Onium-Salz: Synthese und Charakterisierung  
des Difluorophosphonium-Ions  $\text{PH}_2\text{F}_2^+$
245. M. Witt, H.W. Roesky, M. Noltemeyer, W. Clegg, M.  
Schmidt, G.M. Sheldrick  
Angew. Chem. **1981**, *93*, 1017-1018  
Synthese und Struktur eines nicht polymeren Moleküls mit  
elf alternierenden Schwefel- und Stickstoff-Atomen
246. H.W. Roesky, M. Witt  
Reviews in Inorg. Chem. **1982**, *4*, 45-86  
Small Inorganic Rings
247. H.W. Roesky, W. Schmieder, W.S. Sheldrick  
J. Chem. Soc. Chem. Comm. **1981**, 1013-1014  
Synthesis and X-Ray Structure of  
Bistetraphenylphosphonium Tris(phenylsulfonylimino)  
sulphite
248. H.W. Roesky, E. Wehner  
Z. Naturforsch. **1981**, *36b*, 1247-1250  
Reaktionen mit 3.4-Dichloro-1.2.5-thiadiazol
249. H.W. Roesky, H. Djarrah  
Inorg. Chem. **1982**, *21*, 844  
Preparation of a Spirocyclic Phosphorane with a  $\text{P}^{\text{V}}\text{-P}^{\text{V}}$ -  
Bond
250. H.W. Roesky, C. Pelz, B. Krebs, G. Henkel  
Chem. Ber. **1982**, *115*, 1448-1459  
Substitutionsreaktionen an Tetraschwefeltetranitrid-  
dichlorid
251. H.W. Roesky, L. Schönfelder  
Chem. Ber. **1982**, *115*, 1460-1466  
Komplexbildung durch alkylierende oder arylierende  
metallorganische Verbindungen
252. I. Rayment, H.M.M. Shearer, H.W. Roesky  
J. Chem. Soc., Dalton Trans. **1982**, 883-885

## Publikationen H. W. Roesky 1963 bis 2020

Crystal Structure of 2,2,4,4,6-Pentafluoro-6[*N*-(1,2,4,3,5-trithiadiazol-1-ylidene)amino]cyclo-triphosphazene,  
 $S_3N_2NP_3N_3F_5$

253. H.W. Roesky, H. Hofmann, W. Clegg, M. Noltemeyer, G.M. Sheldrick  
*Inorg. Chem.* **1982**, *21*, 3798-3800  
Preparation and Crystal Structure of Cyclic Dithiooxamides
254. H.W. Roesky, M. Kuhn, J.W. Bats  
*Chem. Ber.* **1982**, *115*, 3025-3031  
Addukte von Lewis-Säuren mit 1,2,4λ<sup>4</sup>,3,5-Trithiadiazol-1-oxid
255. H.W. Roesky, K.K. Pandey  
*Advances in Inorganic Chemistry and Radiochemistry* **1983**, *26*, 337-356  
Transition-metal thionitrosyl and related complexes
256. H.W. Roesky, D. Amirzadeh-Asl, W.S. Sheldrick  
*J. Am. Chem. Soc.* **1982**, *104*, 2919  
Facile synthesis of a pentacoordinated diphosphorane
257. J. Giordan, H. Bock, M. Eiser, H.W. Roesky  
*Phosphorus and Sulfur* **1982**, *13*, 19-24  
The Formation of the  $S_3N_2^{\oplus}$  Radical Cation via Reaction of Sulfurdiimides,  $S_4N_4$  or  $S_3N_2Cl_2$  with  $AlCl_3$
258. H.W. Roesky, W. Schmieder, W. Isenberg, W.S. Sheldrick, G.M. Sheldrick  
*Chem. Ber.* **1982**, *115*, 2714-2727  
Schwefel-Anionen mit der Koordinationszahl 3: Synthese, Struktur und Existenzbereich
259. H.W. Roesky, M. Witt, J. Schimkowiak, M. Schmidt, M. Noltemeyer, G.M. Sheldrick  
*Angew. Chem.* **1982**, *94*, 541; *Angew. Chem. Suppl.* **1982**, 1273-1280  
 $S_6N_5O_4$  - eine Verbindung mit cyclischem Radikalkation  $S_3N_2^+$  und cyclischem Anion  $S_3N_3O_4^-$  in getrennten Stapeln
260. H.W. Roesky, M. Thomas, J.W. Bats, H. Fuess  
*J. Chem. Soc. Dalton Trans.* **1983**, 1891-1893  
Octahedrally Co-ordinated Zinc and Cadmium Compounds with Five-membered Heterocyclic  $OS_3N_2$  Ligands
261. W.S. Sheldrick, H.W. Roesky, D. Amirzadeh-Asl

## Publikationen H. W. Roesky 1963 bis 2020

Phosphorus and Sulfur **1983**, *14*, 161-170  
Preparation and Structure of Metal Complexes with the  
Ligand 2,4,6,8-tetramethyl-2,4,6,8-tetraaza-1 $\lambda^3$ -5 $\lambda^3$ -  
diphosphabicyclo[3.3.0]octan-3,7-dione

262. A. Gieren, H.W. Roesky, L. Schönfelder  
Z. Anorg. Allg. Chem. **1982**, *493*, 158-170  
Synthese und Kristallstruktur von 1,1,5,5-Tetraethyl-3,7-  
bis(trifluormethylsulfonylimino)1 $\lambda^6$ ,3 $\lambda^4$ ,5 $\lambda^6$ ,7 $\lambda^4$ ,2,4,6,8-  
tetrathiatetrazocin, ein substituiertes  
Tetraschwefeltetranitrid
263. H.W. Roesky, M. Thomas, J. Schimkowiak, M. Schmidt,  
M. Noltemeyer, G.M. Sheldrick  
J. Chem. Soc. Chem. Comm. **1982**, 790-791  
X-Ray Crystal Structure of Bis(1-oxo-1 $\lambda^4$ ,2,4 $\lambda^4$ ,3,5-  
trithiadiazole)silver Hexafluoroarsenate(V); an Unusual  
Mode of Co-ordination
264. H.W. Roesky, W. Clegg, J. Schimkowiak, M. Schmidt, M.  
Witt, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1982**, 2117-2118  
Synthesis and Crystal Structure of (S<sub>3</sub>N<sub>3</sub>O<sub>4</sub>)<sub>2</sub>S, a  
Compound with Two Six-membered Rings bridged by a  
Sulphur Atom
265. H.W. Roesky, R. Emmert, W. Isenberg, M. Schmidt, G.M.  
Sheldrick  
J. Chem. Soc. Dalton Trans. **1983**, 183-185  
Preparation of 1,1-Diphenylthionitrosamine and X-Ray  
Crystal Structures of Two Thionitrosamine Complexes
266. H.W. Roesky, M. Thomas, M. Noltemeyer, G.M.  
Sheldrick  
Angew. Chem. **1982**, *94*, 861 - 862; Angew. Chem. Suppl.  
**1982**, 1819-1820  
Synthese und Struktur von [Zn(S<sub>2</sub>N<sub>2</sub>CO)<sub>6</sub>][AsF<sub>6</sub>]<sub>2</sub> -  
Schwefel-Stickstoff-Ringe als Liganden in  
Koordinationsverbindungen
267. H.W. Roesky, H. Djarrah, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1982**, *37b*, 1580-1583  
Über Reaktionen von Pyrrolidinium-  
bis(diethylphosphoryl)phosphinidin mit  
Chromcarbonylkomplexen
268. H.W. Roesky, J. Anhaus  
Chem. Ber. **1982**, *115*, 3682-3684  
Eine einfache Darstellung für S<sub>2</sub>N<sub>2</sub>
269. H.W. Roesky, M. Thomas, J.W. Bats, H. Fuess

## Publikationen H. W. Roesky 1963 bis 2020

- Inorg. Chem. **1983**, 22, 2342-2343  
Preparation and Crystal Structure of  
 $\{Zn[S(NSO)_2]_2\}(AsF_6)_2 \cdot 2SO_2$ : A Compound with a Two-  
Dimensional Network through Oxygen Atoms
270. H.W. Roesky, R. Bohra, W.S. Sheldrick  
J. Fluorine Chem. **1983**, 22, 199-203  
Synthese und Struktur eines Cyclodiars(V)-azans mit der  
Koordinationszahl 5 an den Arsenatomen
271. H.W. Roesky, M. Thomas, J. Schimkowiak, P. Jones, W.  
Pinkert, G.M. Sheldrick  
J. Chem. Soc. Chem. Comm. **1982**, 895-896  
Cyclo-octasulphur as a Ligand; Preparation and X-Ray  
Crystal Structure of  $[Ag(S_8)_2]AsF_6$
272. H.W. Roesky, M. Thomas, H.G. Schmidt, W. Clegg, M.  
Noltemeyer, G.M. Sheldrick  
J. Chem. Soc., Dalton Trans. **1983**, 405-407  
Tetrakis(tetrasulphur tetranitrogen dioxide)silver Hexa-  
fluoroarsenate(V)
273. H.W. Roesky, D. Amirzadeh-Asl, W. Clegg, M.  
Noltemeyer, G.M. Sheldrick  
J. Chem. Soc., Dalton Trans. **1983**, 855-856  
Preparation and X-Ray Crystal Structure of  
 $[(OC)_3Mo\{P_2[MeNC(O)NMe]_2\}_3Mo(CO)_3]$
274. R. Bohra, H.W. Roesky, J. Lucas, M. Noltemeyer, G.M.  
Sheldrick  
J. Chem. Soc. Dalton Trans. **1983**, 1011-1014  
Preparation of Trimeric and Tetrameric Bis(trifluoro-  
methyl)arsazene; X-Ray Study of  $[(CF_3)_2AsN]_4$
275. J.W. Bats, H. Fuess, K.-L. Weber, H.W. Roesky  
Chem. Ber. **1983**, 116, 1751-1755  
Synthese, Struktur und einige Eigenschaften von 1,2,3-  
Benzodithiazolium-Salzen
276. H.W. Roesky, H.-G. Schmidt, M. Noltemeyer, G.M.  
Sheldrick  
Chem. Ber. **1983**, 116, 1411-1414  
Addukt von Zinntetrachlorid an  
Bis(trimethylsilyl)schwefel-diimid
277. H.W. Roesky, M. Thomas, P. Jones, W. Pinkert, G.M.  
Sheldrick  
J. Chem. Soc. Dalton Trans. **1983**, 1211-1213  
Preparation and Crystal and Molecular Structure of a  
Polymeric Bis(sulphinylnitrido)sulphur Complex of  
Silver(I):  
 $[Ag_4\{S(NSO)_2\}_9][AsF_6]_4 \cdot SO_2$

## Publikationen H. W. Roesky 1963 bis 2020

278. H.W. Roesky, H. Djarrah, M. Thomas, B. Krebs, G. Henkel  
Z. Naturforsch. **1983**, *38b*, 168-171  
Oxidationsreaktionen von Phosphanen mit Schwefeldioxid
279. H.W. Roesky, J. Anhaus, H.-G. Schmidt, G.M. Sheldrick, M. Noltemeyer  
J. Chem. Soc. Dalton Trans. **1983**, 1207-1209  
Reactions of Tetrasulphur Tetranitride with Titanium and Vanadium Tetrachlorides; Crystal Structure of  $VCl_2(S_2N_3)$
280. H.W. Roesky, P. Schäfer, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1983**, *38b*, 347-349  
Zur Darstellung und Struktur des 1.3-Dichloro-5-N.N-dimethylamino-1.3-dithia-2.4.6-triazins
281. H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, G.M. Sheldrick  
Z. Kristallographie **1983**, *163*, 123-127  
Crystal and Molecular Structure of Bis-tetrasulphurtetranitride-tetrachlorotin
282. H.W. Roesky, H. Hofmann, P. Jones, W. Pinkert, G.M. Sheldrick  
J. Chem. Soc., Dalton Trans. **1983**, 1215-1216  
Trimeric Thioformaldehyde as a Ligand: Preparation and Crystal Structure of  $[Ag_2\{(CH_2S)_3\}_5][AsF_6]_2 \cdot SO_2$
283. H.W. Roesky, J. Anhaus, W.S. Sheldrick  
Inorg. Chem. **1984**, *23*, 75-79  
Synthesis and Crystal Structure of  $[(Ph_3P)_2(CO)_2(S_2N_2)RuCl]^+ AlCl_4^-$ . Preparation of Novel  $S_2N_2$  Complexes
284. H.W. Roesky, H. Keller, J.W. Bats  
Angew. Chem. Suppl. **1983**, 1323-1332  
1,2,4-Thiadiazol-3,5-dicarbonitril durch Reaktion von Dicyan mit Schwefel
285. H.W. Roesky, D. Amirzadeh-Asl  
Z. Naturforsch. **1983**, *38b*, 460-464  
Darstellung und Reaktionen von bicyclischen Verbindungen mit einer Phosphor-Phosphor-Bindung
286. H. Hofmann, P.G. Jones, M. Noltemeyer, E. Peymann, W. Pinkert, H.W. Roesky, G.M. Sheldrick  
J. Organomet. Chem. **1983**, *249*, 97-102

## Publikationen H. W. Roesky 1963 bis 2020

The syntheses and structures of silver complexes with trimeric thioformaldehyde and trimeric selenoformaldehyde

287. A.H. Cowley, S.K. Mehrotra, H.W. Roesky  
Inorg. Chem. **1983**, 22, 2095-2097  
New Five- and Six-membered Saturated Heterocycles  
Containing Sulfur-Nitrogen Bonds
288. H.W. Roesky, R. Emmert, T. Gries  
Chem. Ber. **1984**, 117, 404-407  
Darstellung und Eigenschaften des  
Hexaschwefeltetrastickstofftetraoxids, S<sub>6</sub>N<sub>4</sub>O<sub>4</sub>
289. W. Isenberg, N.K. Homsy, J. Anhaus, H.W. Roesky, G.M.  
Sheldrick  
Z. Naturforsch. **1983**, 38b, 808-810  
Synthese und Struktur von N<sub>2</sub>S<sub>3</sub>Cl<sup>+</sup>SbCl<sub>6</sub><sup>-</sup>
290. H.W. Roesky, H. Djarrah, J. Lucas, M. Noltemeyer, G.M.  
Sheldrick  
Angew. Chem. **1983**, 95, 1029; Angew. Chem. Suppl.  
**1983**, 1424-1434  
Synthese und Struktur eines Makrocyclus mit einem  
Gerüst aus Arsen-, Kohlenstoff-, Sauerstoff- und  
Stickstoffatomen
291. H.W. Roesky, K.K. Pandey, W. Clegg, M. Noltemeyer,  
G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1984**, 719-721  
Preparation and Crystal Structure of  
Trichloro(thionitrosyl)-bis(triphenylphosphine)osmium,  
[Os(NS)Cl<sub>3</sub>(PPh<sub>3</sub>)<sub>2</sub>]
292. H.W. Roesky, J. Lucas, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1984**, 117, 1583-1590  
(Disilylamino)phosphane (R<sub>f</sub>)<sub>2</sub>P-N(SiMe<sub>3</sub>)<sub>2</sub> - Bausteine  
für PN<sub>3</sub>S<sub>2</sub>-Ringe
293. H.W. Roesky, E. Peymann, J. Schimkowiak, M.  
Noltemeyer, W. Pinkert, G.M. Sheldrick  
J. Chem. Soc. Chem. Comm. **1983**, 981-982  
Silver Catalysed Macrocyclic Ether Formation: Crystal  
Structure of [(CH<sub>2</sub>O)<sub>6</sub>Ag<sub>2</sub>][Ag][AsF<sub>6</sub>]<sub>3</sub>
294. H.W. Roesky, K.-L. Weber, M. Noltemeyer, G.M.  
Sheldrick  
Z. Naturforsch. **1984**, 39b, 163-166

## Publikationen H. W. Roesky 1963 bis 2020

Ringöffnungsreaktionen eines Benzodithiazolium-chlorids  
und die Röntgenstrukturanalyse von 3.3'.5.5'-Tetrakis-  
*tert*-butyl-2.2'-bissulfinylamino-1.1'-diphenyl-disulfid

295. H.W. Roesky, A. Thiel  
Chem. Ber. **1984**, *117*, 1980-1981  
Kettenverlängerung bei Tetrafluor-1,2-  
ethandisulfonyldichlorid durch Reaktion mit  
Wasserstoffperoxid
296. K.K. Pandey, H.W. Roesky, M. Noltemeyer, G.M.  
Sheldrick  
Z. Naturforsch. **1984**, *39b*, 590-593  
Preparation and Structure of Tetraphenylphosphonium  
Aquotetrachlorothionitrosylosmium(II),  
[PPh<sub>4</sub>][(H<sub>2</sub>O)Os(NS)Cl<sub>4</sub>]
297. P. Jones, Th. Gries, H. Grützmacher, H.W. Roesky, J.  
Schimkowiak, G.M. Sheldrick  
Angew. Chem. **1984**, *96*, 357-358  
Silber-katalysierte Bildung von Kronenethern: Synthese  
und Struktur von [Ag([12]-Krone-4)<sub>2</sub>][AsF<sub>6</sub>]
298. R. Bohra, H.W. Roesky  
J. Fluorine Chem. **1984**, *25*, 145-149  
Synthesis and Structure of  
Bis(trifluoromethyl)Bis(trimethylsilyl)amino  
Dichloroarsorane, (CF<sub>3</sub>)<sub>2</sub>AsCl<sub>2</sub>N(SiMe<sub>3</sub>)<sub>2</sub>
299. H.W. Roesky  
Studies in Inorganic Chemistry **1984**, Vol. 5, 167-180  
Metal complexes of sulfur and sulfur-nitrogen compounds  
and their catalytic properties
300. H.W. Roesky, H. Hofmann  
Chem. Zeitung **1984**, *108*, 231-238  
Dicyan - Eigenschaften und Reaktionen
301. H.W. Roesky  
Kontakte **1984**, *1*, 18-25  
Chemische Kabinettstücke, Teil 1
302. H.W. Roesky  
Kontakte **1984**, *2*, 42-47  
Chemische Kabinettstücke, Teil 2
303. H.W. Roesky, U. Kußmaul, K. Keller, K. Kühlein  
Deutsches Patent P 34 08 180 A 1, **1985**  
Verfahren zur Herstellung von 2.6-Dichlorbenzothiazol

## Publikationen H. W. Roesky 1963 bis 2020

304. H.W. Roesky, K.-L. Weber, J.W. Bats  
Chem. Ber. **1984**, *117*, 2686-2692  
(*t*Bu)<sub>2</sub>N<sub>2</sub>Se<sub>6</sub> und (*t*Bu)<sub>6</sub>N<sub>6</sub>Se<sub>9</sub>: Synthese und Struktur  
zweier stabiler acht- bzw. fünfzehngliedriger Stickstoff-  
Selen-Ringe
305. R. Bohra, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1984**, 2011-2014  
Preparation and Structures of [As(CF<sub>3</sub>)<sub>2</sub>O(OH)]<sub>2</sub>,  
[As(CF<sub>3</sub>)-O(OH)Cl]<sub>2</sub>, and As<sub>4</sub>(CF<sub>3</sub>)<sub>6</sub>O<sub>6</sub>(OH)<sub>2</sub>; a Novel  
Cage Structure containing Four- and Six-co-ordinated  
Arsenic
306. H.W. Roesky, H. Hofmann, K. Keller, W. Pinkert, P.G.  
Jones, G.M. Sheldrick  
Chem. Ber. **1984**, *117*, 2681-2685  
Reaktionen des 1,2,4-Thiadiazol-3,5-dicarbonitril und  
Röntgenstrukturanalyse von 3-Cyan-1,2,4-thiadiazol-5-  
carboximidsäure-methylester
307. H.W. Roesky, T. Gries, P.G. Jones, K.-L. Weber, G.M.  
Sheldrick  
J. Chem. Soc. Dalton Trans. **1984**, 1781-1784  
Synthesis and X-Ray Structure of [Ag<sub>2</sub>(Ph<sub>2</sub>X<sub>2</sub>)<sub>4</sub>](AsF<sub>6</sub>)<sub>2</sub>  
X = S or Se); Six-membered Silver-Sulphur and Silver-  
Selenium Rings
308. H.W. Roesky, K.K. Pandey, B. Krebs, M. Dartmann  
J. Chem. Soc. Dalton Trans. **1984**, 2271-2273  
Preparation and Crystal Structure of a Sulphinylnitrido  
Complex of Rhodium(I): *trans*-[Rh(CO)(NSO)(PPh<sub>3</sub>)<sub>2</sub>]
309. M. Witt, H.W. Roesky  
Z. Anorg. Allg. Chem. **1984**, *515*, 51-60  
Synthesen des Anions S<sub>3</sub>N<sub>3</sub>O<sub>2</sub><sup>-</sup>, eines stabilen  
sechsgliedrigen Schwefel-Stickstoff-Rings mit einem 8π-  
Elektronengerüst
310. H.W. Roesky, K.K. Pandey, M. Noltemeyer, G.M.  
Sheldrick  
Acta Cryst. **1984**, *C40*, 1555-1556  
[Disulphidothionitrato(1-)](triphenylphosphine  
sulphide)copper(I), [Cu(NS<sub>3</sub>)(C<sub>18</sub>H<sub>15</sub>PS)]: a Trigonally  
Coordinated Cu<sup>I</sup> Complex
311. R. Bohra, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Acta Cryst. **1984**, *C40*, 1150-1152  
Dimeric *N-tert*-Butyl(chloroarsine)imine, C<sub>8</sub>H<sub>18</sub>As<sub>2</sub>Cl<sub>2</sub>N<sub>2</sub>
312. H.W. Roesky, R. Emmert, M. Noltemeyer, G.M. Sheldrick



## Publikationen H. W. Roesky 1963 bis 2020

- Z. Naturforsch. **1984**, *39b*, 701-704  
Darstellung und Struktur  $S_3N_3O_2Cl$
313. H.W. Roesky, N.K. Homsy, M. Noltemeyer, G.M. Sheldrick  
Angew. Chem. **1984**, *96*, 1002-1003  
Dithiocyan-Reaktion ohne Spaltung der S-S Bindung:  
Cycloaddition mit Hexafluoraceton
314. H.W. Roesky, J. Lucas, K.-L. Weber, H. Djarrah, E. Egert,  
M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1985**, *118*, 2396-2406  
Reaktionen von Hexafluoraceton mit Nitrilen der V. und  
VI. Hauptgruppe
315. J.W. Bats, K. Keller, A. Thiel, H.W. Roesky  
J. Fluorine Chem. **1984**, *26*, 313-319  
Synthese und Struktur von 2,2-Bis(trifluormethyl)4-  
dimethyl-amino-1,3-diazolon
316. H.W. Roesky, H. Hofmann, P.G. Jones, G.M. Sheldrick  
Angew. Chem. **1984**, *96*, 971  
Insertion von Platin in die Schwefel-Stickstoff-Bindung  
eines 1,2,4-Thiadiazols: Synthese eines sechsgliedrigen  
Metallaheterocyclus
317. H.W. Roesky, H. Hofmann  
Z. Naturforsch. **1984**, *39b*, 1092-1094  
Reaktionen von Dithiooxamid mit Chlormethylsilanen
318. H.W. Roesky, H. Hofmann  
Z. Naturforsch. **1984**, *39b*, 1315-1318  
Cyclisierung von Bis(2,2,2-trifluorethoxy)-1,2-  
diiminoethan mit Schwefel-, Selen-, Phosphor- und  
Arsenchloriden
319. P.G. Jones, H.W. Roesky, H. Grützmacher, G.M.  
Sheldrick  
Z. Naturforsch. **1985**, *40b*, 590-593  
Oxidative Knüpfung einer Phosphor-Phosphor-Bindung  
unter Einwirkung von Ag(I)- bzw. Cu(II)-Ionen: Synthese  
und Struktur von  $[(C_6H_5)PH_2Ag\{\mu-(C_6H_5PH)_2\}]_2(AsF_6)_2$ , einem sechsgliedrigen Silber-  
Phosphor-Ring
320. H.W. Roesky, K.S. Dhathathreyan  
J. Chem. Soc. Chem. Comm. **1984**, 1053-1054  
Insertion of  $P(CN)_3$  and  $As(CN)_3$  as their Isonitrile Forms  
into the Dimer of Hexafluorothioacetone

## Publikationen H. W. Roesky 1963 bis 2020

321. H.W. Roesky, K.S. Dhathathreyan, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1985**, *40b*, 240-246  
Reactions of Hexafluorothioacetone Dimer with Cyanides of Phosphorus, Arsenic and Germanium
322. H.W. Roesky, A. Thiel, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1985**, *118*, 2811-2821  
Tetrafluor-1,2-ethandisulfenyldichlorid - ein Baustein für neue Schwefel-Stickstoff-Kohlenstoff- Heterocyclen
323. H.W. Roesky, J. Lucas, K. Keller, K.S. Dhathathreyan, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1985**, *118*, 2659-2670  
Reaktionen von Hexafluoraceton mit Alkalicyanaten
324. H.W. Roesky, K.-L. Weber, U. Seseke, W. Pinkert, M. Noltemeyer, W. Clegg, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1985**, 565-571  
Structural and Nuclear Magnetic Resonance Studies of short Selenium-Nitrogen Bonds
325. N.K. Homsy, M. Noltemeyer, H.W. Roesky, H.-G. Schmidt, G.M. Sheldrick  
Inorg. Chim. Acta **1984**, *90*, L59-L60  
Reaction of Thiocyanogen with Chlor-tris(triphenylphosphine)-Copper(I) and Crystal Structure of  $\mu$ -Dithiocyanato-tetrakis(triphenylphosphine)dicopper(I)
326. H.W. Roesky, H. Hofmann, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1985**, *40b*, 124-126  
Synthese und Kristallstruktur von 1,1,1,3,3,3-Hexafluor-2-propylamino-1-thiooxamid
327. P.G. Jones, H.W. Roesky, J. Liebermann, G.M. Sheldrick  
Z. Naturforsch. **1984**, *39b*, 1729-1731  
Darstellung und Röntgenstrukturanalyse eines Komplexes aus 1,3-Dioxan und Silberhexafluorarsenat -  $[\text{Ag}(1,3\text{-C}_4\text{H}_8\text{O}_2)_3](\text{AsF}_6)$
328. H.W. Roesky  
J. Organomet. Chem. **1985**, *281*, 69-77  
Organometallic Compounds containing Nitrogen, Phosphorus, Arsenic and Sulfur
329. J. Anhaus, Z.A. Siddiqi, J. Schimkowiak, H.W. Roesky, H. Lueken  
Z Naturforsch. **1984**, *39b*, 1722-1728

## Publikationen H. W. Roesky 1963 bis 2020

- Darstellung und Eigenschaften von Cyclo-1 $\lambda^6$ -metalla-3,5-dithia-2,4,6-triazinen
330. J.W. Bats, K.K. Pandey, H.W. Roesky  
J. Chem. Soc. Dalton Trans. **1984**, 2081-2083  
Preparation and Structure of Tetraphenylphosphonium-Aquatetrachlorothionitrosylruthenate  
[PPh<sub>4</sub>][Ru(NS)Cl<sub>4</sub>(H<sub>2</sub>O)]
331. R. Bohra, H.W. Roesky  
Adv. Inorg. Chem. and Radiochem. **1984**, 28, 203  
Compounds of pentacoordinated arsenic(V)
332. H.W. Roesky, J. Lucas  
Inorg. Syntheses **1986**, 24, 122-125  
1,3,5,7-Tetramethyl-1*H*,5*H*-[1,4,2,3]Diazaphospholo[2,3-*b*][1,4,2,3]Diaza-phosphole-2,6-(3*H*,7*H*)-dione and a Molybdenum Complex
333. H.W. Roesky, J. Sundermeyer, J. Schimkowiak, P.G. Jones, M. Noltemeyer, T. Schroeder, G.M. Sheldrick  
Z. Naturforsch. **1985**, 40*b*, 736-739  
Facile Synthesis and Crystal Structure of  
[PhSO<sub>2</sub>N)<sub>2</sub>W<sup>VI</sup>Cl<sub>2</sub>(CH<sub>3</sub>CN)<sub>2</sub>] - the Oxidative Imination of W(CO)<sub>6</sub> by N,N-Dichlorophenylsulphonamide
334. H. Bock, B. Solouki, H.W. Roesky  
Inorg. Chem. **1985**, 24, 4425-4427  
Gas Phase Reactions. 52. Pyrolysis of S<sub>4</sub>N<sub>4</sub>
335. H.W. Roesky, H. Hofmann, J. Schimkowiak, P.G. Jones, K. Meyer-Bäse, G.M. Sheldrick  
Angew. Chem. **1985**, 97, 403-404  
Dicyan als Brückenligand - Herstellung und Kristallstruktur von polymerem [Ag{(CN)<sub>2</sub>}<sub>2</sub>]<sub>n</sub> mit gewelltem quadratischem Netzwerk
336. P. G. Jones, H.W. Roesky, H. Grützmacher, G.M. Sheldrick  
Z. Naturforsch. **1985**, 40*b*, 590-593  
Oxidative Knüpfung einer Phosphor-Phosphor-Bindung unter Einwirkung von Ag(I) - bzw. Cu(II)-Ionen: Synthese und Struktur von [(C<sub>6</sub>H<sub>5</sub>)PH<sub>2</sub>Ag{ $\mu$ -(C<sub>6</sub>H<sub>5</sub>PH)<sub>2</sub>}<sub>2</sub>](AsF<sub>6</sub>)<sub>2</sub> - einem sechsgliedrigen Silber-Phosphor-Ring
337. J. Anhaus, P.G. Jones, W. Pinkert, M. Noltemeyer, H.W. Roesky, G.M. Sheldrick  
Inorg. Chim. Acta **1985**, 97, L7-L9  
Structures of Tetraphenylarsonium 1,1,1,1-Tetrachlorocyclo-1 $\lambda^6$ -molybdata-3,5-dithia-2,4,6 triazine

## Publikationen H. W. Roesky 1963 bis 2020

and 1,1,1-Trichloro-1-acetonitrilo-cyclo-1 $\lambda^6$ -tungsta-3,5-dithia-2,4,6-triazine: Pseudo-Jahn-Teller Distortions of Cyclic 8 $\pi$  Systems

338. J. Anhaus, Z.A. Siddiqi, H.W. Roesky, J.W. Bats, Y. Elerman  
Z. Naturforsch. **1985**, 40b, 740-744  
Reaktion von Tetraschwefeltetranitrid mit Rhenium(VII)chloronitrid. Die Kristallstruktur von  $[\text{Ph}_4\text{As}^+]_2[\text{Cl}_4\text{Re}(\text{NS})(\text{NSCl})^{2-}] \cdot \text{CH}_2\text{Cl}_2$
339. J. Anhaus, Z.A. Siddiqi, H.W. Roesky, J.W. Bats  
J.Chem. Soc. Dalton Trans. **1985**, 2453-2455  
Reaction of the Anion  $[\text{WCl}_4(\text{CBu}^t)]^-$  with Tetrasulphur Tetranitride. Formation and Crystal Structure of  $[\text{AsPh}_4][\text{WCl}_3\text{O}(\text{OS}_2\text{N}_2)]$
340. H.W. Roesky, Th. Gries, H. Hofmann, J. Schimkowiak, P.G. Jones, K. Meyer-Bäse, G.M. Sheldrick  
Chem. Ber. **1986**, 119, 366-373  
Darstellung und Struktur neuer sechsgliedriger Metallaheterocyclen - Insertion von Platin in Selen-Stickstoff- und Schwefel-Stickstoff-Bindungen
341. H.W. Roesky, H.-G. Schmidt  
Angew. Chem. **1985**, 97, 711  
Reaktion von Ethylenoxid mit Schwefeldioxid in Gegenwart von Caesium-Ionen: Synthese von 1,3,6,9,2 $\lambda^4$ -Tetraoxathia-2-cycloundecanon
342. H.W. Roesky, N.K. Homsy, H.-G. Schmidt  
Z. Anorg. Allg. Chem. **1986**, 532, 131-136  
Über die Cycloaddition von Dithiocyan und Trithiocyan mit Hexafluoraceton und Folgeprodukte aus der Spaltung der Schwefel-Schwefel-Bindung mit elementarem Chlor im Dithiocyan-Hexafluoraceton-Addukt
343. H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1985**, 40b, 883-885  
Synthese und Struktur des Trifluoracetyldicyanomethanids
344. N.K. Homsy, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1985**, 2205-2207  
Preparation and Crystal Structure of  $[\text{AsPh}_4]_2[(\text{WCl}_5)_2\{\mu\text{-NC}(\text{CF}_3)_2\text{N}\}]$
345. V.K. Pogatzki, H.W. Roesky  
Chem. Ber. **1986**, 119, 771-776  
Zur Tautomerie kovalenter Cyanide - Reaktionen der Isonitrilform mit Hexafluoraceton

## Publikationen H. W. Roesky 1963 bis 2020

346. H.W. Roesky, Th. Gries, J. Schimkowiak, P.G. Jones  
Angew. Chem. **1986**, *98*, 93-94  
Polymere Silberkomplexe  $[Ag\{S_n(CN)_2\}_2][AsF_6]$  ( $n = 3, 4$ ). stabile Koordinationsverbindungen von Dicyantri- und -tetrasulfan
347. H.W. Roesky, R. Ahlrichs, S. Brode  
Angew. Chem. **1986**, *98*, 91  
Angew. Chem. Int. Ed. Engl. **1986**, *25*, 82-83  
Trithiometaphosphate  $PS_3^-$  - an Anion with Phosphorus of Coordination Number 3
348. H.W. Roesky, K.V. Katti, U. Seseke, M. Witt, E. Egert, R. Herbst, G.M. Sheldrick  
Angew. Chem. **1986**, *98*, 447-448  
Ein Übergangsmetallatom als Baustein eines cyclischen Phosphazens - Synthese und Struktur von  $[Cl_3WN_3(PPh_2)_2]$
349. M. Witt, K.S. Dhathathreyan, H.W. Roesky  
Adv. Inorg. Chem. **1986**, *30*, 223-312  
Inorganic Chemistry of Hexafluoroacetone
350. H.W. Roesky, U. Seseke, M. Noltemeyer, P.G. Jones, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1986**, 1309-1310  
Triphenylphosphineiminato-substituted Tungsten(VI) Fluorides. Crystal Structure of Tetrafluorobis(triphenylphosphineiminato)tungsten(VI)
351. H.W. Roesky, J. Sundermeyer, M. Noltemeyer, G.M. Sheldrick, K. Meyer-Bäse, P.G. Jones  
Z. Naturforsch. **1986**, *41b*, 53-58  
Darstellung und Struktur des N-Thiobis-N'-(phenylsulfonyl)schwefeldiimids
352. H.W. Roesky, J. Sundermeyer, J. Schimkowiak, T. Gries, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1986**, *41b*, 162-166  
Reaktionen von 1,2,4-Thiadiazol-3,5-dicarbonitril mit Schwefelchloriden: Röntgenstrukturanalyse von  $S_3(CN)_4Cl_2 \cdot AsF_5$  und  $S_3(CN)_8Cl_2$
353. H.W. Roesky, J. Schimkowiak, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1986**, *41b*, 175-178  
Darstellung und Eigenschaften des Tribrom-cyclo- $1\lambda^6$ -wolfram-3,5-dithia-2,4,6-triazens
354. H.W. Roesky, J. Schimkowiak, F. Walther

## Publikationen H. W. Roesky 1963 bis 2020

- Z. Naturforsch. **1986**, *41b*, 393-394  
Darstellung und Eigenschaften des  $\text{Br}_2\text{VS}_2\text{N}_3$
355. H.W. Roesky,  
J. Fluorine Chem. **1985**, *30*, 123-139  
New Results of the Reactions with Hexafluoroacetone and  
Related Compounds
356. H.W. Roesky, M. Witt  
Inorg. Syntheses **1986**, *24*, 72  
Silver Hexafluoroarsenate and Bis(*cyclo*-  
octasulfur)silver(1+)hexafluoroarsenate (1-)
357. H.W. Roesky, J. Lucas  
Inorg. Syntheses **1986**, *24*, 120-121  
*N,N'*-Dimethyl-*N,N'*-Bis(trimethylsilyl)urea
358. J. Lucas, D. Amirzadeh-Asl, H. Djarrah, H.W. Roesky  
Phosphorus and Sulfur **1983**, Vol. *18*, 69-72  
Fluoroalkylated Silylaminophosphanes and Bicyclic  
Diphosphanes: Reactivity and Structures
359. H.W. Roesky, B. Mainz  
Z. Anorg. Allg. Chem. **1986**, *540/541*, 212-214  
Regioselektive Substitutionsreaktionen am 1,1,3,5-  
Tetrachlor-1,2,4,6-phosphatriazin
360. H.W. Roesky, U. Otten, H. Oberhammer  
Z. Anorg. Allg. Chem. **1986**, *539*, 191-194  
Darstellung, Struktur und Reaktionen von *N,N*-  
Difluorsulfonyl-fluoridamid
361. H. Grützmacher, H.W. Roesky  
Chem. Ber. **1986**, *119*, 2127-2134  
Reaktionen von Cyanformamidinen mit Hexafluoraceton
362. H.W. Roesky, Th. Gries, K.S. Dhathathreyan, H. Lueken  
Z. Anorg. Allg. Chem. **1987**, *547*, 199-204  
Chelat-Sandwichkomplexe des Tripod-Liganden  
Tris(diethoxyphosphoryl)phosphan mit zweiwertigen  
Kationen von Mangan, Eisen, Cobalt und Nickel
363. P.G. Jones, H.W. Roesky, Th. Gries, K. Meyer-Bäse, G.M.  
Sheldrick  
Z. Anorg. Allg. Chem. **1986**, *542*, 46-52  
Reaktionen von ( $\eta^2$ -Ethen)bis(triphenylphosphan)-  
platin(0) mit dimerem Hexafluorthioacetone Darstellung  
und Struktur von Platinacyclopentan und  
-cyclopropanderivaten

## Publikationen H. W. Roesky 1963 bis 2020

364. H.W. Roesky, N. Benmohamed  
Revue Roumaine de Chim. **1986**, *31*, 935-942  
Über Reaktionen des Tetrafluor-1,2-ethandisulfenylchlorids mit  
Alkinen und Ketonen
365. H.W. Roesky  
Nova Acta Leopoldina **1985**, *59*, 215-229  
Neuere Entwicklungen in der Schwefel-Stickstoff-Chemie
366. H.W. Roesky, J. Schimkowiak, K. Meyer-Bäse, P.G. Jones  
Angew. Chem. **1986**, *98*, 998  
[Ag(NCS)<sub>2</sub>AsF<sub>6</sub>]<sub>n</sub> - ein Metallkomplex mit Dithiocyan als  
Ligand
367. H.W. Roesky, V.W. Pogatzki, K.S. Dhathathreyan, A.  
Thiel, H.-G. Schmidt, M. Dyrbusch, M. Noltemeyer, G.M.  
Sheldrick  
Chem. Ber. **1986**, *119*, 2687-2697  
Synthese und Strukturen von bicyclischen Phosphoranen -  
Folgeprodukte aus den Umsetzungen von Hexafluoraceton  
mit Quecksilbersalzen
368. H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1986**, *41b*, 803-807  
Darstellung und Kristallstrukturen von  
[Ph<sub>4</sub>As<sup>+</sup>][(PS<sub>2</sub>(N<sub>3</sub>)<sub>2</sub>)<sup>-</sup>] und [(n-C<sub>3</sub>H<sub>7</sub>)<sub>4</sub>N<sup>+</sup>]<sub>2</sub>[(NCPS<sub>2</sub>)<sub>2</sub>S<sup>2-</sup>]
369. K.V. Katti, U. Seseke, H.W. Roesky  
Inorg. Chem. **1987**, *26*, 814-816  
Synthesis and Characterization of New Heterocyclic  
Compounds of Tungsten, Selenium, and Tellurium
370. H.W. Roesky, K.V.Katti, U. Seseke, H.-G. Schmidt, E.  
Egert, R. Herbst, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1987**, 847-849  
New Heterocyclic Compounds containing Niobium and  
Molybdenum; Crystal Structure of a  
Cyclomolybdophosphazene
371. H.W. Roesky, N. Benmohamed, M. Noltemeyer, G.M.  
Sheldrick  
Z. Naturforsch. **1986**, *41b*, 938-940  
Synthese und Kristallstruktur des Anions [P<sub>4</sub>S<sub>9</sub>N]<sup>-</sup>
372. H.W. Roesky, H. Plenio, K. Keller, M. Noltemeyer, G.M.  
Sheldrick  
Chem. Ber. **1986**, *119*, 3150-3157  
Additionsreaktionen von 1,1-Dicyan-2,2-  
bis(trifluormethyl)ethen

## Publikationen H. W. Roesky 1963 bis 2020

373. F. Edelmann, H.W. Roesky, C. Spang, M. Noltemeyer, G.M. Sheldrick  
Angew. Chem. **1986**, *98*, 908-909  
S<sub>4</sub>N<sub>4</sub> als dreizähliger Ligand in  
[IrX(CO)(PPh<sub>3</sub>)(S<sub>4</sub>N<sub>4</sub>)]- Komplexen
374. H.W. Roesky, K.V. Katti, U. Seseke, U. Scholz, R. Herbst, E. Egert, G. M. Sheldrick  
Z. Naturforsch. **1986**, *41b*, 1509-1512  
Reaktionen von Wolframhexafluorid mit N-  
Trimethylsilyliminotriphosphoranen - Kristallstruktur von  
(Me<sub>3</sub>P=N)<sub>2</sub>WF<sub>4</sub>
375. H. W. Roesky, N. Bertel, F. Edelmann, R. Herbst, E. Egert, G.M. Sheldrick  
Z. Naturforsch. **1986**, *41b*, 1506-1508  
Synthese und Kristallstruktur von  
W<sub>2</sub>[OC(CF<sub>3</sub>)<sub>2</sub>NMe<sub>2</sub>]<sub>2</sub>(NMe<sub>2</sub>)<sub>4</sub>
376. K.V. Katti, H. W. Roesky, M. Rietzel  
Inorg. Chem. **1987**, *26*, 4032-4035  
A New Class of Inorganic Heterocycles from Insertion of  
Transition Metals into the Cyclophosphazene Skeleton.  
Synthesis and Characterization of Six-Membered Rings  
with Vanadium, Tungsten, and Rhenium in High  
Oxidation States
377. H.W. Roesky, N. Benmohamed, J. Schimkowiak, B. Krebs, M. Dartmann  
Z. Anorg. Allg. Chem. **1987**, *544*, 209-214  
Koordinationsverbindungen des Silber(I) mit  
stickstoffhaltigen Liganden - Kristallstruktur des NC-  
SCF<sub>2</sub>CF<sub>2</sub>S-CN
378. H.W. Roesky, N. Benmohamed  
Chem. Ztg. **1986**, *110*, 417-418  
Tetrafluor-1,2-ethandisulfonyldichlorid, ein vielseitiges  
Reagenz für die Darstellung von fünfgliedrigen  
Heterocyclen
379. H.W. Roesky, N. Benmohamed  
Z. Anorg. Allg. Chem. **1987**, *545*, 143-147  
Umsetzungen von Tetrafluor-1,2-ethandisulfonyldichlorid  
mit Ketonen und Olefinen
380. H. Grützmacher, H.W. Roesky  
J. Fluorine Chem. **1987**, *35*, 295-306  
Synthese funktioneller trifluormethylsubstituierter  
Formamidine



## Publikationen H. W. Roesky 1963 bis 2020

381. H.W. Roesky  
Schweizerische Laboratoriums-Zeitschrift **1986**, *43*, Nr. 8,  
304-308  
Chemische Kabinettstücke (Teil 1)
382. H.W. Roesky  
Schweizerische Laboratoriums-Zeitschrift **1986**, *43*, Nr.  
9,338-342  
Chemische Kabinettstücke (Teil 2)
383. H.W. Roesky  
Chem. Soc. Rev. **1986**, *15*, 309-334  
Catalysis and Coordination Compounds Involving  
Electron-Rich Main Group Elements
384. M. Witt, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1987**, *42b*, 519-521  
Synthese und Struktur von  $\text{H}_2\text{NSO}_2\text{NWCl}_4$  - ein  
Kirsanov-Reagens mit einem Übergangsmetallatom
385. H. Grützmacher, H.W. Roesky  
Chem. Ber. **1987**, *120*, 995-998  
Synthese von fünfgliedrigen Heterocyclen - Reaktionen  
funktioneller Formamide mit Alkenen, Alkinen und  
Heterokumulenen
386. F. Knösel, H.W. Roesky, F. Edelmann  
Inorg. Chim. Acta **1987**, *139*, 187-188  
Organoactinide Complexes Part. I. - Synthesis and  
Structure of Tris(cyclopentadienyl)uranium Fluoralkoxides
387. H.W. Roesky, K. Swarat, F. Edelmann  
Z. Naturforsch. **1988**, *43b*, 231-232  
Darstellung eines cyclischen Ferrocenderivates mit  
Wolfram(VI)
388. H. Plenio, E. Egert, M. Nieger, H.W. Roesky, H.-G.  
Schmidt, G.M. Sheldrick  
J. Fluorine Chem. **1988**, *38*, 187-204  
Preparation and Structural Investigations of Fluorinated  
Tungsten(VI) Alkoxides
389. R. Herbst, K.V. Katti, H.W. Roesky, G.M. Sheldrick  
Z. Naturforsch. **1987**, *42b*, 1387-1390  
Synthese und Struktur des ersten Cyclophosphazens mit  
einer Metall-Metall-Bindung im Ringgerüst
390. H.W. Roesky, T. Tojo, M. Ilemann, D. Westhoff  
Z. Naturforsch. **1987**, *42b*, 877-880

## Publikationen H. W. Roesky 1963 bis 2020

Der elektronisch stabilisierende Beitrag des  $\text{Ph}_3\text{P}=\text{N}$ -Liganden. Darstellung von  $\text{CH}_3\text{WCl}_4\text{N}=\text{PPh}_3$  und das elektrochemische Verhalten von  $\text{Ph}_3\text{PN}$ -substituierten Wolfram(VI)-Halogeniden

391. H. Plenio, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
J. Chem. Soc., Chem. Comm. **1987**, 1483-1484  
Preparation of the Titanium Bisthionylimide Complex  $[\text{Cp}_2\text{Ti}(\text{NSO})_2]$  and the Silyl Sulphur Di-imide Derivative  $[\text{Cp}_2\text{Ti}(\text{NSNSiMe}_3)_2]$ : Precursors of Novel Metallacycles. Crystal Structure of the Thionylimide ( $\text{Cp} = \eta^5\text{-C}_5\text{H}_5$ )
392. H.W. Roesky, F. Schrupf, F. Edelmann  
Z. Naturforsch. **1987**, *42b*, 874-876  
Reaktionen von Übergangsmetallhalogeniden mit N-Trimethylsilyl-hexafluorisopropylidenimin und Lithiumhexafluorisopropylidenimid
393. K.V. Katti, H.W. Roesky, M. Rietzel  
Z. Anorg. Allg. Chem. **1987**, *553*, 123-126  
Synthese und Charakterisierung einer neuen metallacyclischen Verbindung des Osmiums
394. H.W. Roesky, N. Benmohamed, K. Keller, N. Keweloh, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1987**, *42b*, 1249-1252  
Synthese und Kristallstruktur siebengliedriger kohlenstoffhaltiger Schwefel-Stickstoffringe
395. H. Grützmacher, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1987**, *42b*, 1245-1248  
Substitutionsreaktionen am N-[1-Chlor-2,2,2-trifluor-1-(trifluormethyl)ethyl]-dimethylformamidin
396. F. Edelmann, C. Spang, M. Noltemeyer, G.M. Sheldrick, N. Keweloh, H.W. Roesky  
Z. Naturforsch. **1987**, *42b*, 1107-1109  
Synthese und Struktur bicyclischer arsenhaltiger Schwefel-Stickstoff-Metallkomplexe
397. H.W. Roesky, M. Scholz, F. Edelmann, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1987**, *120*, 1881-1884  
Reaktionen von Übergangsmetallhalogeniden mit Dimethylsulfoxyimin-Derivaten - Röntgenstrukturanalyse von  $\text{F}_5\text{WNS}(\text{O})\text{Me}_2$  und  $\text{F}_4\text{W}[\text{NS}(\text{O})\text{Me}_2]_2$
398. H. Grützmacher, N. Keweloh, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
J. Fluorine Chem. **1987**, *37*, 279-287

## Publikationen H. W. Roesky 1963 bis 2020

Reaktion von Cyanformamidinen mit 2,2,4,4-Tetrakis(trifluormethyl)-1,3-dithietan

399. J. Benecke, R. Drews, U. Behrens, F. Edelmann, K. Keller, H.W. Roesky  
J. Organomet. Chem. **1987**, *320*, C31-C34  
Synthese und Struktur von zwei Thioketen-Vanadium-Komplexen
400. K.V. Katti, U. Seseke, M. Witt, H.W. Roesky  
Phosphorus and Sulfur, **1987**, *30*, 421-424  
Cyclometallaphosphazenes - Synthetic and Structural Investigations of a New Class of Heterocyclic Compounds
401. H.W. Roesky, N. Bertel, F. Edelmann, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1988**, *43b*, 72-74  
Darstellung und Struktur des Bis(triphenylarsoranyliden)ammoniumchlorids
402. H.W. Roesky, B. Meller, M. Noltemeyer, H.-G. Schmidt, U. Scholz, G.M. Sheldrick  
Chem. Ber. **1988**, *121*, 1403-1406  
Benzamidinatokomplexe mit Haupt- und Nebengruppen-Elementen - Strukturen von  $\text{PhC}(\text{NSiMe}_3)_2\text{TiCl}_2$  und  $\text{PhC}(\text{NSiMe}_3)_2\text{MoO}_2$
403. H.W. Roesky, B. Mainz, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1988**, *43b*, 941-944  
Reaktionen der höheren Halogenide des Niobs, Molybdäns und Wolframs mit dem Phosphor-Ylid  $(\text{Et}_2\text{N})_3\text{P}=\text{CH}_2$  - Röntgenstruktur von  $[(\text{Et}_2\text{N})_3\text{PCH}_2]_2^{2+} [\text{WCl}_6]^{2-}$
404. H. Grützmacher, H.W. Roesky, M. Noltemeyer, N. Keweloh, G.M. Sheldrick  
J. Fluorine Chem. **1988**, *39*, 357-371  
Untersuchungen zum Reaktionsverhalten eines trifluormethylierten Formamidins
405. M. Witt, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Angew. Chem. **1988**, *100*, 852-853  
Synthese und Struktur von  $[\text{ClV}(\text{OSiMe}_3)\text{N}_2\text{PPh}_2]_2$ , dem ersten Cyclodimetallaphosphazenen - ein achtegliedriger, planarer, ungesättigter Heterocyclus
406. H.W. Roesky, J. Schimkowiak, P.G. Jones, M. Noltemeyer, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1988**, 2507-2508  
The First Complexes of Cyanogen Halides with Silver(I): Crystal Structure of  $[\text{Ag}(\text{NCCl})_2][\text{SbF}_6]$

## Publikationen H. W. Roesky 1963 bis 2020

407. F. Edelmann, C. Spang, H.W. Roesky, P.G. Jones  
Z. Naturforsch. **1988**, *43b*, 517-520  
Synthese und Struktur des ersten dreigliedrigen Arsen-  
Phosphor-Platin-Rings
408. H.W. Roesky, M. Witt  
Inorg. Synth. **1989**, *25*, 49-55  
Sulfur-Nitrogen Rings containing Exocyclic Oxygen
409. U. Otten, H.W. Roesky  
Z. Anorg. Allg. Chem. **1988**, *560*, 55-58  
Darstellung von 1,2-Bisalkinylthioether des  
Tetrafluorethans
410. H.W. Roesky, U. Scholz, A. Schmidpeter, K.  
Karaghiosoff, W.S. Sheldrick  
Chem. Ber. **1988**, *121*, 1681-1684  
Neue Bicyclen mit P(V)-P(III)-P(V)-Bindungen
411. H.W. Roesky, M. Zimmer, R. Herbst, G.M. Sheldrick  
Z. Naturforsch. **1988**, *43b*, 933-936  
N,N'-Bis(diphenylphosphino)-S,S-dimethylsulfodiimin -  
ein Ligand für cyclische Übergangsmetallkomplexe
412. H.W. Roesky, M. Zimmer, M. Noltemeyer, G.M.  
Sheldrick  
Chem. Ber. **1988**, *121*, 1377-1379  
Darstellung von S,S-Diphenyl-N(trimethylsilyl)sulfimin  
und Reaktionen mit Wolframhexafluorid - Einkristall  
Röntgenstrukturanalyse von  $F_4W(N=SPh_2)_2$
413. P.G. Jones, H.W. Roesky, J. Schimkowiak  
J. Chem. Soc., Chem. Commun. **1988**, 730  
How Do Silver(I) Cations React with Hydrogen Cyanide?  
The Crystal Structure of  $[Ag(NCH)_2][SbF_6]$
414. H. Plenio, H.W. Roesky, M. Noltemeyer, G.M. Sheldrick  
Angew. Chem. **1988**, *100*, 1377-1378  
Triazatrimetallabenzole, eine neue Klasse anorganischer  
Heterocyclen; Synthese und Struktur von  $[Cp^*TaN(Cl)]_3$
415. H.W. Roesky, J. Schimkowiak, M. Noltemeyer, G.M.  
Sheldrick  
Z. Naturforsch. **1988**, *43b*, 949-951  
Über die Reaktion von Dicyan mit Cd(II)-Ionen  
Röntgenstrukturanalyse von  $[Cd\{(CN)_2\}_2SO_2][AsF_6]_2$
416. H.W. Roesky, U. Seseke, M. Noltemeyer, G.M. Sheldrick  
Z. Naturforsch. **1988**, *43b*, 1130-1136

## Publikationen H. W. Roesky 1963 bis 2020

Darstellungen und Strukturen viergliedriger Metall-Stickstoff-Ringe

417. U. Scholz, M. Noltemeyer, H.W. Roesky  
Z. Naturforsch. **1988**, *43b*, 937-940  
Synthese und Struktur eines ungewöhnlichen Molybdän Heterocyclus durch Substitution eines Phenylringes in *ortho*-Stellung
418. F. Edelmann, H. Plenio, K. Keller, H.W. Roesky  
Z. Anorg. Allg. Chem. **1988**, *565*, 111-117  
Darstellung und Struktur von Bis(perfluorpinakolato) oxo(tetrahydrofuran)wolfram(VI) - Ein Fluoralkoxid mit drei verschiedenen Wolfram-Sauerstoff-Bindungen
419. J. Sundermeyer, H.W. Roesky  
Angew. Chem. **1988**, *100*, 1417-1418  
Katalytische Synthesen funktionalisierter Stickstoffheterocyclen aus Dicyan
420. H.W. Roesky, M. Zimmer, M. Noltemeyer  
Chem. Ber. **1989**, *122*, 63-65  
Wolframheterocyclen mit Phosphor, Schwefel und Stickstoff als Ringbausteine
421. H. Plenio, H.W. Roesky, F. Edelmann, M. Noltemeyer  
J. Chem. Soc. Dalton Trans. **1989**, 1815-1818  
Preparation of Thionylimide Complexes of Titanium, Zirconium, and Hafnium. Crystal Structure of  $[\text{Zr}(\text{cp})(\eta\text{-C}_5\text{Me}_5)(\text{NSO})_2]$
422. M. Witt, H.W. Roesky, M. Noltemeyer, A. Schmidpeter  
New. J. Chem. **1989**, *13*, 403-411  
Synthesis of Cyclic and Acyclic Phosphazanium Salts and the Structure of a Bis(phosphinophosphoranylideneamino)- Phosphonium Chloride. Investigations on the Formation of Metal-containing eight membered Cyclophosphazenes.
423. H.W. Roesky, M. Zimmer, H.-G. Schmidt, M. Noltemeyer  
Z. Naturforsch. **1988**, *43b*, 1490-1494  
Neue Übergangsmetallkomplexe mit dem  $\text{Ph}_2\text{S}=\text{N}$ -Liganden
424. H.W. Roesky, F. Schruppf, M. Noltemeyer  
Z. Naturforsch. **1989**, *44b*, 35-40  
Neue Übergangsmetallkomplexe mit dem Liganden  $\text{Me}_2\text{S}(\text{O})=\text{NPh}_2=\text{N}$ -
425. H. Plenio, H.W. Roesky  
Z. Naturforsch. **1989**, *44b*, 94-95

## Publikationen H. W. Roesky 1963 bis 2020

Synthese Dicyclopentadienyl-Titan(IV) substituierter Carbodiimide

426. H.W. Roesky, P. Olms, M. Witt, K. Keller, D. Stalke, T. Henkel, G.M. Sheldrick  
J. Chem. Soc., Chem. Commun. **1989**, 6, 366-367  
A Volatile Cyclic Metallaphosphazene; Preparation and X-Ray Structure of  $[(CF_3)_2PN]_2NVC1_2$
427. H. Plenio, H.W. Roesky  
Z. Naturforsch. **1988**, 43b, 1575-1578  
Synthese achthgliedriger Metallacyclen mit einem  $M(NSN)_2M$ -Gerüst (M=Zr, Hf)
428. U. Scholz, H.W. Roesky, J. Schimkowiak, M. Noltemeyer  
Chem. Ber. **1989**, 1067-1070  
Darstellung von Dithiatetrazocinen und Folgereaktionen
429. A. Recknagel, D. Stalke, H.W. Roesky, F.T. Edelmann  
Angew. Chem. **1989**, 101, 496-497  
Reduktive Dimerisierung eines Phosphaalkins unter Komplexierung an Samarium
430. H.W. Roesky, M. Lücke  
Angew. Chem. **1989**, 101, 480-481  
Synthese und Analyse von Polyphosphazenen mit  $MCl_3$ -Einheiten in der Polymerkette
431. J. Sundermeyer, H.W. Roesky, M. Noltemeyer  
Angew. Chem. **1989**, 101, 609-610  
 $S_4(CN)_8$ , eine blauschwarze höhermolekulare Schwefel-Dicyan-Verbindung mit 6  $\pi$ - und 8  $\pi$ -Elektroneneinheiten
432. H.W. Roesky, U. Scholz, M. Noltemeyer  
Z. Allg. Anorg. Chem. **1989**, 576, 255-266  
Synthese und Struktur der ersten sechsgliedrigen Selen- und Platintriazaphosphorine
433. M. Wedler, H.W. Roesky, F. Edelmann  
J. Organomet. Chem. **1988**, 345, C1-C3  
II\*-(Benzamidinato)uran(IV)-chloride;  
Neue Ausgangsmaterialien für die Organoactinoid-Chemie
434. M. Wedler, H.W. Roesky, F.T. Edelmann  
Z. Naturforsch. **1988**, 43b, 1461-1467  
 $\sigma$ -Ferrocenyl-Komplexe der frühen Übergangsmetalle -  
Synthese und Struktur
435. H.W. Roesky, U. Otten

## Publikationen H. W. Roesky 1963 bis 2020

- Chem. Ber. **1989**, *122*, 1071-1072  
Substitutionsreaktionen an Alkylbenzolen unter  
Verwendung von Trimethylsilylazid und Tetrafluor-1,2-  
ethandisulfenyl-dichlorid
436. C. Spang, F.T. Edelman, M. Noltemeyer, H.W. Roesky  
Chem. Ber. **1989**, *122*, 1247-1254  
Anorganische Ringsysteme mit Ferrocenyl-Substituenten
437. H.W. Roesky, K. Hübner, M. Noltemeyer  
Chem. Ber. **1989**, *122*, 1257-1254  
Synthese und Struktur des ersten achtgliedrigen  
Germanium-haltigen Schwefel-Stickstoff-Rings
438. H.W. Roesky, U. Otten, R. Herbst, M. Noltemeyer  
Z. Naturforsch. **1989**, *44b*, 543-547  
Synthese und Struktur von  $\alpha$ ,  $\beta$ -ungesättigten  
aliphatischen Diazenen
439. H.W. Roesky, Y. Bai, M. Noltemeyer  
Angew. Chem. **1989**, *101*, 788-789  
Synthese und Struktur von [ $\{(\eta^5\text{-C}_5\text{Me}_5)\text{Ti}(\text{NH})\}_3\text{N}$ ],  
einem Titanimidnitrid
440. M. Witt, H.W. Roesky, D. Stalke, F. Pauer, T. Henkel,  
G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1989**, 2173-2177  
Synthesis and Crystal Structures of Three Four-membered  
Ring Compounds containing  $\text{PN}_2\text{Ti}$ -Skeletons
441. H.W. Roesky, F. Schrupf, M. Noltemeyer  
J. Chem. Soc., Dalton Trans. **1990**, 713-714  
Synthesis of Tetrafluoro( $\eta^5$ -pentamethylcyclo-  
pentadienyl) tantalum(V) and X-Ray Crystal Structure of  
its  $\text{AsF}_3$  Solvate, [ $\{\text{Ta}(\eta^5\text{-C}_5\text{Me}_5)\text{F}_4\}_2\} \cdot 2\text{AsF}_3$
442. H.W. Roesky, M. Lücke  
J. Chem. Soc., Chem. Comm. **1989**, *11*, 748  
The First Soluble Organometallic Linear Chain Polymer  
based on a Tantalum-Nitrogen Backbone
443. J. Sundermeyer, H.W. Roesky, M. Noltemeyer  
Can. J. Chem. **1989**, *67*, 1785-1787  
Synthesis of a new unsaturated 16-membered heterocycle  
with alternating CC and NS building blocks
444. H.W. Roesky, U. Otten  
J. Fluor. Chem. **1990**, *46*, 433-443

## Publikationen H. W. Roesky 1963 bis 2020

Synthese partiell fluorierter Dithiaarsolane und Phosphetane mit 1,1,2,2,-Tetrafluorethan-1,2-bissulfenylchlorid und 1,2-Bis(trimethylsilylthio)-1,1,2,2-tetrafluorethan

445. H.W. Roesky, M. Scholz, M. Noltemeyer, F.T. Edelmann  
Inorg. Chem. **1989**, 28, 3829  
Preparation and Crystal Structure of Thallium-2,4,6-tris-(trifluoromethyl)phenoxide - a Compound of Tl(I) with Coordination Number Two at the Thallium Atom
446. H.W. Roesky, J. Liebermann, M. Noltemeyer, H.-G. Schmidt  
Chem. Ber. **1989**, 122, 1641-1643  
Darstellung und Struktur eines neungliedrigen Niobhaltigen Heterocyclus mit oxidischen und nitridischen Struktureinheiten
447. M. Scholz, H.W. Roesky, D. Stalke, K. Keller, F.T. Edelmann  
J. Organomet. Chem. **1989**, 366, 73-85  
Der 2,4,6-Tris(trifluormethyl)phenylsubstituent; Beispiele für elektronisch und sterisch stabilisierte niederkoordinierte Hauptgruppenelemente
448. M. Scholz, M. Noltemeyer, H.W. Roesky  
Angew. Chem. **1989**, 101, 1419-1420  
Indium-2,4,6-tris(trifluormethyl)phenoxid - ein Dimer mit der Koordinationszahl zwei an den Indiumatomen
449. H.W. Roesky, B. Mainz, M. Noltemeyer  
Z. Naturforsch. **1990**, 45b, 53-58  
Reaktionen von N-Lithio-N,N'-di(*t*-butyl)-S-phenylsulfinsäureimidamid mit Chloriden der Elemente der 4. Gruppe des Periodensystems Struktur des O[TiCl<sub>2</sub>N<sub>2</sub>(Bu<sup>t</sup>)<sub>2</sub>SPh]<sub>2</sub>
450. H.W. Roesky, A. Grünhagen, F.T. Edelmann, M. Noltemeyer  
Z. Naturforsch. **1989**, 44b, 1365-1368  
N,N'-Di(*t*-butyl)-S-ferrocenyl-sulfinsäureimidamid - ein neuer Ligand für die Synthese von Metallkomplexen
451. H. Plenio, M. Witt, F.T. Edelmann, T. Henkel, M. Noltemeyer, F. Pauer, D. Stalke, G.M. Sheldrick, H.W. Roesky  
Phosphorus, Sulfur, and Silicone **1989**, 41, 335-339  
Inorganic Heterocycles containing two or three Transition Metal Atoms
452. H.W. Roesky, M. Sotoodeh, Y. Xu, F. Schrupf, M. Noltemeyer



## Publikationen H. W. Roesky 1963 bis 2020

- Z. Anorg. Allg. Chem. **1990**, *580*, 131-138  
Darstellung und Struktur von Tetrafluoro( $\eta^5$ -pentamethyl-  
cyclopentadienyl)niob und Tetrafluoro( $\eta^5$ -  
cyclopentadienyl) niob
453. J. Münzenberg, M. Noltemeyer, H.W. Roesky  
Chem. Ber. **1989**, *122*, 1915-1916  
Synthese und Struktur eines viergliedrigen Tellur-  
Stickstoff Rings
454. H.W. Roesky, F. Schrupf, M. Noltemeyer  
Z. Naturforsch. **1989**, *44b*, 1369-1372  
Substitutionsreaktionen am Tetrafluorotantal-Komplex  
( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)-TaF<sub>4</sub>
455. H.W. Roesky  
Polyhedron **1989**, *8*, 1729-1731  
Metallaheterocycles - Precursors for Inorganic Polymers
456. M. Witt, H.W. Roesky  
Polyhedron **1989**, *8*, 1736-1741  
Bifunctional Phosphazenes - Precursors for the Synthesis  
of Cyclic and Acyclic Metallaphosphazenes
457. H.W. Roesky, T. Raubold, M. Witt, M. Noltemeyer  
Eur. J. Solid State Inorg. Chem. **1989**, *26*, 465  
Preparation of hexaphenyldiimidotriphosphinic acid and  
its adduct with MoO<sub>2</sub>Cl<sub>2</sub>
458. O. Gottsleben, H.W. Roesky, M. Stuke  
Adv. Mater. **1991**, *3*, 201-202  
Two-Step Generation of Aluminum Microstructures on  
Laser-Generated Pd Pre-nucleation Patterns using Thermal  
CVD from (Trimethylamine)-trihydridoaluminum
459. N. Bertel, H.W. Roesky, F.T. Edelmann, M. Noltemeyer,  
H.-G. Schmidt  
Z. Anorg. Allg. Chem. **1990**, *586*, 7-18  
Darstellung und Charakterisierung von Selenverbindungen  
mit dem 2,4,6-Tris(trifluormethyl)phenyl-Substituenten
460. J. Sundermeyer, H.W. Roesky, J. Lautner, P.G. Jones  
Chem. Ber. **1990**, *123*, 433-438  
Reaktionen von 2,2,4,4-Tetrakis(trifluormethyl)-1,3-  
dithietan mit KNCS und KNCO - Struktur des  
Triphenylphosphan-Gold(I)-Komplexes eines Thiazolin-4-  
thiolats
461. G. Rabe, J. Sundermeyer, H.W. Roesky, H.-G. Schmidt,  
M. Noltemeyer  
Chem. Ber. **1990**, *123*, 691-696

## Publikationen H. W. Roesky 1963 bis 2020

Neue Synthesen Trifluormethyl-substituierter  
Heterocyclen

462. H.W. Roesky, D. Hesse, M. Rietzel, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 72-76  
Reaktionen von  $\text{Re}_2\text{O}_7$  mit Iminophosphoranen -  
Kristallstruktur von  $(\text{O}_3\text{ReN}=\text{PPh}_2)_2\text{C}_2\text{H}_4$
463. M. Rietzel, H.W. Roesky, K.V. Katti, H.-G. Schmidt, R.  
Herbst-Irmer, M. Noltemeyer, G.M. Sheldrick, M.C.R.  
Symons, A.Abu-Raqabah  
J. Chem. Soc. Dalton Trans. **1990**, 2387-2392  
Unexpected Nitrogen-Oxygen Exchange Reactions in  
Cyclic Metallaphosphazenes; Synthesis and X-Ray Crystal  
Structures of  $[\text{Mo}(\text{OPPh}_2\text{NHPPh}_2\text{O})_2\text{O}_2\text{Cl}_2]$ ,  
 $[\text{Mo}(\text{OPPh}_2\text{NPPh}_2\text{O})_2(\text{O})\text{Cl}]$ , and  $[\text{Mo}(\text{OPPh}_2\text{NPPh}_2\text{O})_2\text{O}_2]$
464. M. Rietzel, H.W. Roesky, K.V. Katti, M. Noltemeyer,  
M.C.R. Symons, A. Abu-Raqabah  
J. Chem. Soc. Dalton Trans. **1991**, 1285, 1290  
Formation of Spirocyclic Imidophosphinato Complexes:  
Crystal Structures of  $[\text{V}(\text{OPPh}_2\text{NPPh}_2\text{O})_2\text{O}]$  und  
 $[\text{Mo}(\text{NPPh}_2\text{NPPh}_2\text{O})_2\text{Cl}_2]$
465. H.W. Roesky, J. Münzenberg, M. Noltemeyer  
Angew. Chem. **1990**, *102*, 73-74  
Synthese und Struktur des stabilen Tellurnitrids  
 $(\text{ClTeNSN})_3\text{N}$
466. N. Bertel, M. Noltemeyer, H.W. Roesky  
Z. Anorg. Allg. Chem. **1990**, *588*, 102-108  
Darstellung und Struktur von Tris[2,4,6-tris(trifluor-  
methyl)thiophenolato]indium(III)diethyletherat
467. J. Sundermeyer, H.W. Roesky, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 77-79  
[2+3] Cycloadditionsreaktionen von Nitrilen und Bis(tri-  
phenylphosphoranyliden)iminiumazid
468. Y. Xu, H.W. Roesky, F. Schruppf, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 423-426  
Substitutionsreaktionen am Niobtetrafluorid-Komplex  
 $(\eta^5\text{-C}_5\text{Me}_5)\text{NbF}_4$
469. F. Schruppf, H.W. Roesky, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 433-436  
Darstellung und Struktur des Selenamid-Komplexes  
 $\text{SeCl}_2[\text{N}=\text{PPh}_2\text{N}=\text{S}(\text{O})\text{Me}_2]_2$

## Publikationen H. W. Roesky 1963 bis 2020

470. A. May, H.W. Roesky, D. Stalke, F. Pauer, G.M. Sheldrick  
Chem. Ber. **1990**, *123*, 1475-1478  
Darstellung der ersten Sulfin-imide (Thion-S-imide) mit Perfluormethylgruppen unter Verwendung von Natrium-hexamethyldisilazanid als schonendes Dehydrohalogenierungsreagenz
471. H.W. Roesky, H. Voelker, M. Witt, M. Noltemeyer  
Angew. Chem. **1990**, *102*, 712-713  
Synthese und Struktur von  $\text{Ph}_2\text{P(S)N}=\text{TiCl}_2 \cdot 3\text{C}_5\text{H}_5\text{N}$ , dem ersten Imidotitan-Komplex
472. H.W. Roesky, J. Schimkowiak, H.-G. Schmidt, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1990**, *123*, 1345-1346  
Addukt eines fünfgliedrigen Trischwefeldistickstoffdioxid-Rings an Titan-tetrachlorid
473. H.W. Roesky, R. Hasselbring, J. Liebermann, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 1383-1387  
Untersuchungen an Benzamidinyl-2-phosphazenen-Liganden
474. M.R. Estrada-Yáñez, H.W. Roesky, U. Scholz, M. Noltemeyer  
Phosphorus, Sulfur, and Silicon **1990**, *47*, 145-152  
Bicyclen mit P(V)-P(III)-P(V)-Bindungen: Struktur eines Tetraazadiphosphocins
475. H.W. Roesky  
Leopoldina **1989**, (R.3) *33.1987*, 199-200  
Vom Schlangensymbol zu anorganischen Ringen
476. S. Brooker, F.T. Edelmann, T. Kottke, H.W. Roesky, G.M. Sheldrick, D. Stalke, K.H. Whitmire  
J. Chem. Soc., Chem. Commun. **1991**, 144-146  
Comparison of the X-Ray Crystal Structures of the Sodium and Potassium 2,4,6-Tris(trifluoromethyl)phenoxides ( $\text{RO}^-$ ) and 2,4,6-Tris(trifluoromethyl)benzenethiolates ( $\text{RS}^-$ ):  
 $[\text{Na}(\text{OR})(\text{thf})_2]_2$ ,  $[\text{K}(\text{OR})(\text{thf})_2(\mu\text{-thf})]_2$ ,  $[\text{Na}(\text{SR})(\text{thf})_2 \cdot 0.25\text{thf}]_x$  and  $[\text{K}(\text{SR})(\text{thf})]_x$  (thf = tetrahydrofuran)
477. I. Leichtweis, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Chem. Ber. **1991**, *124*, 253-257  
Dreikernige Niob-Oxid-Cluster. - Synthese von  $(\eta^5\text{-C}_5\text{Me}_5)_3\text{Nb}_3(\mu_2\text{-O})_3(\mu_3\text{-O})-(\mu_2\text{-Cl})\text{Cl}_3$  und  $[(\eta^5\text{-C}_5\text{Me}_5)_3\text{Nb}_3(\text{OH})_2(\mu_2\text{-OH})(\mu_3\text{-OH})(\mu_2\text{-O})_2(\mu_3\text{-O})\text{Cl}]\text{Cl}$

## Publikationen H. W. Roesky 1963 bis 2020

478. W. Rockensüss, H.W. Roesky, J.W. Gilje, M. Noltemeyer  
Eur. J. Solid State Inorg. Chem. **1990**, *27*, 599-615  
Synthesis and Structure of New  
 $\eta^5$ -Pentamethylcyclopentadienyldimethylplatinum(IV)  
Complexes
479. F. Schruppf, H.W. Roesky, M. Noltemeyer  
Z. Naturforsch. **1990**, *45b*, 1600-1602  
Darstellung und Struktur des Adduktes ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)  
TaF<sub>4</sub>.HN=PPh<sub>3</sub>
480. A. Mazzah, H.-J. Gosink, J. Liebermann, H.W. Roesky  
Chem. Ber. **1991**, *124*, 753-756  
Synthese von Imidodiphosphaten des Aluminiums,  
Galliums, Indiums, Zinns und Titans
481. H.W. Roesky, M. Scholz, M. Noltemeyer  
Chem. Ber. **1990**, *123*, 2303-2309  
Über Reaktionen des 2,4,6-Tris(trifluormethyl)phenols mit  
Verbindungen von Hauptgruppen- und Nebengruppen-  
Elementen (Li, Na, Mg, Ca, Ba, Ge, Sn und Ti, W, Mn,  
Cd)
482. K.H. Whitmire, H.W. Roesky, S. Brooker, G.M. Sheldrick  
J. Organomet. Chem. **1991**, *402*, C4-C7  
C-F bond activation in the reaction of BiCl<sub>3</sub> with sodium  
2,4,6-tris(trifluoromethyl)phenoxide
483. F. Schruppf, H.W. Roesky, T. Subrahmanyam, M.  
Noltemeyer  
Z. Anorg. Allg. Chem. **1990**, *583*, 124-132  
Substitutionsreaktionen an ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)  
TaF<sub>3</sub>[(NSiMe<sub>3</sub>)<sub>2</sub>C-Ar]  
Kristallstruktur von ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)TaF<sub>3</sub>[(NSiMe<sub>3</sub>)<sub>2</sub>C-C<sub>6</sub>H<sub>4</sub>-  
OMe]
484. M. Witt, D. Stalke, T. Henkel, H.W. Roesky, G.M.  
Sheldrick  
J. Chem. Soc. Dalton Trans. **1991**, 663-667  
Four- and Eight-membered Cyclic Phosphazene  
Derivatives of Zirconium, Titanium and Vanadium.  
Crystal Structures of the Complexes  
[ZrCl<sub>3</sub>(Me<sub>3</sub>SiNPPH<sub>2</sub>NSiMe<sub>3</sub>)]·MeCN and  
[{TiCl<sub>2</sub>(OPPh<sub>2</sub>N)}<sub>2</sub>].4MeCN
485. U. Dembowski, M. Noltemeyer, W. Rockensüss, M.  
Stuke, H.W. Roesky  
Chem. Ber. **1990**, *123*, 2335-2336  
Darstellung eines viergliedrigen Indium-Phosphor-Rings  
mit am Phosphor gebundenem Wasserstoff. -  
Kristallstruktur von [(Me<sub>3</sub>SiCH<sub>2</sub>)<sub>0</sub> InPHtBu]<sub>2</sub>

## Publikationen H. W. Roesky 1963 bis 2020

486. K. Hübner, H.W. Roesky, M. Noltemeyer, R. Bohra  
Chem. Ber. **1991**, *124*, 515-517  
Steuerung der Aggregation von Mangankomplexen durch unterschiedliche Basen an den Beispielen:  
[Mn(O<sub>2</sub>CCF<sub>3</sub>)<sub>2</sub>(py)<sub>4</sub>] und [Mn<sub>3</sub>(O<sub>2</sub>CCF<sub>3</sub>)<sub>6</sub>(benz)<sub>6</sub>]
487. B. Meller-Rehbein, H.W. Roesky, M. Noltemeyer  
Chem. Ber. **1991**, *124*, 523-526  
Darstellung von [Dimethylamino-(thiocarbonyl)thioamido]titan(IV)-dihalogeniden - Verbindungen mit kurzen Ti-N- Bindungen
488. H.W. Roesky, A. Mazzah, D. Hesse, M. Noltemeyer  
Chem. Ber. **1991**, *124*, 519-521  
Über die Funktion von Di(*tert*-butyl)silandiolat als Anker für Metallfragmente in hohen und mittleren Oxidationsstufen. Synthese und Strukturen von (*t*-Bu)<sub>2</sub>SiO<sub>2</sub>(TeCl<sub>2</sub>-μ-Cl<sub>2</sub>-TeCl<sub>2</sub>) und (*t*-Bu)<sub>2</sub>Si(OReO<sub>3</sub>)<sub>2</sub>
489. I. Leichtweis, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Z. Naturforsch. **1991**, *46b*, 425-431  
Niob-Stickstoff-Verbindungen: Synthese und Struktur der Halbsandwichkomplexe Ph<sub>3</sub>P=N-Nb( $\eta^5$ -C<sub>5</sub>EtMe<sub>4</sub>)Cl<sub>3</sub> und [( $\eta^5$ -C<sub>5</sub>EtMe<sub>4</sub>)Cl<sub>3</sub>Nb-N=PPh<sub>2</sub>]<sub>2</sub>C<sub>2</sub>H<sub>2</sub>
490. A. Haoudi-Mazzah, A. Mazzah, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Z. Naturforsch. **1991**, *46b*, 587-592  
Synthese und Struktur von achtegliedrigen Titan- und Zirkon-haltigen Siloxanringen
491. G. Rabe, K. Keller, H.W. Roesky, R.J. Lagow, F. Pauer, D. Stalke  
Z. Naturforsch. **1991**, *46b*, 157-160  
Struktur des 2,2,4,4-Tetrakis(trifluormethyl)-1,3-diselenetans
492. Hsu-Nan Huang, H.W. Roesky, R.J. Lagow  
Inorg. Chem. **1991**, *30*, 789-794  
Novel Synthesis of Unusual Classes of Fluorocarbon Organosulfur Compounds Using Elemental Fluorine as a Reagent
493. G. Rabe, H.W. Roesky, D. Stalke, F. Pauer, G.M. Sheldrick  
J. Organomet. Chem. **1991**, *403*, 11-19  
The Preparation and Crystal Structure of Sodium and Potassium Pentamethylcyclopentadienyl Pyridine Solvates

## Publikationen H. W. Roesky 1963 bis 2020

494. H.W. Roesky  
Synlett **1990**, *11*, 651-659  
Chemistry Without Borders Between Main Group and  
Transition Elements: Metal Containing Cyclic  
Phosphazenes and Siloxanes
495. H.W. Roesky, D. Hesse, M. Noltemeyer, G.M. Sheldrick  
Chem. Ber. **1991**, *124*, 757-759  
Synthese und Struktur von  $\text{Ph}_3\text{P}=\text{NRe}(\text{NC}_6\text{H}_3i\text{Pr}_{2-2,6})_3$  -  
eine Aza-Rhenium(VII)-Verbindung
496. K.H. Whitmire, D. Labahn, H.W. Roesky, M. Noltemeyer,  
G.M. Sheldrick  
J. Organomet. Chem. **1991**, *402*, 55-66  
Sterically crowded aryl bismuth compounds: synthesis and  
characterization of bis{2,4,6-  
tris(trifluoromethyl)phenyl} bismuth chloride and  
tris{2,4,6-tris(tri-fluoromethyl)phenyl} bismuth
497. J. Sundermeyer, H.W. Roesky  
Chem. Ber. **1991**, *124*, 1517-1520  
Chemie des Dicyans: Reaktionen des  
Diiminosuccinonitrils (DISN) mit Sulfonylchloriden und  
Chlortrimethylsilan sowie die Cyclisierung zu  
Trifluormethyl-substituierten 2*H*-Imidazolen
498. M. Björgvinsson, H.W. Roesky, F. Pauer, D. Stalke, G.M.  
Sheldrick  
Inorg. Chem. **1990**, *29*, 5140-5143  
Preparation and Structural Characterization of the Bis  
[bis(trimethylsilyl)amido]chalcogenides of Selenium and  
Tellurium
499. H.W. Roesky  
“Das Problemlösungspotential der Chemie” in “Zukunft  
durch Naturwissenschaft”, Heinz Sahner, Hrsg., Lüneburg:  
Univ., **1990**. Lüneburger Universitätsschriften 2
500. H.W. Roesky  
“Rings, Clusters and Polymers of Main Group and  
Transition Elements”, ed. by H.W. Roesky, Elsevier,  
Amsterdam (u.a.), **1989**, 369-408  
Unsaturated Four-, Six- and Eight-Membered  
Metallaheterocycles and Metal-Containing Polymers
501. H.W. Roesky, T. Raubold, M. Witt, R. Bohra, M.  
Noltemeyer  
Chem. Ber. **1991**, *124*, 1521-1523  
Synthese und Strukturen von Imidotitanverbindungen -  
Steuerung der Bildung monomerer und dimerer Spezies  
durch Änderung der Basizität des Lösungsmittels

## Publikationen H. W. Roesky 1963 bis 2020

502. D. Labahn, E. Pohl, R. Herbst-Irmer, D. Stalke, H.W. Roesky, G.M. Sheldrick  
Chem. Ber. **1991**, *124*, 1127-1129  
Darstellung und Struktur von Thallium(I)-2,4,6-tris(trifluormethyl)thiophenolat, einer Verbindung mit faltblattartig-polymerem Aufbau
503. H.W. Roesky, B. Meller-Rehbein, M. Noltemeyer  
Z. Naturforsch. **1991**, *46b*, 1059-1064  
Synthese und Reaktionen von 2-N,N-Bis(trimethylsilyl)aminobenzonitril - Kristallstrukturen von  $N\equiv C(C_6H_4)N=MoCl_3\cdot 3MeCN$  und  $[(Me_3Si)_2N(C_6H_4)CN]_2TiCl_4$
504. F. Liu, H.-G. Schmidt, M. Noltemeyer, C. Freire-Erdbrügger, G.M. Sheldrick, H.W. Roesky  
Z. Naturforsch. **1992**, *47b*, 1085-1090  
Synthesis and structure of eight-membered titanium containing siloxane rings
505. H.W. Roesky  
in: The Chemistry of Inorganic Ring Systems, R. Steudel (Ed.) Elsevier Science Publishers B.V. **1992**, 255-270  
Symbiosis between main group and transition elements
506. H.W. Roesky, B. Meller-Rehbein, M. Noltemeyer  
Z. Naturforsch. **1991**, *46b*, 1053-1058  
Darstellung und Reaktionen von N-substituierten N,1,3-Triphenyl-2-methylpropan-1,3-diketiminderivaten - Kristallstruktur von  $(Me_3Si)_2N-CPh=CMe-CPh=NPh\cdot GaCl_3$
507. H.W. Roesky, B. Meller-Rehbein, M. Noltemeyer  
Z. Naturforsch. **1991**, *46b*, 1117-1121  
Reaktionen von  $Me_2NC(S)SN(SiMe_3)_2$  mit Metallhalogeniden - Kristallstruktur von  $Me_2NCS_2ZrCl_3\cdot 3Pyridin$
508. H.W. Roesky, T. Raubold, M. Noltemeyer, M. Witt, R. Bohra  
Z. Naturforsch. **1992**, *47b*, 171-174  
Reaktion von N-Trimethylsilyl-N'(N'')-trimethylsilylamino-diphenyl-phosphoranyliden-imino)sulfamid mit Wolframoxitetra-chlorid und die Struktur von  $(Cl_3WNPPH_2N)_2$
509. M. Björgvinsson, H.W. Roesky, F. Pauer, D. Stalke, G.M. Sheldrick  
Eur. J. Solid State Inorg. Chem. **1992**, *29*, 759-776

## Publikationen H. W. Roesky 1963 bis 2020

Preparation and structure characterization of the bis[tertbutyl(trimethylsilyl)amino]chalcogenides of selenium and tellurium

510. A. Mazzah, A. Haoudi-Mazzah, M. Noltemeyer, H.W. Roesky  
Z. Anorg. Allg. Chem. **1991**, 604, 93-103  
Synthese und Strukturen von achtgliedrigen Bor- und Germaniumhaltigen Siloxanringen und eines Bicycloheptanderivats mit Silicium, Zinn und Sauerstoff als Ringbausteinen
511. G. Rabe, H.W. Roesky, R. Bohra, H.-G. Schmidt, M. Noltemeyer  
J. Fluorine Chem. **1991**, 52, 235-244  
Die Reaktion von Dithiooxamid mit dimerem Hexafluorthioacetone
512. H.W. Roesky, P. Olms, R. Hasselbring, N. Winkhofer, F.Q. Liu, M. Noltemeyer  
Phosphorus, Sulfur, and Silicon **1993**, 76, 255-260  
Synthesis of Cyclic Metal containing Phosphorus-nitrogen Compounds - A Comparison with Metal containing Siloxanes
513. H.W. Roesky, D. Hesse, R. Bohra, M. Noltemeyer  
Chem. Ber. **1991**, 124, 1913-1915  
Modellreaktionen von Metalloxiden an Silicium-Sauerstoff-Oberflächen
514. H.W. Roesky  
Chimia **1991**, 45, 304  
Experiments in Color
515. U. Dembowski, M. Noltemeyer, J.W. Gilje, H.W. Roesky  
Chem. Ber. **1991**, 124, 1917-1921  
Synthese und Strukturen von metallhaltigen achtgliedrigen N-S-O-Heterocyclen
516. Y. Bai, H.W. Roesky, M. Noltemeyer  
Z. Anorg. Allg. Chem. **1991**, 595, 21-26  
Neue Komplexe des Titans mit Bis(trimethylsilyl)amido-Liganden
517. H.W. Roesky, D. Hesse, M. Noltemeyer  
Eur. J. Solid State Inorg. Chem. **1991**, 28, 809-814  
Synthesis and crystal structure of  $\text{Re}_2\text{O}_7 \cdot 2\text{CH}_3\text{CN}$
518. U. Wieringa, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer



## Publikationen H. W. Roesky 1963 bis 2020

- Chem. Ber. **1992**, *125*, 2359-2361  
Neue Perrhenate und Aminorheniumtrioxide mit  
Elementen der 14. und 15. Gruppe des Periodensystems
519. H.W. Roesky, K. Hübner, M. Noltemeyer, M. Schäfer  
Angew. Chem. **1991**, *103*, 856-857  
Synthese und Struktur eines N<sub>2</sub>Sb<sub>2</sub>-Rings mit  
unterschiedlich koordinierten Antimonatomen
520. M. Björgvinsson, T. Heinze, H.W. Roesky, F. Pauer, D.  
Stalke, G.M. Sheldrick  
Angew. Chem. **1991**, *103*, 1671-1672; Angew. Chem. Int.  
Ed. Engl **1991**, *30*, 1677-1678  
Synthese und Struktur des ersten Tellur(III)-  
Radikalkations
521. I. Haiduc, C. Silvestru, H.W. Roesky, H.-G. Schmidt, M.  
Noltemeyer  
Polyhedron **1993**, *12*, 69-75  
A new inorganic metallocycle containing tin, sulphur,  
phosphorus and nitrogen. Crystal and molecular structure  
of spirobicyclic Me<sub>2</sub>Sn(SPPH<sub>2</sub>NPPH<sub>2</sub>S)<sub>2</sub>
522. P. Olms, H.W. Roesky, K. Keller, M. Noltemeyer  
Z. Naturforsch. **1992**, *47b*, 1609-1613  
Synthese und Charakterisierung achtegliedriger  
Cyclometallaphosphazene von Niob(V) und Titan(IV)  
sowie cyclischer und acyclischer Verbindungen von  
Molybdän(VI) mit Perfluoralkyl-Gruppen - Kristallstruktur  
von [Ph<sub>2</sub>PNONbCl<sub>3</sub>]<sub>2</sub>·4MeCN
523. P. Olms, H.W. Roesky, K. Keller, M. Noltemeyer, R.  
Bohra, H.-G. Schmidt, D. Stalke  
Chem. Ber. **1991**, *124*, 2655-2661  
Synthesen und Strukturen von cyclischen und acyclischen  
Vanadium(V)- und Molybdän(VI)-haltigen Verbindungen
524. M. Björgvinsson, H.W. Roesky, F. Pauer, G.M. Sheldrick  
Chem. Ber. **1992**, *125*, 767-769  
Synthese und Struktur von SeSb<sub>2</sub>Cl<sub>2</sub>(NCMe<sub>3</sub>)<sub>4</sub> - eines nur  
von Stickstoffatomen umgebenen Selenimids
525. Y. Bai, H.W. Roesky, M. Noltemeyer  
Chem. Ber. **1992**, *125*, 825-831  
Synthese und Strukturen von (Monoorganyl)amiden und -  
imiden des Zirkoniums und Hafniums
526. D. Hesse, H.W. Roesky, M. Noltemeyer  
Chem. Ber. **1992**, *125*, 833-834  
Synthese und Struktur von  
4,4'-Bis[phenyl(triphenylphosphonio)methyl]biphenyl-  
diperrhenat

## Publikationen H. W. Roesky 1963 bis 2020

527. H.-J. Koch, H.W. Roesky, R. Bohra, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **1992**, *104*, 612-613  
Cyclometallaborazine, Borazine mit Metallatomen als Ringbausteinen:  $\text{PhB}(\text{MeN})_3(\text{TiCl}_2)_2$
528. Y. Bai, M. Noltemeyer, H.W. Roesky  
Z. Naturforsch. **1991**, *46b*, 1357-1363  
Synthese und Strukturen von Monoalkylamiden und -imiden des Titans
529. D.K. Kennepohl, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Z. Naturforsch. **1992**, *47b*, 5-8  
Preparation and Characterization of  $\text{F}_3\text{Te}(\text{map})$  and the Structure of  $\text{Cl}_3\text{Te}(\text{map})$  (map = 2-(methylamino)pyridinato)
530. D.K. Kennepohl, S. Brooker, G.M. Sheldrick, H.W. Roesky  
Z. Naturforsch. **1992**, *47b*, 9-16  
Manganese(II) Amides: The Synthesis and X-ray Crystal Structures of  $\text{Mn}[\text{N}(\text{SiMe}_3)(2,6\text{-Pr}'_2\text{C}_6\text{H}_3)]_2[\text{THF}]$  and  $\text{Mn}_3[\text{N}(\text{H})2,6\text{-Pr}'_2\text{C}_6\text{H}_3]_4[\text{N}(\text{SiMe}_3)_2]_2$
531. Y. Bai, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Z. Naturforsch. **1992**, *47b*, 603-608  
Reaktionen von Titanocentrihalogeniden mit Tris(trimethylstannyl)amin
532. M. Björgvinsson, H.W. Roesky  
Polyhedron **1991**, *10*, 2353-2370  
The Structures of Compounds Containing Selenium-Nitrogen and Tellurium-Nitrogen Bonds
533. M. Witt, H.W. Roesky  
Progress in Inorg. Chem. **1992**, *40*, 353-444  
Sterically Demanding Fluorinated Substituents and Metal Fluorides with Bulky Ligands
534. U. Dembowski, H.W. Roesky, E. Pohl, R. Herbst-Irmer, D. Stalke, G.M. Sheldrick  
Z. Anorg. Allg. Chem. **1992**, *611*, 92-94  
Darstellung und Kristallstruktur von  $[\text{Me}_3\text{SiCH}_2]_2\text{InP}(\text{H})\text{Ad}]_2$
535. D. Labahn, S. Brooker, G.M. Sheldrick, H.W. Roesky  
Z. Anorg. Allg. Chem. **1992**, *610*, 163-168

## Publikationen H. W. Roesky 1963 bis 2020

Synthese und Kristallstrukturen von monomeren Bis(thio-phenolato)metall(II)-Komplexen

536. H.W. Roesky, J. Münzenberg, R. Bohra, M. Noltemeyer  
J. Organomet. Chem. **1991**, *418*, 339-348  
Syntheses and crystal structures of compounds containing short Te-N bonds
537. A.J. Elias, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Organometallics, **1992**, *11*, 462-464  
Transition-Metal-Containing Inorganic Ring Systems:  
Synthesis and X-ray Crystal Structure of the First  
Cyclozincadisilatriazane
538. D.K. Kennepohl, S. Brooker, G.M. Sheldrick, H.W.  
Roesky  
Chem. Ber. **1991**, *124*, 2223-2225  
Synthesis and Molecular Structure of the Solvent-Free  
[LiN(SiMe<sub>3</sub>)(2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)]<sub>2</sub> Dimer
539. R. Hasselbring, H.W. Roesky, M. Rietzel, M. Witt, M.  
Noltemeyer  
Phosphorus, Sulfur, and Silicone **1992**, *72*, 209-215  
The Silylation of the Phosphazanium Salt  
[H<sub>2</sub>NPPh<sub>2</sub>NPPh<sub>2</sub>NH<sub>2</sub>]<sup>+</sup>Cl<sup>-</sup>
540. T. Schoop, H.W. Roesky, M. Noltemeyer, H.G. Schmidt  
Organometallics **1993**, *12*, 571-574  
Syntheses and Reactivity of Ph<sub>3</sub>SiOReO<sub>3</sub>, Mes<sub>3</sub>GeOReO<sub>3</sub>,  
and (O<sub>3</sub>ReOPh<sub>2</sub>SnOPh<sub>2</sub>SnOH)<sub>2</sub>
541. H.-J. Koch, S. Schulz, H.W. Roesky, M. Noltemeyer, H.-  
G. Schmidt, A. Heine, R. Herbst-Irmer, D. Stalke, G.M.  
Sheldrick  
Chem. Ber. **1992**, *125*, 1107-1109  
Synthese und Struktur von CpAlCl<sub>2</sub>-Verbindungen mit  
sterisch anspruchsvollen Substituenten (Cp = Me<sub>5</sub>C<sub>5</sub>,  
EtMe<sub>4</sub>C<sub>5</sub>)
542. J. Gindl, M. Björgvinsson, H.W. Roesky, C. Freire-  
Erdbrügger, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1993**, *5*, 811  
Synthesis and structure of a stable selenodiimide complex
543. H.-J. Gosink, H.W. Roesky, M. Noltemeyer, H.-G.  
Schmidt, C. Freire-Erdbrügger, G.M. Sheldrick  
Chem. Ber. **1993**, *126*, 279-283  
Modellreaktionen zur Verankerung von Molybdän- und  
Vanadium-Oxiden auf Silicium-Sauerstoff-Oberflächen

## Publikationen H. W. Roesky 1963 bis 2020

544. R. Hasselbring, H.W. Roesky, M. Noltemeyer  
Angew. Chem. **1992**, *104*, 613-615  
Cyclophosphazenenmetalloxide, eine neue  
Verbindungsklasse, und Modellverbindungen für  
Polymerisationen von Phosphazenen
545. H.W. Roesky, M. Sotoodeh, M. Noltemeyer  
Angew. Chem. **1992**, *104*, 869-870  
Templatgesteuerte Organisation einer Fluoridoberfläche  
am Beispiel der Reaktion von [ $\{\eta^5\text{-C}_5\text{Me}_5\}\text{TiF}_3\}_2$ ] mit  
Natriumfluorid - eine Kronenether-analoge Verbindung
546. A.J. Elias, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Eur. J. Solid State Inorg. Chem. **1992**, *29*, 23-42  
Synthesis and X-ray structural characterization of novel  
twelve-membered cyclometallasilazoxanes containing  
cobalt and zinc
547. A. May, H.W. Roesky, R. Herbst-Irmer, S. Freitag, G.M.  
Sheldrick  
Organometallics **1992**, *11*, 15-16  
[3 + 1]Cycloaddition: Reaction of Dichlorogermylene with  
Hexafluoro-2-propanethione 1-Adamantylimide
548. N. Winkhofer, H.W. Roesky, M. Noltemeyer, W.T.  
Robinson  
Angew. Chem. **1992**, *104*, 670-671  
[*t*BuSiO(ReO<sub>4</sub>)]<sub>4</sub>, eine Modellverbindung für Metalloxe  
auf Silicatoberflächen - Synthese aus dem stabilen Triol  
*t*BuSi(OH)<sub>3</sub> und Re<sub>2</sub>O<sub>7</sub>
549. S. Brooker, N. Bertel, D. Stalke, M. Noltemeyer, H.W.  
Roesky, G.M. Sheldrick, F.T. Edelmann  
Organometallics **1992**, *11*, 192-195  
Main-Group Chemistry of the 2,4,6-Tris(trifluoromethyl)  
phenyl Substituent: X-ray Crystal Structures of [2,4,6-  
(CF<sub>3</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>]<sub>2</sub>Zn, [2,4,6-(CF<sub>3</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>]<sub>2</sub>Cd(MeCN), and  
[2,4,6-(CF<sub>3</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>]<sub>2</sub>Hg
550. F. Liu, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Organometallics **1992**, *11*, 2965-2967  
Synthesis and Structure of an Organotitanium Hydroxide  
Containing an O-H-O-Bond
551. N.N. Gerasimchuk, L. Nagy, H.-G. Schmidt, M.  
Noltemeyer, R. Bohra, H.W. Roesky  
Z. Naturforsch. **1992**, *47b*, 1741-1745  
Preparation, Ir and X-Ray Crystal Structure Studies of  
Tl(I)-2-pyridyl-cyanoxime Complex
552. J. Münzenberg, H.W. Roesky, M. Björgvinsson

## Publikationen H. W. Roesky 1963 bis 2020

Phosphorus, Sulfur, and Silicone **1992**, 67, 39-44  
Chalcogen-nitrogen Compounds of the heavier Group 16  
Elements

553. A.J. Elias, H.W. Roesky, W.T. Robinson, G.M. Sheldrick  
J. Chem. Soc. Dalton Trans. **1993**, 495  
Synthesis and Characterization of Silazoxy Metallacycles
554. A. Edelmann, S. Brooker, N. Bertel, M. Noltemeyer, H.W.  
Roesky, G.M. Sheldrick, F.T. Edelmann  
Z. Naturforsch. **1992**, 47b, 305-309  
Strukturuntersuchungen an Diaryldichalkogeniden: Die  
Molekülstrukturen von [2,4,6-(CF<sub>3</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>S]<sub>2</sub>, [2,4,6-  
Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>Te]<sub>2</sub> und [2-Me<sub>2</sub>N-4,6-(CF<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>2</sub>Te]<sub>2</sub>
555. W. Rockensüß, H.W. Roesky  
Advanced Materials **1993**, 5, 443-445  
AlH<sub>3</sub>(NMe<sub>3</sub>)<sub>2</sub> - a useful precursor for AlN
556. H.W. Roesky  
Solar Thermal Energy Utilization, German Studies on  
Technology and Application, Model Compounds for the  
Oxidation of Water in Photosynthesis **1992**, 6, 431-442
557. J. Münzenberg, H.W. Roesky, S. Besser, R. Herbst-Irmer,  
G.M. Sheldrick  
Inorg. Chem. **1992**, 31, 2986-2987  
Reactions of Tellurium Halides with Sulfur *N,N'*-Bis(trimethylsilyl)diimide - Preparation of the First  
Fluorotellurium Nitride
558. R. Hasselbring, I. Leichtweis, M. Noltemeyer, H.W.  
Roesky, H.-G. Schmidt, A. Herzog  
Z. Anorg. Allg. Chem. **1993**, 619, 1543-1550  
Neue Komplexe des Titans mit silylierten  
Aminoiminophosphoran- und Sulfodiimidliganden
559. H.-J. Koch, H.W. Roesky, S. Besser, R. Herbst-Irmer  
Chem. Ber. **1993**, 126, 571-574  
Synthese und Struktur des ersten Tellur-haltigen Borazin-  
Derivats und einer Tellur-haltigen Bor-Stickstoff-Spiro-  
Verbindung
560. F. Liu, H. Gornitzka, D. Stalke, H.W. Roesky  
Angew. Chem. **1993**, 105, 447-448  
Metallorganische Titankomplexe mit ungepaarten  
Elektronen: Synthese und Struktur von [ $\{\eta^5\text{-Cp}\}_2\text{TiF}_2\}_3\text{Ti}$ ] und [ $\{\eta^5\text{-Cp}\}_2\text{TiF}_2\}_3\text{Al}$ ]
561. T. Raubold, S. Freitag, R. Herbst-Irmer, H.W. Roesky  
Z. Anorg. Allg. Chem. **1993**, 619, 951-953

## Publikationen H. W. Roesky 1963 bis 2020

Synthese und Kristallstruktur der Spiro-Verbindung [(i-Pr)<sub>2</sub>P(S)NSiMe<sub>3</sub>]<sub>2</sub>SnCl<sub>2</sub>

562. S.K. Pandey, A. Steiner, H.W. Roesky, D. Stalke  
Angew. Chem. **1993**, *105*, 625-627  
Die ersten solvensfreien Chelat- und Cuban-artigen Bariumkomplexe: effektive Sol-Gel-Bildner
563. H.W. Roesky  
Kontakte **1993**, *1*, 35-43  
Chemische Kabinettstücke (Teil 3)
564. M. Sotoodeh, I. Leichtweis, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Chem. Ber. **1993**, *126*, 913-919  
Synthese und Reaktionen von (η<sup>5</sup>-Pentamethylcyclopentadienyl)- und (η<sup>5</sup>-Ethyltetramethylcyclopentadienyl)titantrifluorid
565. J. Münzenberg, H.W. Roesky, M. Noltemeyer, S. Besser, R. Herbst-Irmer  
Z. Naturforsch. **1993**, *48b*, 199-208  
Synthese und struktureller Vergleich einiger Tellur(IV)-Iminate
566. K. Köhler, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, C. Freire-Erdbrügger, G.M. Sheldrick  
Chem. Ber. **1993**, *126*, 921-926  
Neue Beiträge zur Chemie des Mangans: Synthese und Strukturen zweier monomerer Mn<sup>II</sup>-Verbindungen und eines hexanuklearen Mn<sup>II/III</sup>-Komplexes
567. H.W. Roesky, A. May, M. Noltemeyer  
J. Fluorine Chem. **1993**, *62*, 77-99  
Synthese von Heterocyclen durch Verwendung von Bis(trifluormethyl)sulfin-imiden
568. M. Andruh, K. Hübner, M. Noltemeyer, H.W. Roesky  
Z. Naturforsch. **1993**, *48b*, 591-597  
Syntheses and Structures of Three Mononuclear Coordination Compounds Containing Six- and Seven-Coordinated Manganese(II) Ions
569. B. Hübler-Blank, M. Witt, H.W. Roesky  
J. Chem. Educat. **1993**, *70*, 408-409  
Recycling of Sodium Waste
570. T. Belgardt, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **1993**, *105*, 1101-1102; Angew. Chem. Int. Ed. Engl. **1993**, *32*, 1056-1058

## Publikationen H. W. Roesky 1963 bis 2020

$(C_6F_5NGaMe)_4$  und  $(C_6F_5NInMe)_4$ : die ersten Gallium-Stickstoff- und Indium-Stickstoff-Verbindungen mit Cubanstrukturen

571. H.W. Roesky  
in: Organic Synthesis via Organometallics  
Eds. D. Enders, H.-J. Gais, W. Keim  
Vieweg **1993**  
Metal Containing Compounds: Precursors for New  
Reactions and Materials
572. H.W. Roesky  
Kontakte **1993**, 2, 18  
Chemische Kabinettstücke (Teil 4)
573. I. Leichtweis, R. Hasselbring, H.W. Roesky, M.  
Noltemeyer, A. Herzog  
Z. Naturforsch. **1993**, 48b, 1234-1240  
Synthesen und Strukturen sechsgliedriger  
Cyclometallaphosphazene von Tellur(IV) und  
Rhenium(VII)
574. D. Brizzolara, J.T. Ahlemann, H.W. Roesky, K. Keller  
Bull. Soc. Chim. Fr. **1993**, 130, 745-747  
Reactions of Buckminsterfullerene  $C_{60}$  with sulfin imides  
and  $(CF_3)_2NO$ , the first access to fullerenes containing  
perfluorinated substituents
575. U. Wirringa, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **1993**, 105, 1680-1681; Angew. Chem. Int.  
Ed. Engl. **1993**, 32, 1628-1630  
Die ersten Heteroallylmetallkomplexe mit Arsen der  
Koordinationszahl 2
576. H.W. Roesky, I. Leichtweis, M. Noltemeyer  
Inorg. Chem. **1993**, 32, 5102-5104  
Oxo Fluorides of Titanium and Vanadium. Preparation and  
Crystal Structure of  $[Cp^*TiF(\mu-O)]_4$  and  $OVF_2N=PPh_3$
577. R. Hasselbring, S.K. Pandey, H.W. Roesky, D. Stalke, A.  
Steiner  
J. Chem. Soc. Dalton Trans. **1993**, 3447-3451  
Metallation of the Acyclic Phosphazene Ligand  
 $HN[P(NMe_2)_2NSiMe_3]_2$ .  
Synthesis and Crystal Structure of  
 $\{NaN[P(NMe_2)_2NSiMe_3]_2\}_2$ ,  $\{KN[P(NMe_2)_2$   
 $NSiMe_3]_2\}_\infty$  and  $Ca\{N[P(NMe_2)_2NSiMe_3]_2\}_2$
578. T.-Y. Lin, H.W. Roesky, R. J. Lagow  
Synthetic Commun. **1993**, 23, 2451-2456  
The Synthesis of Perfluorocyclohexano-15-Crown-5-Ether

## Publikationen H. W. Roesky 1963 bis 2020

579. S. K. Pandey, A. Steiner, H.W. Roesky, D. Stalke  
Inorg. Chem. **1993**, 32, 5444 - 5446  
Insertion of Zinc into the Cyclophosphazene Skeleton:  
Synthesis and Structure of Six-Membered-Ring  
Complexes of Zinc
580. S. K. Pandey, R. Hasselbring, A. Steiner, D. Stalke, H.W.  
Roesky  
Polyhedron **1993**, 12, 2941- 2945  
Synthesis and X-ray Structure of an Isomeric  
Cyclophosphazene Complex containing Antimony(III)
581. M. Andruh, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Polyhedron **1993**, 12, 2901 - 2903  
Synthesis and X-Ray Structure of the Polynuclear  
Complex Bis( $\mu$ -trifluoroacetato-O,O')(1,10-  
phenanthroline)manganese(II)
582. S. Schulz, H.W. Roesky, H.J. Koch, G.M. Sheldrick, D.  
Stalke, A. Kuhn  
Angew. Chem. **1993**, 105, 1828 - 1830; Angew. Chem.  
Int. Ed. Engl. **1993**, 32, 1729-1731  
Eine einfache Synthese von [(Cp\*Al)<sub>4</sub>] und dessen  
Umsetzung zu den Heterocubanen [(Cp\*AlSe)<sub>4</sub>] und  
[(Cp\*AlTe)<sub>4</sub>] [Cp\* =  $\eta^5$ -C<sub>5</sub>(CH<sub>3</sub>)<sub>5</sub>]
583. M. Noltemeyer, J.W. Gilje, H.W. Roesky  
Acta Cryst. **1992**, C 48, 1665 - 1666  
Structure of Chlorodioxotetrakis(tetrahydrofuran)-  
uranium(VI) Pentachloro(tetrahydrofuran)uranate(IV)
584. E. Pohl, R. Herbst-Irmer, K. Köhler, H.W. Roesky, G.M.  
Sheldrick  
Acta Cryst. **1993**, C 49, 2141 - 2143  
Structure of 2,4,6-Tri(*tert*-butyl)aniline at 153 K
585. E. Pohl, H. J. Gosink, R. Herbst-Irmer, M. Noltemeyer,  
H.W. Roesky, G.M. Sheldrick  
Acta Cryst. **1993**, C 49, 1280 - 1283  
Structures of Amino(triphenyl)phosphonium Bromide and  
Amino(triphenyl)phosphonium Hexachloro-antimonate
586. U. Dembowski, T. Pape, R. Herbst-Irmer, E. Pohl, H.W.  
Roesky, G.M. Sheldrick  
Acta Cryst. **1993**, C 49, 1309 - 1311  
Structure of Bis- $\mu$ -[(trimethylsilyl)methanolato-O]-  
bis(trimethylsilylmethyl)gallium] and Bis- $\mu$ -trimethylsilyl-  
methanolato-O)-bis(trimethylsilylmethyl)-indium



## Publikationen H. W. Roesky 1963 bis 2020

587. D. Labahn, F.M. Bohnen, R. Herbst-Irmer, E. Pohl, D. Stalke, H.W. Roesky  
*Z. Anorg. Allg. Chem.* **1994**, *620*, 41 - 47  
Erste Kristallstruktur eines Selenans; Metall(II)-Komplexe mit dem 2,4,6-Tris(trifluormethyl)selenophenolat-Liganden
588. M. Andruh, H.W. Roesky, M. Noltemeyer, H.G. Schmidt,  
*Z. Naturforsch.* **1994**, *49b*, 31-35  
Reactions of bis(hexamethyldisilazanyl)manganese(II) with nitrogen containing ligands: syntheses and X-ray structures of  $[\text{Mn}(1,10\text{-phen})\{\text{N}(\text{SiMe}_3)_2\}_2]$  and  $\text{Mn}(4,4'\text{-bipy})\{\text{N}(\text{SiMe}_3)_2\} \cdot \text{THF}$
589. R. Hasselbring, H.W. Roesky, A. Heine, D. Stalke, G.M. Sheldrick,  
*Z. Naturforsch.* **1994**, *49b*, 43-49  
Neue Cyclophosphazene mit Metallen der III. Hauptgruppe als Ringbausteine
590. H. Voelker, U. Pieper, H.W. Roesky, G.M. Sheldrick  
*Z. Naturforsch.* **1994**, *49b*, 255-257  
Darstellung und Struktur von 2,3-Bis[2,4,6-tris(trifluormethyl)phenyl]-1,2,3-selenadiphosphiran
591. S. Schulz, S. Pusch, E. Pohl, S. Dielkus, R. Herbst-Irmer, A. Meller, H.W. Roesky  
*Inorg. Chem.* **1993**, *32*, 3343-3346  
Synthesis, Characterization, and Molecular Structures of Supermesitylgallium and Supermesitylindium Dihalides
592. F.-Q. Liu, A. Kuhn, R. Herbst-Irmer, D. Stalke, H.W. Roesky  
*Angew. Chem.* **1994**, *106*, 577-578; *Angew. Chem. Int. Ed. Engl.* **1994**, *33*, 555-556  
Molekulare Festkörper als Liganden in der Organometallchemie:  $[\text{Cp}^*_6\text{Ti}_6\text{Na}_7\text{F}_{19} \cdot 2.5 \text{ thf}]$  ( $\text{Cp}^* = \text{C}_5\text{Me}_5$ ) und  $[\text{Cp}^*_4\text{Ti}_4\text{Mg}_2\text{F}_{12} \cdot 7 \text{ thf}]$ , Bindeglieder zwischen ionischen Feststoffen und metallorganischen Verbindungen.
593. A. Herzog, F.-Q. Liu, H.W. Roesky, A. Demsar, K. Keller, M. Noltemeyer, F. Pauer  
*Organometallics* **1994**, *13*, 1251-1256  
Trimethyltin Fluoride: A new fluorinating reagent for the preparation of organometallic fluorides
594. S.K. Pandey, H.W. Roesky, D. Stalke, A. Steiner, H.-G. Schmidt, M. Noltemeyer  
*Phosphorus, Sulfur, and Silicon*, **1993**, *84*, 231-237

## Publikationen H. W. Roesky 1963 bis 2020

Functionalization of the classical oxoanion  $\text{VO}_4^{3-}$  by bis-silylated phosphazene ligand: Syntheses and X-ray structure

595. A. Grünhagen, U. Pieper, T. Kottke, H.W. Roesky  
*Z. Anorg. Allg. Chem.* **1994**, *620*, 716-722  
Synthesen und Strukturen funktionell substituierter Ferrocene
596. A. Herzog, H.W. Roesky, Z. Zak, M. Noltemeyer  
*Angew. Chem.* **1994**, *106*, 1035-1037; *Angew. Chem. Int. Ed. Engl.* **1994**, *33*, 967-968  
Reaktionen von  $[(\text{C}_5\text{Me}_5)\text{ZrF}_3]$  mit  $\text{AlMe}_3$  -  
Synthese und Struktur eines Zirconium-Aluminium-Kohlenstoff-Clusters
597. S. Schulz, L. Häming, R. Herbst-Irmer, H.W. Roesky, G.M. Sheldrick  
*Angew. Chem.* **1994**, *106*, 1052-1054; *Angew. Chem. Int. Ed. Engl.* **1994**, *33*, 969-970  
Synthese und Struktur des ersten Iminoalans mit einem  $\text{Al}_2\text{N}_2$ -Heterocyclus
598. H.W. Roesky  
Phosphorus, Sulfur, and Silicon, **1994**, *87*, 229-243  
Alan Cowley's Favorites - Recent Advances in The Chemistry of The Elements of Group 13 and 15
599. J.W. Gilje, H.W. Roesky  
*Chem. Rev.* **1994**, *94*, 895-910  
Structurally Characterized Organometallic Hydroxo Complexes of the f- and d-Block Metals
600. J.F. Van der Maelen Uria, S.K. Pandey, H.W. Roesky, G.M. Sheldrick  
*Acta Cryst.* **1994**, *C 50*, 671-674  
 $[\text{Li}\{\text{N}(\text{Me}_3\text{SiNPPPh}_2)_2\}]_2 \cdot 2.5\text{C}_7\text{H}_8$
601. R.J. Lagow, T.-Y. Lin, H.W. Roesky, W.D. Clark, W.-H. Lin, J.S. Brodbelt, S.D. Maleknia, C.C. Liou  
in J.S. Thrasher, S.H. Strauss, *Inorganic fluorine chemistry toward the 21<sup>st</sup> century*  
*ACS Symposium Serie* **1994**, *555*, 216-236  
Synthesis and chemistry of perfluoro macrocycles perfluoro crown ethers and cryptands
602. H.W. Roesky, A. Herzog, K. Keller  
*Z. Naturforsch.* **1994**, *49b*, 981-982  
Zinnorganische Fluoride als Fluorierungsreagenzien für Chloride von Hauptgruppenelementen - Quantitatives Recycling des Fluorierungsreagenzes

## Publikationen H. W. Roesky 1963 bis 2020

603. N. Winkhofer, A. Voigt, H. Dorn, H.W. Roesky, A. Steiner, D. Stalke, A. Reller  
Angew. Chem. **1994**, *106*, 1414-1416; Angew. Chem. Int. Ed. Engl. **1994**, *33*, 1352-1354  
Stabile Silantriole als Synthesebausteine für Titanasilasesquioxane -Modellverbindungen für titandotierte Zeolithe
604. S.D. Waezsada, T. Belgardt, M. Noltemeyer, H.W. Roesky  
Angew. Chem. **1994**, *106*, 1413-1414; Angew. Chem. Int. Ed. Engl. **1994**, *33*, 1351-1352  
[2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>(Me<sub>3</sub>Si)NTI]<sub>4</sub> - eine kovalente Thallium(I)-Stickstoff-Verbindung mit schwachen Aren-Thallium-Wechselwirkungen
605. M. Witt, H.W. Roesky  
Chem. Rev. **1994**, *94*, 1163-1181  
Transition and Main Group Metals in Cyclic Phosphazanes and Phosphazenes
606. H.-J. Gosink, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer, E. Irmer, R. Herbst-Irmer  
Organometallics **1994**, *13*, 3420-3426  
Synthesis and Structures of Cyclic and Acyclic Metallasiloxanes of Groups 5-7
607. S. Schulz, M. Andruh, Th. Pape, T. Heinze, H.W. Roesky, L. Häming, Annja Kuhn, R. Herbst-Irmer  
Organometallics **1994**, *13*, 4004-4007  
Facile Syntheses of Selenium- and Tellurium-Containing Metal Cubanes, [Cp\**M*(μ<sub>3</sub>-E)]<sub>4</sub> (Cp\* = C<sub>5</sub>Me<sub>5</sub>; M = Rh, Ir, Ga; E = Se, Te), and X-ray Crystal Structures of [Cp\**RhSe*]<sub>4</sub>, [Cp\**IrSe*]<sub>4</sub>, [Cp\**RhTe*]<sub>4</sub>, [Cp\**IrTe*]<sub>4</sub> and [Cp\**GaTe*]<sub>4</sub>
608. U. Warringa, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **1994**, *33*, 4607-4608  
Synthesis and Structure of a Cyclic Bismuth Amide
609. M.L. Montero, I. Usón, H.W. Roesky  
Angew. Chem. **1994**, *106*, 2198-2200  
Lösliche organische Derivate von Alumosilicaten mit Al<sub>2</sub>Si<sub>2</sub>O<sub>4</sub>- und Al<sub>4</sub>Si<sub>2</sub>O<sub>6</sub>-Gerüsten  
Angew. Chem. Int. Ed. Engl. **1994**, *33*, 2103-2104  
Soluble Organic Derivatives of Aluminosilicates with Al<sub>2</sub>Si<sub>2</sub>O<sub>4</sub> and Al<sub>4</sub>Si<sub>2</sub>O<sub>6</sub> Frameworks
610. M. Shakir, H.W. Roesky  
Phosphorus, Sulfur, and Silicon **1994**, *93-94*, 13-38  
Synthetic approaches to inorganic ring systems

## Publikationen H. W. Roesky 1963 bis 2020

611. S. Schulz, H.W. Roesky, M. Noltemeyer, H.G. Schmidt  
J. Chem. Soc. Dalton Trans. **1995**, 177-180  
Synthesis and Structures of Sterically Crowded Aryloxide-  
substituted Aluminium Chlorides
612. T. Lübben, H.W. Roesky, H. Gornitzka, A. Steiner, D.  
Stalke  
Eur. J. Solid State Inorg. Chem., **1995**, 32, 121-130  
Structural characterization of bis[2,4,6-  
tris(trifluoromethyl)phenyl]diphosphene and the synthesis  
and crystal structure of the diazadiphosphetidine  
( $(\text{CF}_3)_3\text{C}_6\text{H}_2\text{PNC}_6\text{F}_5$ )<sub>2</sub>
613. P.C. Srivastava, H.-G. Schmidt, H.W. Roesky  
Z. Naturforsch. **1995**, 50b, 695-696  
The Crystal Structure of  $[\text{Et}_4\text{N}]_2^{2+}[\text{TeI}_6]^{2-}$ , a Tetraalkyl  
Ammonium Salt Containing a Discrete Octahedral  $[\text{TeI}_6]^{2-}$   
Anion
614. S. Schulz, T. Schoop, H.W. Roesky, L. Häming, A.  
Steiner, R. Herbst-Irmer  
Angew. Chem. **1995**, 107, 1015-1016; Angew. Chem. Int.  
Ed. Engl. **1995**, 34, 919-920  
Synthese und Struktur von metallorganischen  
Verbindungen mit  $(\text{Al}_2\text{Si})_2$ - und  $\text{Al}_3\text{Sb}_2$ -Gerüsten
615. H.W. Roesky, A. Herzog, F.-Q. Liu  
J. Fluorine Chem. **1995**, 71, 161  
Organometallic fluorides
616. S. Freitag, R. Herbst-Irmer, J.T. Ahlemann, H.W. Roesky  
Acta Cryst. **1995**, C51, 631-633  
{*N*-(1-Adamantyl)[(pentafluoro-2-  
propenyl)thio]amino}(fluoro)bis[2,4,6-  
tris(trifluoromethyl)phenyl]tin at 153 K
617. S. Schulz, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Organomet. Chem. **1995**, 493, 69-75  
Reaktionen von  $(\text{Cp}^*\text{AlCl}_2)_2$  und  $(\text{Cp}^*\text{AlCl}_2)_2$  mit Alkyl-  
bzw. Arylalkaliverbindungen sowie lithiierten Aminen:  
Struktur von  $(\text{Cp}^*(\text{Ph})\text{AlCl})_2$  und  $[\text{Cp}^*(\text{Cl})\text{AlN}(\text{H})^t\text{Bu}]_2$
618. Th. Belgardt, J. Storre, H.W. Roesky, M. Noltemeyer, H.-  
G. Schmidt  
Inorg. Chem. **1995**, 34, 3821-3822  
Tris(pentafluorophenyl)alane: A Novel Aluminum Organyl
619. R. Herbst-Irmer, K. Köhler, A. Kuhn, H.W. Roesky, A.  
Steiner  
Z. Kristallographie **1995**, 210, 541-542

## Publikationen H. W. Roesky 1963 bis 2020

Crystal structure of tetra- $\mu$ -chloro-bis(1-ethyl-tetramethylcyclopentadienyl-tungsten) tetrahydrofuran solvate,  $(C_{11}H_{17}WCl_2)_2(C_4H_8O)_2$

620. F.-Q. Liu, I. Usón, H.W. Roesky  
J. Chem. Soc. Dalton Trans. **1995**, 2453-2458  
Synthesis and Structures of Cyclopentadienyl Fluoro and Chloro Complexes of a Triad (Ti, Zr, Hf) containing Acyclic and Cyclic Siloxane Building Blocks
621. H. W. Roesky  
Chemie in unserer Zeit **1995**, 29, 133-134  
Chemie en miniature
622. U. Wirringa, H. Voelker, H.W. Roesky, Y. Shermolovich, L. Markovski, I. Usón, M. Noltemeyer, H.-G. Schmidt  
J. Chem. Soc. Dalton Trans. **1995**, 1951-1956  
Synthesis and Structure of Bis(phosphaallyl) Complexes with Two-co-ordinate Phosphorus
623. J. Storre, Th. Belgardt, D. Stalke, H.W. Roesky  
Angew. Chem. **1994**, 106, 1365-1366; Angew. Chem. Int. Ed. Engl. **1994**, 33, 1244-1246  
Synthesis and Structure of the First Organometallic Galloxane Hydroxide  $Mes_6Ga_6O_4(OH)_4$
624. Th. Belgardt, S.D. Waezsada, H.W. Roesky, H. Gornitzka, L. Häming, D. Stalke  
Inorg. Chem. **1994**, 33, 6247-6251  
Synthesis and Characterization of (Pentafluorophenyl)amino-Based Amino- and Iminometallanes. Crystal Structures of  $(MeAlNC_6F_5)_4$  and  $NHC_6F_5Ga(MesGa)_3(\mu_3-NC_6F_5)_4$  (Mes = 2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)
625. H. Voelker, S. Freitag, U. Pieper, H.W. Roesky  
Z. Anorg. Allg. Chem. **1995**, 621, 694-698  
Synthesis of the New Silanediylidiphosphinite  $tBu_2Si(OPPh_2)_2$  and its Reactions with the Norbornadiene Complexes  $C_7H_8M(CO)_4$  (M = Cr, Mo, W).  
Crystal Structures of  $cis-M(CO)_4[tBu_2Si(OPPh_2)_2]$  (M = Cr, Mo)
626. H.W. Roesky, A. Herzog, F.-Q. Liu  
J. Fluorine Chem. **1995**, 72, 183-185  
Organometallic fluorides
627. Th. Lübben, M. Witt, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **1995**, 34, 4275-4277

## Publikationen H. W. Roesky 1963 bis 2020

Synthesis and Structural Characterization of a Novel Metalladithiatriazine Containing Sulfur and Molybdenum in High Oxidation States

628. J.-Th. Ahlemann, H. W. Roesky, L.N.Markovsky, V.M. Timoshenko, Y.G Shermolovich  
Heteroatom Chem. **1995**, *6*, 9-13  
N-Alkyl-C-polyfluoroalkyl-C-chlorosulfinimides  
 $R_F C(Cl)=S=N-R$
629. K. Köhler, A. Steiner, H.W. Roesky  
Z. Naturforsch. **1995**, *50b*, 1207-1209  
Die Kristallstrukturen von  $(\eta^5-C_5Me_5)MoMe_4$  and  $(\eta^5-C_5Me_5)WMe_4$
630. H.W. Roesky, K. Keller  
Deutsches Patent P 33 09 515.9 **1983**  
Verfahren zur Herstellung von 3,5-Dicyan-1,2,4-thiadiazol sowie diese Verbindung selbst
631. H.W. Roesky, A. Herzog, H.-F. Herrmann, F. Küber  
Deutsches Patent P 43 32 009.0 **1993**  
Verfahren zur Herstellung von Organometallfluoriden
632. H.W. Roesky, N. Winkhofer  
Deutsches Patent P 42 03 156.7 **1992**  
Monomeres tert.-Butyl-silantriol und sein Kondensationsprodukt mit Rheniumheptoxid
633. R. Murugavel, V. Chandrasekhar, A. Voigt, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Organometallics **1995**, *14*, 5298-5301  
New Lipophilic Air-Stable Silanetriols: First Example of an X-ray Crystal Structure of a Silanetriol with Si-N bonds
634. A. Klemp, I. Usón, J.-Th. Ahlemann, Th. Belgardt, J. Storre, H.W. Roesky  
Main Group Chemistry **1995**, *1*, 127-138  
Synthesis and Structure of Metal-Containing Eight- and Twelve-Membered M-N-C-O-Heterocycles (M = Al, Ga, In)
635. F.-Q. Liu, D. Stalke, H.W. Roesky  
Angew. Chem. **1995**, *107*, 2004-2006  
Angew. Chem. Int. Ed. Engl. **1995**, *34*, 1872-1874  
 $(C_5Me_5)TiF_2$  - ein vielseitiger Baustein zur Bildung von großen löslichen Dimetallaggregaten
636. J. Gindl, F.-Q. Liu, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

Inorg. Chem. **1995**, *34*, 5711-5714  
Carboxylates of Organotitanium Fluorides: Preparation of Cp- and Cp\*- Fluorotitanium Trifluoroacetates and Pentafluorobenzoates

637. A. Künzel, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Chem. Soc., Chem. Commun. **1995**, 2145-2146  
Intercalation of Oxide into  $[\text{Zr}(\text{C}_5\text{Me}_5)\text{F}_3]$
638. Th. Belgardt, J. Storre, A. Klemp, H. Gornitzka, L. Häming, H.-G. Schmidt, H.W. Roesky  
J. Chem. Soc. Dalton Trans. **1995**, 3747-3751  
Synthesis and Characterization of New Dimeric Aminoalanes
639. M.L. Montero, A. Voigt, M. Teichert, I. Usón, H.W. Roesky  
Angew. Chem. **1995**, *107*, 2761-2763  
Lösliche Alumosilicate mit Grundgerüsten von Mineralien  
Angew. Chem. Int. Ed. Engl. **1995**, *34*, 2504-2506  
Alumino-Soluble Silicates with Frameworks of Minerals
640. K. Wraage, A. Künzel, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky  
Angew. Chem. **1995**, *107*, 2954 - 2956  
Synthese und Strukturen von Tri- und Tetraaminosilanen  
Angew. Chem. Int. Ed. Engl. **1995**, *34*, 2645 - 2647  
Synthesis and Structures of Triamino- and Teraaminosilanen
641. K. Köhler, A. Herzog, A. Steiner, H.W. Roesky  
Angew.Chem.**1996**, *108*, 331 - 333  
Synthese und Struktur der ersten Cyclopentadienyl(halogeno)metall(VI) Komplexes der Chromtriade  $[(\eta^5\text{-C}_5\text{Me}_5)\text{WF}_5]$   
Angew. Chem. Int. Ed. Engl. **1996**, *35*, 295 - 297  
Synthesis and Structure of the First Cyclopentadienyl(halogeno)metal(VI) Complex of the Chromium Triad  $[(\eta^5\text{-C}_5\text{Me}_5)\text{WF}_5]$
642. A. Herzog, H.W. Roesky, F. Jäger, A. Steiner  
Chem. Commun. **1996**, 29 - 30  
2,4,6-Trimethylpyridine-bishydrofluoride: a novel fluorinating reagent for organo transition-metal alkyls
643. F.-Q. Liu, A. Herzog, H.W. Roesky, I. Usón  
Inorg. Chem. **1996**, *35*, 741 - 744  
Syntheses and Properties of Cyclopentadienyl-Substituted Imidotitanium Fluorides
644. A. Herzog, H.W. Roesky, F. Jäger, A. Steiner, M. Noltemeyer

## Publikationen H. W. Roesky 1963 bis 2020

Organometallics **1996**, *15*, 909 - 917  
Reactions of ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)ZrF<sub>3</sub>, ( $\eta^5$ -C<sub>5</sub>Me<sub>4</sub>Et) ZrF<sub>3</sub>, ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)<sub>2</sub>ZrF<sub>2</sub>, ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)HfF<sub>3</sub>, and ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)TaF<sub>4</sub> with AlMe<sub>3</sub>. Structure of the First Hafnium-Aluminum-Carbon Cluster.

645. V. Chandrasekhar, R. Murugavel, A. Voigt, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Organometallics **1996**, *15*, 918 - 922  
Cyclic and Polyhedral Aluminosiloxanes with Al<sub>2</sub>Si<sub>2</sub>O<sub>4</sub>, Al<sub>4</sub>Si<sub>2</sub>O<sub>6</sub>, and Al<sub>4</sub>Si<sub>4</sub>O<sub>12</sub> Frameworks: X-ray Crystal Structures of [(2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)N(SiMe<sub>3</sub>)Si(OAlBu-*i*)(OAl(Bu-*i*)<sub>2</sub>)O]<sub>2</sub> and [2,6-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)SiO<sub>3</sub>Al • C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>]<sub>4</sub>
646. U. Ritter, N. Winkhofer, H.-G. Schmidt, H.W. Roesky  
Angew. Chem. **1996**, *108*, 591 - 593  
Neue Cobaltkatalysatoren für Hydroformylierungen im Zweiphasensystem  
Angew. Chem. Int. Ed. Engl. **1996**, *35*, 524 - 526  
New Cobalt Catalysts for Hydroformulations in Two-Phase Systems
647. E.F. Murphy, R. Murugavel, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Z. anorg. allgem. Chem. **1996**, *622*, 579 - 582  
Synthesis, Spectroscopic and Structural Characterization of the First Mixed Fluoro-Bromo Group 4 Organometallic Complex [ $\{\text{Cp}^*\text{ZrF}_2\text{Br}\}_4$ ] (Cp\* = C<sub>5</sub>Me<sub>5</sub>)
648. J. Storre, A. Klemp, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer, R. Fleischer, D. Stalke  
J. Am. Chem. Soc. **1996**, *118*, 1380 - 1386  
Hydrolysis of Trimesitylgallium and Trimesitylaluminum: Structures Along a Reaction Pathway
649. R. Murugavel, A. Voigt, V. Chandrasekhar, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Chem. Ber. **1996**, *129*, 391 - 395  
Silanediols Derived from Silanetriols.  
X-ray Crystal Structures of  
(2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)N(SiMe<sub>3</sub>)Si(OSiMe<sub>3</sub>)(OH)<sub>2</sub> and  
(2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)N(SiMe<sub>3</sub>)Si(OSiMe<sub>2</sub>R)(OH)<sub>2</sub>  
[R = CH<sub>2</sub>(2-NH<sub>2</sub>-3,5-Me<sub>2</sub>C<sub>6</sub>H<sub>2</sub>)]
650. A. Künzel, M. Sokolow, F.-Q. Liu, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, I. Usón  
J. Chem. Soc., Dalton Trans. **1996**, 913 - 919  
Synthesis and characterisation of quinonide bridged dinuclear complexes of titanium and zirconium



## Publikationen H. W. Roesky 1963 bis 2020

651. E.F. Murphy, P.Yu, S. Dietrich, H.W. Roesky, E. Parisini, M. Noltemeyer  
J.Chem. Soc., Dalton Trans. **1996**, 1983 - 1987  
Synthesis and spectroscopic characterization of a series of substituted cyclopentadienyl Group 4 fluorides; crystal structure of the acetylacetonato complex [(acac)<sub>2</sub>(η-C<sub>5</sub>Me<sub>5</sub>)Zr(μ-F)SnMe<sub>3</sub>Cl]
652. R. Murugavel, V. Chandrasekhar, H.W. Roesky  
Acc. Chem. Res. **1996**, 29, 183 - 189  
Discrete Silanetriols: Building Blocks for Three-Dimensional Metallasiloxanes
653. K. Köhler, H.W. Roesky, A. Herzog, H. Gornitzka, A. Steiner, I. Usón  
Inorg. Chem. **1996**, 35, 1773 - 1777  
Syntheses, Structures, and Reactivity of a Series of (Pentamethylcyclopentadienyl)molybdenum(V) and -tungsten(V) Imido Complexes
654. A. Voigt, R. Murugavel, V. Chandrasekhar, N. Winkhofer, H.W. Roesky, H.-G. Schmidt, I. Usón  
Organometallics **1996**, 15, 1610 - 1613  
Facile and Rational Route for High-Yield Synthesis of Titanasiloxanes from Aminosilanetriols
655. A. Voigt, R. Murugavel, E. Parisini, H.W. Roesky  
Angew. Chem. **1996**, 108, 823 - 825  
Synthese und Struktur von Galliumsiloxankäfigen: Modellsubstanzen für galliumhaltige Silicate  
Angew. Chem. Int. Ed. Engl. **1996**, 35, 748 - 750  
Synthesis and Structure of Gallium Siloxane Cages: Model Substances for Gallium-Containing Silicates
656. F.-Q. Liu, I. Usón, H.W. Roesky  
Z. anorg. allgem. Chem. **1996**, 622, 819 - 822  
Syntheses and Structure of the first Eight-membered Fluoro and Chloro Hafnium Siloxane Complexes
657. H.W. Roesky, Ch. Kusche  
GIT Fachz. Lab. **1996**, 40(5), 504 - 507  
Chemie en Miniature - ein neuer Weg, chemische Experimente durchzuführen
658. H.W. Roesky, Ch. Kusche  
Chemkon **1996**, 3, 136 - 137

## Publikationen H. W. Roesky 1963 bis 2020

“Chemie en miniature”  
Ein Neuer Weg chemische Experimente vorzuführen

659. A. Voigt, R. Murugavel, U. Ritter, H.W. Roesky  
*J. Organometallic Chem.* **1996**, *521*, 279 - 286  
Infrared and  $^{29}\text{Si}$  NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols
660. B. Solouki, H. Bock, H.W. Roesky  
*Phosphorus, Sulfur, and Silicon* **1996**, *114*, 67 - 74  
Photoelektronen-Spektren und Moleküleigenschaften:  
CLV-Isomere Thionitrosyle:  $\text{H}_3\text{C-N}=\text{S}$  und  $\text{F}_3\text{C-S}\equiv\text{N}$
661. Y. Yang, H.-G. Schmidt, M. Noltemeyer, J. Pinkas, H.W. Roesky  
*J. Chem. Soc., Dalton Trans.* **1996**, 3609 - 3610  
Synthesis and Structure of an organic-soluble cage aluminophosphate
662. H.W. Roesky, C. Kusche  
*Praxis der Naturwissenschaften - Chemie*  
Aulis Verlag Deubner & Co KG, Köln  
**1996**, *5/45*, 39 - 40  
Chemie en Miniature - Ein neuer Weg chemische Experimente durchzuführen
663. H. S. Park, M. Mokhtari, H.W. Roesky  
*Advanced Materials, Chem. Vap. Deposition* **1996**, *2(4)*, 139  
 $\text{Cd}(\text{SeR}_f)_2$  ( $\text{R}_f=2,4,6\text{-(CF}_3)_3\text{C}_6\text{H}_2$ ) - An Improved CVD Single Source Precursor for II-VI Semiconductors: Synthesis, Growth and Characterization
664. D. Stalke, F.-Q. Liu, H.W. Roesky  
*Polyhedron* **1996**, *15*, 2841 - 2843  
Synthesis and X-ray crystal structure of an asymmetric mixed metal [ $\{\eta^5\text{-C}_5\text{H}_4\text{SiMe}_3\}\text{TiF}_2\}_5\text{AlF}_3(\text{THF})$ ] complex containing an  $\text{AlTi}_5\text{F}_{13}$  core
665. S. A.A. Shah, H. Dorn, A. Voigt, H.W. Roesky, E. Parisini, H.-G. Schmidt, M. Noltemeyer  
*Organometallics* **1996**, *15*, 3176 - 3181  
Group 4 Metal Amido Fluorides and Chlorides: Molecular Structures and the First Comparison in Ethylene Polymerization Catalysis
666. F.-Q. Liu, A. Künzel, A. Herzog, H.W. Roesky, M. Noltemeyer, R. Fleischer, D. Stalke  
*Polyhedron* **1997**, *16*, 61 - 65  
Synthesis and structures of paramagnetic organo titanium fluoride clusters

## Publikationen H. W. Roesky 1963 bis 2020

667. M.G. Walawalkar, R. Murugavel, H.W. Roesky  
Eur. J. Solid State Inorg. Chem. **1996**, 33, 943 - 955  
Organometallic fluorides
668. R. Murugavel, A. Voigt, M.G. Walawalkar, H.W. Roesky  
Chem. Rev. **1996**, 96, 2205 - 2236  
Hetero- and Metallasiloxanes Derived from Silanediols,  
Disilanols, Silanetriols, and Trisilanols
669. H.W. Roesky, C. Kusche  
Praxis der Naturwissenschaften-Chemie **1996**, 6/45, 40 - 41  
Spektakuläre Experimente  
Teil 7: Chemie en Miniature (II) - Ein neuer Weg,  
chemische Experimente durchzuführen
670. R. Murugavel, P. Böttcher, A. Voigt, M.G. Walawalkar,  
H.W. Roesky, E. Parisini, M. Teichert, M. Noltemeyer  
Chem. Commun. **1996**, 2417 - 2418  
An efficient synthetic route to primary and secondary  
condensation products of silanetriols starting from  
(arylamino)trichlorosilanes
671. M. Mokhtari, H.S. Park, H.W. Roesky, S.E. Johnson, W.  
Bolse, J. Conrad, W. Plass  
Chem. Eur. J. **1996**, 2, 1269 - 1274  
Processing of Blue Boron Nitride Thin Films with a Solid -  
Gas Reaction
672. S.A.A.Shah, H. Dorn, H.W. Roesky, E. Parisini, H.-G.  
Schmidt, M. Noltemeyer  
J. Chem. Soc., Dalton Trans., **1996**, 4143 - 4146  
Derivatives of Group 4 metal amide chlorides and fluorides:  
synthesis, structure and characterization of novel dimethyl  
and fluoro-chloro complexes
673. H. Dorn, S.A.A.Shah, E. Parisini, M. Noltemeyer, H.-G.  
Schmidt, H.W. Roesky  
Inorg. Chem. **1996**, 35, 7181-7184  
Organometallic Fluorides of Zirconium and Hafnium in the  
Synthesis of Carboxylate Complexes: Molecular Structures  
of [ $\{\eta^5\text{-C}_5\text{Me}_5\}\text{ZrF}(\text{OCOCF}_3)_2\}_2$ ] and [ $(\eta^5\text{-C}_5\text{Me}_5)_2\text{Zr}(\text{OCOCF}_3)_2$ ]
674. J-Th. Ahlemann, A. Künzel, H.W. Roesky, M. Noltemeyer,  
L. Markovskii, H.-G. Schmidt  
Inorg. Chem. **1996**, 35, 6644 - 6645  
Synthesis and Structure of the First Stable Iminoarsane
675. A. Voigt, R. Murugavel, H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

- Organometallics **1996**, *15*, 5097 - 5101  
Stannasiloxanes with Acrylic, Bicyclic, and Cubic Core Structures: X-ray Crystal Structure of the Bicyclic Compound [RSi(OSnPh<sub>2</sub>O)<sub>3</sub>SiR] (R = (2,6-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)NSiMe<sub>3</sub>)
676. S. Schulz, A. Voigt, H.W. Roesky, L. Häming, R. Herbst-Irmer  
Organometallics **1996**, *15*, 5252 - 5253  
Synthesis of Dimeric Iminoalanes by Oxidative Addition of Azides to (Cp\*Al)<sub>4</sub>: Structural Characterization of (Cp\*AlNSi<sup>t</sup>Bu<sub>3</sub>)<sub>2</sub> (Cp\* = C<sub>5</sub>Me<sub>5</sub>)
677. U. Ritter, N. Winkhofer, R. Murugavel, A. Voigt, D. Stalke, H.W. Roesky  
J. Am. Chem. Soc. **1996**, *118*, 8580 - 8587  
Cubic Group 13 Heterosiloxanes with Four Co<sub>3</sub>(CO)<sub>9</sub>C Cluster Units as Substituents: Novel Soluble Model Compounds For Synthetic Zeolites Showing Catalytic Activity in Hydroformylation Reactions
678. M. Mokhtari, H.S. Park, S.E. Johnson, W. Bolse, H.W. Roesky  
Chem. Mater. **1997**, *9*, 23 - 27  
Improvement of Boron-Rich Boronitride Adhesion through Titanium Boronitride on Glass Surfaces and Optical Fibers by Diammonium Hexafluorotitanate(IV) and Borazine
679. S.A.A.Shah, H.W. Roesky, P. Lubini, H.-G. Schmidt  
Acta Cryst. **1996**, *C52*, 2810 - 2811  
1,3-Bis(2,6-diisopropylphenyl)-2,2,4,4-tetramethyl-1,3-diaza-2,4-disilacyclobutane
680. U.Ritter, N. Winkhofer, H.W. Roesky  
Deutsches Patent DE 195 21 936 C 1, **1996**  
Cobaltcarbonylkatalysator, Verfahren zu seiner Herstellung und seine Verwendung zur Hydroformulierung
681. P. Yu, E.F. Murphy, H.W. Roesky, P. Lubini, H.-G. Schmidt, M. Noltemeyer  
Organometallics **1997**, *16*, 313 - 316  
New Fluoride Derivative of a Dinuclear Titanium(III) Fulvalene Complex: Crystal Structure of [( $\eta^5$ -C<sub>5</sub>H<sub>5</sub>)Ti( $\mu$ -F)]<sub>2</sub>-( $\mu$ - $\eta^5$ : $\eta^5$ -C<sub>10</sub>H<sub>8</sub>)
682. C. Rennekamp, A. Gouzyr, A. Klemp, H.W. Roesky, Ch. Brönneke, J. Kärcher, R. Herbst-Irmer  
Angew. Chem. **1997**, *109*, 413 - 415  
Synthese und Struktur der ersten Si-Al-NH-Käfigverbindung aus einem stabilen Triaminosilan und Trimethylaluminium  
Angew. Chem. Int. Ed. **1997**, *36*, 404 - 405

## Publikationen H. W. Roesky 1963 bis 2020

Synthesis and Structure of the First Si-Al-NH Cage Compound from a Stable Triaminosilane and Trimethylaluminum

683. F. Jäger, H.W. Roesky, H. Dorn, S. Shah, M. Noltemeyer, H.-G. Schmidt  
Chem. Ber./Recueil **1997**, *130*, 399 - 403  
Metallacyclodisiladiazanes of Titanium and Zirconium; Synthesis, Structure and Polymerization Studies
684. H.W. Roesky, Ch. Kusche  
Chemie in unserer Zeit **1997**, *31/1*, 17 - 19  
Nachweisreaktionen mit Indikatorstäbchen  
Chemie en miniature in der qualitativen Analyse
685. A. Voigt, R. Murugavel, M.L. Montero, H. Wessel, F.-Q. Liu, H.W. Roesky, I. Usón, Th. Albers, E. Parisini  
Angew. Chem. **1997**, *109*, 1020 - 1022  
Lösliche, molekulare Titanosilicate  
Angew. Chem. Int. Ed. **1997**, *36*, 1001 - 1003  
Soluble Molecular Titanosilicates
686. H.W. Roesky  
Journal of Chemical Education **1997**, *74*, 399 - 400  
Chemistry "en Miniature"
687. M.L. Montero, H. Wessel, H.W. Roesky, M. Teichert, I. Usón  
Angew. Chem. **1997**, *109*, 644 - 647  
Über die Reaktion primärer und sekundärer Amine mit  $\text{LiAlH}_4$  und  $\text{Na}(\text{AlHET}_3)$   
Angew. Chem. Int. Ed. Engl. **1997**, *36*, 629 - 631  
The Reaction of Primary and Secondary Amines  $\text{LiAlH}_4$  and  $\text{Na}(\text{AlHET}_3)$
688. R. Murugavel, H.W. Roesky  
Angew. Chem. **1997**, *109*, 491 - 494  
Titanosilicate: neue Entwicklungen in der Synthese und bei der Anwendung als Oxidationskatalysatoren  
Angew. Chem. Int. Ed. Engl. **1997**, *36*, 477 - 479  
Titanosilicates: Recent Developments in Synthesis and Use as Oxidation Catalysts
689. H. Wessel, C. Rennekamp, S.-D. Waezsada, H.W. Roesky, M.L. Montero, I. Usón  
Organometallics **1997**, *16*, 3243-3245  
Isostructural Molecular Amino- and Oxoaminoalumosilicates
690. S. Horchler, E. Parisini, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer

## Publikationen H. W. Roesky 1963 bis 2020

J. Chem. Soc., Dalton Trans. **1997**, 2761 - 2763  
Synthesis and structure of an anionic aluminium-nitrogen compound containing a ladder-shaped core

691. A. Künzel, E. Parisini, H.W. Roesky, G.M. Sheldrick  
J. Organomet. Chem. **1997**, 563 - 537, 177 - 180  
Synthesis and characterisation of trifluoro( $\eta^5$ -*n*-propyltetramethylcyclopentadienyl)metal(IV)-compounds of the elements of Group IV
692. J.-T. Ahlemann, H.W. Roesky, R. Murugavel, E. Parisini, M. Noltemeyer, H.-G. Schmidt, O. Müller, R. Herbst-Irmer, L.N. Markovskii, Y.G. Shermolovich  
Chem. Ber./Recueil **1997**, 130, 1113 - 1121  
The Role of the 2,4,6-Tris(trifluoromethyl)phenylamino Group in Stabilizing New Phosphorus-, Arsenic-, and Germanium-Containing Main-Group Compounds and Transition-Metal Derivatives
693. J. Storre, A. Klemp, H.W. Roesky, R. Fleischer, D. Stalke  
Organometallics **1997**, 16, 3074 - 3076  
Synthesis and Characterization of (MesGaO)<sub>9</sub> (Mes = Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>) and Crystal Structure of the First Galloxane Comparable to Catalytically Active Aluminum Compounds
694. C.J. Carmalt, A.H. Cowley, R.D. Culp, R.A. Jones, Y.-M. Sun, B. Fitts, S. Whaley, H.W. Roesky  
Inorg. Chem. **1997**, 36, 3108 - 3112  
Monomeric Titanium(IV) Azides as a New Route to Titanium Nitride
695. A.I. Gouzyr, H. Wessel, C.E. Barnes, H.W. Roesky, M. Teichert, I. Usón  
Inorg. Chem. **1997**, 36, 3392 - 3393  
Formation of a Tantalum Siloxane Cage Complex in the Reaction of ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)TaMe<sub>4</sub> with a Silanetriol
696. M. Witt, H.W. Roesky, M. Noltemeyer  
Inorg. Chem. **1997**, 36, 3476 - 3479  
Synthesis and Structural Characterization of P-Functionalized Metallacycloposphazenes
697. A. Pevec, A. Demsar, V. Gramlich, S. Petricek, H.W. Roesky  
J. Chem. Soc., Dalton Trans. **1997**, 2215 - 2216  
Reactions of molecular CaF<sub>2</sub> with [(C<sub>5</sub>Me<sub>5</sub>)TiF<sub>3</sub>] and [(C<sub>5</sub>Me<sub>4</sub>Et)TiF<sub>3</sub>]: symbiosis between ionic solids and organometallic compounds
698. J. Storre, Ch. Schnitter, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer, R. Fleischer, D. Stalke

## Publikationen H. W. Roesky 1963 bis 2020

J. Am. Chem. Soc. **1997**, *119*, 7505 - 7513  
A Novel Approach for the Stabilization and Structural  
Characterization of Group 13 Organometallic Hydroxides:  
The Way to Well Defined Crystalline Methylalumoxanes

699. P. Yu, H.W. Roesky, A. Demsar, Th. Albers, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. **1997**, *109*, 1846 - 1847  
Aktivierung von Ti-F-Bindungen in [ $\{(C_5Me_5)TiOF\}_4$ ] und [ $\{(C_5Me_4Et)TiOF\}_4$ ] mit  $AlMe_3$   
Angew. Chem. Int. Ed. Engl. **1997**, *36*, 1766 - 1767  
Activation of Ti-F Bonds in [ $\{(C_5Me_5)TiF\}_4$ ] and [ $\{(C_5Me_4Et)TiOF\}_4$ ] with  $AlMe_3$
700. H.W. Roesky  
Chemie Heute **1997**, *98*, 112 - 115  
Mit der Zeit gehen? Chemie en miniature
701. S.D. Waezsada, F.-Qu. Liu, C.E. Barnes, H.W. Roesky, M.L. Montero, I. Usón  
Angew. Chem. **1997**, *109*, 2738 - 2739  
Synthesen und Strukturen von Aluminium-Fluor-Sauerstoff-Clustern  
Angew. Chem. Int. Ed. Engl. **1997**, *36*, 2625 - 2626  
Synthesis and Structure of Aluminum-Fluorine-Oxygen Clusters
702. Ch. Schnitter, H.W. Roesky, Th. Albers, H.-G. Schmidt, C. Röpken, E. Parisini, G.M. Sheldrick  
Chem. Eur. J. **1997**, *3*, 1783 - 1792  
Synthesis, Structure and Hydrolysis Studies of Dimethyltris(trimethylsilyl)methylmetallanes of Aluminium and Gallium
703. G. Beer, H.W. Roesky  
Georgia Augusta - Nachrichten aus der Universität Göttingen Nov. **1997**, 31 -35  
Museum der Göttinger Chemie
704. P. Böttcher, K. Wraage, H.W. Roesky, M. Lanfranchi, A. Tiripicchio  
Chem. Ber./Recueil **1997**, *130*, 1787 - 1790  
Synthesis of the Diazadisilatitanacyclopentane  $RSi(NH_2)NHTiMe(cp^*)NHSi(NH_2)R$  ( $R = PhNSiMe_3$ ,  $cp^* = \eta^5-C_5Me_5$ )
705. A. Voigt, M.G. Walwalkar, R. Murugavel, H.W. Roesky, E. Parisini, P. Lubini  
Angew. Chem. **1997**, *109*, 2313 - 2315  
In organischen Solventien lösliche neutrale und ionische Indiumsiloan-Käfigverbindungen: potentielle Vorstufen indiumhaltiger Silicate

## Publikationen H. W. Roesky 1963 bis 2020

Angew. Chem. Int. Ed. Engl. **1997**, *36*, 2203 - 2205  
Organic-Soluble Neutral and Ionic Indium Siloxane cages:  
Potential Precursors for Indium-Containing Silicates

706. E.G. Iljin, H.W. Roesky, G.G. Aleksandrov, V.V. Kovalev,  
A.V. Sergeev, V.G. Yagodin, V.S. Sergienko, R.N.  
Shchelokov, Yu.A. Buslaev  
Doklady Physical Chemistry **1997**, *355*, 229 - 232  
Synthesis of Molecular Complexes of Zirconium  
Tetrafluoride with Organic Ligands from  $ZrF_4 \cdot H_2O$ : Crystal  
Structure of  $[ZrF_4(dmsO)]_2$
707. M.G. Walawalkar, R. Murugavel, H.W. Roesky, H.-G.  
Schmidt  
Organometallics **1997**, *16*, 516 - 518  
The First Molecular Borophosphonate Cage: Synthesis,  
Spectroscopy, and Single-Crystal X-ray Structure
708. W. Kaminsky, S. Lenk, V. Scholz, H.W. Roesky, A. Herzog  
Macromolecules **1997**, *30*, 7647 - 7650  
Fluorinated half-sandwich complexes as catalysts in  
syndiospecific styrene polymerization
709. S.A.A. Shah, H. Dorn, H.W. Roesky, P. Lubini, H.-G.  
Schmidt  
Inorg. Chem. **1997**, *36*, 1102 - 1106  
Novel Cyclopentadienyl-Free Organolanthanides: The First  
Examples of Five-Membered Amidolanthanide Heterocycles
710. H. Dorn, E.F. Murphy, S.A.A. Shah, H.W. Roesky  
J. Fluorine Chem. **1997**, *86*, 121 - 125  
Organometallic fluorides of the lanthanide and actinide  
elements
711. A. Voigt, R. Murugavel, H.W. Roesky, H.-G. Schmidt  
J. Molecular Structure **1997**, *436 - 437*, 49 - 57  
Syntheses, spectroscopy and crystal structures of new group  
4 metallasiloxanes
712. H.W. Roesky, R. Siefken  
Z. Anorg. Allg. Chem. **1998**, *624*, 171 - 172  
Synthese von  $[SiW_{11}O_{39}MF]^{5-}$  (M = Zr, Hf) - den ersten  
Heteropolyoxowolframaten mit terminal gebundenem Fluor  
(Synthesis of  $[SiW_{11}O_{39}MF]^{5-}$  (M = Zr, Hf) - the First  
Heteropolyoxotungstates with Terminal Bonded Fluorine)
713. Y. Yang, M.G. Walawalkar, J. Pinkas, H.W. Roesky, H.-G.  
Schmidt  
Angew. Chem. **1998**, *110*, 101 - 103



## Publikationen H. W. Roesky 1963 bis 2020

Molekulares Aluminophosphonat: isotype Modellverbindung für die sekundäre Doppel-6-Ring(D6R)-Baueinheit von Zeolithen  
Angew. Chem. Int. Ed. **1998**, 37, 96 - 98  
Molecular Aluminophosphonate: Model Compound for the Isoelectronic Double-Six-Ring(D6R) Secondary Building Unit of Zeolites

714. S.K. Pandey, A. Steiner, H.W. Roesky  
Inorg. Synth. **1997**, 31, 148 - 150  
Arsenic(III) Chloride
715. E.F. Murphy, R. Murugavel, H.W. Roesky  
Chem. Rev. **1997**, 97, 3425 - 3468  
Organometallic Fluorides: Compounds Containing Carbon-Metal-Fluorine Fragments of d-Block Metals
716. G. Mloston, M. Celeda, H.W. Roesky, E. Parasini, J.-T. Ahlemann  
Eur. J. Org. Chem. **1998**, 459 - 465  
Reactions of Thioketones with a Fluorinated Thione *S*-Imide
717. S.A.A. Shah, H. Dorn, J. Gindl, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky  
J. Organometal. Chem. **1998**, 550, 1 - 6  
Synthesis and structural characterization of sulfonates, phosphinates and carboxylates of organometallic Group 4 metal fluorides
718. H. Wessel, M.L. Montero, C. Rennekamp, H.W. Roesky, P. Yu, I. Usón  
Angew. Chem. **1998**, 110, 862 - 863  
Bildung adamantanartiger Strukturen durch Reaktion von Titanocenfluoriden mit einem Iminoalan  
Angew. Chem. Int. Ed. **1998**, 37, 843 - 845  
Formation of Adamantane-Like Structures by Reaction of Titanocene Fluorides with an Iminoalane
719. J.-T. Ahlemann, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, L.N. Markowsky, J.G. Shermolovich  
J. Fluorine Chem. **1998**, 87, 87 - 90  
Preparation and reactions of 2,4,6-tris(trifluoromethyl)phenylamine
720. B. Räge, H.W. Roesky, I. Usón, P. Müller  
Angew. Chem. **1998**, 110, 1508-1510  
Synthese und Struktur von(CH<sub>3</sub>Si)<sub>6</sub>(NH)<sub>9</sub>: ein offener Si-N-Käfig aus Methyltrichlorsilan und Ammoniak  
Angew. Chem. Int. Ed. **1998**, 37, 1432-1433  
Synthesis and Structure of (CH<sub>3</sub>Si)<sub>6</sub>(NH)<sub>9</sub>: A Si-N Cage Made from Methyltrichlorosilane and Ammonia

## Publikationen H. W. Roesky 1963 bis 2020

721. H.W. Roesky, K. Keller  
J. Fluorine Chem. **1998**, *89*, 3-4  
Trimethyltin fluoride: A new fluorinating reagent for the preparation of silicon fluorides
722. H. Dorn, S.A.A. Shah, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky  
J. Fluorine Chem. **1998**, *88*, 195 - 199  
Synthesis and catalytic properties of novel zirconium fluoro-sulfonato and bis(sulfonato) complexes: crystal structure of  $[(\eta^5\text{-C}_5\text{Me}_5)_2\text{Zr}(\text{OSO}_2\text{CF}_3)_2]$
723. H. Wessel, C. Rennekamp, H.W. Roesky, M.L. Montero, P. Müller, I. Usón  
Organometallics **1998**, *17*, 1919-1921  
Reactions of Group 4 Metal Cyclopentadienyl Trifluorides with a Trimeric Iminoalane
724. J. Pinkas, H. Wessel, Y. Yang, M.L. Montero, M. Noltemeyer, M. Fröba, H.W. Roesky  
Inorg. Chem. **1998**, *37*, 2450-2457  
Reactions of Phosphoric Acid Triesters with Aluminum and Gallium Amides
725. S.D. Waezsada, C. Rennekamp, H.W. Roesky, E. Parisini  
Z. Anorg. Allg. Chem. **1998**, *624*, 987-990  
Neue Aminometallane des Aluminiums und Galliums
726. Ch. Schnitter, K. Klimek, H.W. Roesky, Th. Albers, H.-G. Schmidt, C. Röpken, E. Parisini  
Organometallics **1998**, *17*, 2249-2257  
Synthesis and Characterization of Tris(trimethylsilyl)methyl Halide Derivatives of Aluminum: Potential Precursors for Low-Valent Aluminum Compounds: Crystal Structures of  $[\{(\text{Me}_3\text{Si})_3\text{CAIF}_2\}_3]$ ,  $[(\text{Me}_3\text{Si})_3\text{CAIX}_2\cdot\text{THF}]$  (X = Cl, Br, I), and  $[\{(\text{THF})_2\text{K}(\text{Me}_3\text{Si})_3\text{CAIF}_2(\mu\text{-F})\text{F}_2\text{AlC}(\text{SiMe}_3)_3\}_2]$
727. P. Yu, M.L. Montero, C.E. Barnes, H.W. Roesky, I. Usón  
Inorg. Chem. **1998**, *37*, 2595-2597  
Formation of  $[\text{Cp}_2\text{Ti}(\mu_2\text{-F})\text{AlEt}_2]_2$  and  $[\text{Cp}(\text{C}_5\text{H}_4)\text{Ti}(\mu_2\text{-H})\text{AlEt}_2]_2$  in the Reaction of  $\text{Cp}_2\text{TiF}_2$  with  $\text{AlEt}_3$ . Structure of  $[\text{Cp}_2\text{Ti}(\mu\text{-F})_2\text{AlEt}_2]_2$
728. M.G. Walawalkar, S. Horchler, S. Dietrich, D. Chakraborty, H.W. Roesky, M. Schäfer, H.-G. Schmidt, G.M. Sheldrick  
Organometallics **1997**, *17*, 2865 - 2868  
Novel Organic-Soluble Molecular Titanophosphonates with Cage Structures Comparable to Titanium-Containing Silicates

## Publikationen H. W. Roesky 1963 bis 2020

729. M. Walawalkar, R. Murugavel, A. Voigt, H.W. Roesky, H.-G. Schmidt  
J. Am. Chem. Soc. **1997**, *119*, 4656 - 4661  
A Novel Molecular Gallium Phosphonate Cage Containing Sandwiched Lithium Ions: Synthesis, Structure, and Reactivity
730. Ch. Schnitter, H.W. Roesky, C. Röpken, R. Herbst-Irmer, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. **1998**, *110*, 2059 - 2062  
Das Verhalten von [RAIX<sub>2</sub>•THF]-Verbindungen unter reduktiven Bedingungen: Tetrakis[tris(trimethylsilyl)-methylaluminium(I)] - eine neutrale Aluminium(I) - Verbindung mit  $\sigma$ -gebundenen Alkylresten und tetraedrischer Struktur  
Angew. Chem. Int. Ed. **1998**, *37*, 1952 - 1955  
The Behavior of [RAIX<sub>2</sub>•THF] Compounds under Reductive Conditions: Tetrakis[tris(trimethylsilyl)-methylaluminum(I)] - A Neutral Aluminum(I) Compound with  $\sigma$ -Bound Alkyl Groups and a Tetrahedral Structure
731. S.D. Waezsada, F.-Q. Liu, E.F. Murphy, H.W. Roesky, M. Teichert, I. Usón, H.-G. Schmidt, Th. Albers, E. Parasini, M. Noltemeyer  
Organometallics, **1997**, *16*, 1260 - 1264  
Aminodimethylalanes (R<sup>1</sup>R<sup>2</sup>NAI Me<sub>2</sub>) as Useful Synthetic Precursors of Aminoalane Difluorides Using Trimethyltin Fluoride: Crystal Structures of (2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)AlMe<sub>2</sub> and (2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)AlF<sub>2</sub>
732. H.S. Park, S.D. Waezsada, A.H. Cowley, H.W. Roesky  
Chem. Mater. **1998**, *10*, 2251 - 2257  
Growth of GaN Layer from the Single-Source Precursor (Et<sub>2</sub>GaNH<sub>2</sub>)<sub>3</sub>
733. A. Klemp, H.W. Roesky, H.-G. Schmidt, H.S. Park, M. Noltemeyer  
Organometallics **1998**, *17*, 5225 - 5227  
A Polyhedral Magnesium Silicate with a Mg<sub>5</sub>Si<sub>4</sub>O<sub>10</sub> Framework: X-ray Crystal Structure of [ {(2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)SiO<sub>3</sub> }<sub>2</sub>-{(2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)SiO<sub>2</sub>(OH)<sub>2</sub>(Mg•C<sub>4</sub>H<sub>8</sub>O)<sub>5</sub> ]
734. Y. Yang, J. Pinkas, M. Schäfer, H.W. Roesky  
Angew. Chem. **1998**, *110*, 2795 - 2798  
Ein molekulares Modell für Alumophosphate mit Fluorid als strukturdirigierendem und mineralisierendem Agens;  
Angew. Chem. Int. Ed. **1998**, *37*, 2650 - 2653  
Molecular Model for Aluminophosphates Containing Fluoride as a Structure-Directing and Mineralizing Agent

## Publikationen H. W. Roesky 1963 bis 2020

735. S.A.A. Shah, R. Murugavel, H.W. Roesky, H.-G. Schmidt  
Bulletin of the Polish Academy of Sciences **1998**, *46*, 157 - 166  
Synthesis and Reactivity of Cyclopentadienyl-Free Organolanthanides: Reactions with Group 13 Complexes
736. H.W. Roesky, H.S. Park  
Bulletin of the Polish Academy of Sciences **1998**, *46*, 285 - 288  
From Molecular Precursors to New Materials
737. H. Hatop, H.W. Roesky, Th. Labahn, C. Röpken, G.M. Sheldrick, M. Bhattacharjee  
Organometallics **1998**, *17*, 4326 - 4328  
Formation of Very Weakly Interacting Organometallic Cation-Anion Systems Using Pearson's HSAB Concept: Synthesis and Structures of  
 $[\text{Ag}(\text{Toluene})_3]^+ [ \{ ((\text{SiMe}_3)_3\text{C})_2\text{Al}_2\text{F}_5 \}_2\text{Li} ]^-$  and  
 $[\text{AlF}_2(\text{THF})_4]^+ [ \{ (\text{SiMe}_3)_3\text{C} \}_2\text{Al}_2\text{F}_5 ]^-$
738. C. Rennekamp, H. Wessel, H.W. Roesky  
Phosphorus, Sulfur and Silicon **1997**, *124 & 125*, 275 - 284  
Access to Iminosilicates from Novel Triaminosilanes - A Short Overview
739. P. Yu, Th. Pape, I. Usón, M.A. Said, H.W. Roesky, M.L. Montero, H.-G. Schmidt, A. Demsar  
Inorg. Chem. **1998**, *37*, 5117 - 5124  
Reactions with Organotitanoxane Fluorides with  $\text{AlR}_3$  (R = Me, Et,  $\text{CH}_2\text{Ph}$ ) and  $\text{Me}_3\text{SiCl}$ : X-ray Crystal Structures of  
 $[\text{C}_5\text{Me}_5\text{Ti}(\mu\text{-O})]_4\text{F}[(\mu\text{-F})\text{AlMe}_3]_3$ ,  $[\text{C}_5\text{Me}_5\text{Ti}(\mu\text{-O})]_4\text{F}_3[(\mu\text{-F})\text{Al}(\text{CH}_2\text{Ph})_3]$ ,  $[\text{C}_5\text{Me}_5\text{Ti}(\mu\text{-O})\text{Et}]_4$ , and  $(\text{C}_5\text{Me}_5)_4\text{Ti}_4\text{O}_5\text{X}_2$  (X = Cl and F)
740. H.W. Roesky, J. Gindl  
Inorganic Experiments, ed. by J.D. Woolins, VCH Weinheim **1994**, 257 - 260  
Selenium-Nitrogen and Tellurium-Nitrogen Compounds
741. Y. Yang, J. Pinkas, M. Noltemeyer, H.W. Roesky  
Inorg. Chem. **1998**, *37*, 6404 - 6405

## Publikationen H. W. Roesky 1963 bis 2020

Sodium Salt of a Cyclic Aluminophosphate: Model Compound for the Six-Ring Secondary Building Units of Molecular Sieves

742. Ch. Schnitter, A. Klemp, H.W. Roesky, H.-G. Schmidt, C. Röpken, R. Herbst-Irmer, M. Noltemeyer  
Eur. J. Inorg. Chem. **1998**, 2033 - 2039  
Reactions of Dimethyl[tris(trimethylsilyl)methyl]metalanes of Aluminum and Gallium with H<sub>2</sub>S and Elemental Chalcogens - Crystal Structures of [RAl( $\mu$ -S)]<sub>2</sub> • 2 THF, [RGa( $\mu$ <sub>3</sub>-S)]<sub>4</sub>, [{RAl( $\mu$ <sub>3</sub>-S)}<sub>3</sub>MeAl( $\mu$ <sub>3</sub>-S)], [RAlMe( $\mu$ -SeMe)]<sub>2</sub>, and [RGaMe( $\mu$ -TeMe)]<sub>2</sub> [R = C(SiMe<sub>3</sub>)<sub>3</sub>]
743. D. Chakraborty, M. Bhattacharjee, R. Krätzner, R. Siefken, H.W. Roesky, I. Usón, H.-G. Schmidt  
Organometallics **1999**, *18*, 106 - 108  
First Structurally Characterized Organometallic Chloro Oxo-Peroxo Compounds of Molybdenum and Tungsten
744. H. Wessel, H.-S. Park, P. Müller, H.W. Roesky, I. Usón  
Angew. Chem. Int. Ed. **1999**, *38*, 813 - 815  
Angew. Chem. **1999**, *111*, 850 - 852  
[ {MeAl( $\mu$ <sub>2</sub>-F)}<sub>2</sub>N(2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>) ] - A Molecular Al-F-N Cage Compound
745. B.R. Jagirdar, E.F. Murphy, H.W. Roesky  
Progress in Inorganic Chemistry **1999**, *48*, 351 - 455  
Organometallic Fluorides of the Main Group Metals Containing the C - M - F Fragment
746. J. Pinkas, D. Chakraborty, Y. Yang, R. Murugavel, M. Noltemeyer, H.W. Roesky  
Organometallics **1999**, *18*, 523 - 528  
Reactions of Trialkyl Phosphates with Trialkyls of Aluminum and Gallium: New Route to Alumino- and Gallophosphate Compounds via Dealkylsilylation
747. M.G. Walawalkar, H.W. Roesky  
Acc. Chem. Res. **1999**, *32*, 117 - 126  
Molecular Phosphonate Cages: Model Compounds and Starting Materials for Phosphate Materials

## Publikationen H. W. Roesky 1963 bis 2020

748. M. Ferbinteanu, G. Marinescu, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, M. Andruh  
Polyhedron **1998**, *18*, 243 - 248  
 $\{[\text{Co}(\mu\text{-bpe})(\text{bpe})_2(\text{H}_2\text{O}_2)(0.5\text{bpe})(\text{H}_2\text{O})(\text{ClO}_4)]_n\}$ :  
a transition metal-organo network with a novel  
supramolecular architecture (bpe = 1,2-bis(4-pyridyl)ethane)
749. K. Wraage, L. Lameyer, D. Stalke, H.W. Roesky  
Angew. Chem. **1999**, *111*, 542 - 544  
Reaktion von  $\text{RGeBr}_3$  ( $\text{R} = i\text{Pr}_2\text{C}_6\text{H}_3\text{NSiMe}_3$ ) mit Ammoniak  
zu  $(\text{RGe})_2(\text{NH}_2)_4(\text{NH})$ , das terminale  $\text{NH}_2$ -Gruppen aufweist  
Angew. Chem. Int. Ed. **1999**, *38*, 522 -523  
Reaction of  $\text{RGeBr}_3$  ( $\text{R} = i\text{Pr}_2\text{C}_6\text{H}_3\text{NSiMe}_3$ ) with Ammonia  
To Give  $(\text{RGe})_2(\text{NH}_2)_4(\text{NH})$ : A Compound Containing  
Terminal  $\text{NH}_2$  Groups
750. Y. Yang, J. Pinkas, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky  
Angew. Chem. **1999**, *111*, 706 -708  
 $[\text{Zn}_2(\text{thf})_2(\text{EtZn})_6\text{Zn}_4(\mu_4\text{-O})(t\text{BuPO}_3)_8]$ : ein zwölkerniges  
Zinkphosphonat-Aggregat mit einem zentralen  $\text{Zn}(\mu_4\text{-O})$ -  
Baustein  
Angew. Chem. Int. Ed. **1999**, *38*, 664 -666  
 $[\text{Zn}_2(\text{thf})_2(\text{EtZn})_6\text{Zn}_4(\mu_4\text{-O})(t\text{BuPO}_3)_8]$ : A Dedecanuclear  
Zincophosphonate Aggregate with a  $\text{Zn}(\mu_4\text{-O})$  Core
751. M.A. Said, H.W. Roesky, C. Rennekamp, M. Andruh, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. **1999**, *111*, 702 - 705  
Ein funktionalisiertes Heterocuban mit zahlreichen  
intermolekularen Wasserstoffbrückenbindungen  
Angew. Chem. Int. Ed. **1999**, *38*, 661 - 664  
A Functionalized Heterocuban with Extensive Intermolecular  
Hydrogen Bonds
752. O.I. Guzyr, M. Schormann, J. Schimkowiak, H.W. Roesky, Ch. Lehmann, M.G. Walawalkar, R. Murugavel, H.-G. Schmidt, M. Noltemeyer  
Organometallics **1999**, *18*, 832 - 836  
Conversion of Alkyltantalum Chlorides to Fluorides Using  
Trimethyltin Fluoride as a Fluorinating Agent. Crystal  
Structures of  $(p\text{-MeC}_6\text{H}_4\text{CH}_2)_3\text{TaF}_2$ ,  
 $(\text{Me}_3\text{SnCl} \bullet \text{Me}_3\text{SnF} \bullet \text{TaF}_5)_n$ ,  $(\text{Me}_3\text{Si})_2\text{CHTaCl}_4$ ,  
 $\{(\text{Me}_3\text{Si})_2\text{CHTaCl}_4 \bullet [(\text{Me}_3\text{Si})_2\text{CH}]_2\text{Ta}_2\text{Cl}_6(\mu_2\text{-O})\}$ , and  
 $(\text{Me}_3\text{Si})_2\text{CHTaF}_4$

## Publikationen H. W. Roesky 1963 bis 2020

753. R. Siefken, M. Teichert, D. Chakraborty, H.W. Roesky  
Organometallics **1999**, *18*, 2321 - 2325  
Synthesis and Structural Characterization of the First  
Organosoluble Mononuclear Siloxane and Silylamide of  
Molybdenum and Tungsten
754. Ch. Cui, H.W. Roesky, M. Noltemeyer, M.F. Lappert, H.-G.  
Schmidt, H. Hao  
Organometallics **1999**, *18*, 2256 - 2261  
Synthesis and Structures of Mono-(1-aza-allyl) Complexes of  
Aluminum
755. E.F. Murphy, Th. Lübben, A. Herzog, H.W. Roesky, A.  
Demsar, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **1996**, *35*, 23 - 29  
First Mixed Fluoro-Chloro Group 4 Organometallics:  
Synthesis and Spectroscopic and Structural Characterization  
of [ $\{(C_5Me_5)ZrF_2Cl\}_4$ ], [ $\{(C_5Me_5)HfF_2Cl\}_4$ ],  
[ $(C_5Me_5)_4Zr_4(\mu-F)_2(\mu-Cl)_2Cl_4$ ], [ $C_5Me_5)_4Hf_4(\mu-F)_2(\mu-F)_2(\mu-Cl)_2Cl_4$ ], [ $(C_5Me_4Et)_2ZrClF$ ], and [ $(C_5Me_5)_2HfClF$ ]
756. P. Yu, P. Müller, M.A. Said, H.W. Roesky, I. Usón, G. Bai,  
M. Noltemeyer  
Organometallics **1999**, *18*, 1669 - 1674  
Difference in Reactivity of Cyclopentadienyltitanium Fluorides  
and Chlorides Using  $AlR_3$  (R = Me, Et): Syntheses and  
Structures of Ti(III)-F(Cl)-Al Compounds ( $\eta^5$ -  
 $C_5Me_5)_2Ti_2(\mu-Cl)_6Al_2Me_4$ , ( $\eta^5$ - $C_5Me_5)_2Ti_2(\mu-F)_8Al_4Me_8$ ,  
and [ $(\eta^5$ - $C_5H_4Me)_2Ti(\mu-F)_2AlEt_2$ ]
757. K. Wraage, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Eur. J. Inorg. Chem. **1999**, 863 - 867  
Preparation and Structural Investigations of  
(dippNSiMe<sub>3</sub>Si)<sub>2</sub>(Cp\*Ti)<sub>2</sub>(NH)<sub>6</sub> (dipp = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>),  
[dippNSiMe<sub>3</sub>Si(NH<sub>2</sub>)NH]<sub>3</sub> and [dippNSiMe<sub>3</sub>Ge(NH<sub>2</sub>)NH]<sub>3</sub>
758. K. Wraage, Th. Pape, R. Herbst-Irmer, M. Noltemeyer, H.-G.  
Schmidt, H.W. Roesky  
Eur. J. Inorg. Chem. **1999**, 869 - 872  
Synthesis of (R<sub>3</sub>Sn)<sub>4</sub>X<sub>6</sub> Admantanes (X = O, S, Se) in Liquid  
Ammonia and in the Two-Phase System Liquid  
Ammonia/THF

## Publikationen H. W. Roesky 1963 bis 2020

759. R. Murugavel, M. Bhattacharjee, H.W. Roesky  
Appl. Organomet. Chem. **1999**, *13*, 227 - 243  
Review  
Organosilanetriols: Model Compounds and Potential  
Precursors for Metal-containing Silicate Assemblies
760. H. Wessel, A. Herzog, P. Yu, H.W. Roesky  
in: W. Kaminsky: Metalorganic Catalysts for Synthesis and  
Polymerisation. Springer-Verlag Berlin Heidelberg New  
York **1999**, 123 - 127  
The Activation of Metal-Fluorine Bonds in Compounds of  
Group 4 by Aluminum Alkyls
761. B. Rake, P. Muller, H.W. Roesky, I. Uson  
Angew. Chem. **1999**, *111*, 2069 - 2071  
Herstellung und strukturelle Untersuchung des graphitahnlich  
aufgebauten [(Me<sub>3</sub>Sn)<sub>3</sub>O]Cl  
Angew. Chem. Int. Ed. **1999**, *38*, 2050 - 2051  
Synthesis and Structural Characterization of Graphite-Like  
[(Me<sub>3</sub>Sn)<sub>3</sub>O]Cl
762. H.W. Roesky, I. Haiduc  
J. Chem. Soc., Dalton Trans. **1999**, 2249 - 2264  
Fluorine as a structure-directing element in organometallic  
fluorides: discrete molecules, supramolecular self-assembly  
and host-guest complexation
763. H.S. Park, S. Schulz, H. Wessel, H.W. Roesky  
Chem. Vap. Deposition **1999**, *5*, 179 - 184  
First Approach to an AlSb Layer from the Single-Source  
Precursors [Et<sub>2</sub>AlSb(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub> and [<sup>t</sup>Bu<sub>2</sub>AlSb(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub>
764. H. Voelker, D. Labahn, F.M. Bohnen, R. Herbst-Irmer, H.W.  
Roesky, D. Stalke, F. Edelmann  
New J. Chem. **1999**, *23*, 905 - 909  
Structural diversity in nonafluoromesityl chemistry
765. J. Prust, P. Muller, C. Rennekamp, H.W. Roesky, I. Uson  
J. Chem. Soc. Dalton Trans. **1999**, 2265 - 2266  
New approach to dichloroindium amides
766. J. Gindl, M.A. Said, P. Yu, H.W. Roesky, M. Noltemeyer,  
H.-G. Schmidt  
Israel Journal of Chemistry **1999**, *39*, 125 - 128



## Publikationen H. W. Roesky 1963 bis 2020

Synthesis and Structure of New Dimeric Cyclopentadienyl Titanium Fluorine-Oxygen Systems:  $[\text{Cp}^*\text{TiF}(\mu\text{-F})(\mu\text{-OPOPh}_2)]_2$ ,  $[\text{Cp}^*\text{TiF}(\mu\text{-F})(\mu\text{-OSO}_2\text{-}i\text{-C}_6\text{H}_4\text{Me})]_2$  and  $[\text{Cp}^*\text{TiF}_2(\mu\text{-OMe})]_2$

767. H.W. Roesky, H.S. Park, M. Mokhtari, S. Johnson  
Patent DE 195 32 385 C 2  
Elektrisch leitender Feststoff und dessen Verwendung
768. C. Rennekamp, H. Wessel, H.W. Roesky, P. Müller, H.-G. Schmidt, M. Noltemeyer, I. Usón, A.R. Barron  
Inorg. Chem. **1999**, *38*, 5235 - 5240  
An Alternative Approach to  $\text{Al}_2\text{O}_2$  Ring Systems by Unexpected Cleavage of Stable Al-F - and Si-O-Bonds
769. P. Yu, P. Müller, H.W. Roesky, M. Noltemeyer, A. Demsar, I. Usón  
Angew. Chem. **1999**, *111*, 3518 - 3520  
Organotitanfluoride als Matrix zum Abfangen von molekularem  $\text{ZnF}_2$  und  $\text{MeZnF}$   
Angew. Chem. Int. Ed. **1999**, *38*, 3319 - 3321  
Organotitanium Fluorides as Matrices for Trapping Molecular  $\text{ZnF}_2$  and  $\text{MeZnF}$
770. Ch. Cui, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Organometallics **1999**, *18*, 5120 - 5123  
Synthesis of Organoaluminum Chalcogenides  $[\text{RAl}(\mu\text{-E})]_2$  ( $\text{R} = \text{N}(\text{SiMe}_3)\text{C}(\text{Ph})\text{C}(\text{SiMe}_3)_2$ ,  $\text{E} = \text{Se}, \text{Te}$ ) from Aluminum Dihydride  $[\text{RAIH}(\mu\text{-H})]_2$
771. A. Klemp, H.Hatop, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Inorg. Chem. **1999**, *38*, 5832 - 5836  
The Influence of Bulky Ligands in the Synthesis of Aluminosiloxanes: X-ray Crystal Structures of a Sterically Hindered Silanetriol  $\text{RSi}(\text{OH})_3$  and the Aluminosiloxanes  $[\text{RSiO}_3\text{Al}\cdot\text{THF}]_4$  and  $[\text{RSiO}(\text{OH})_2]_2\text{AlC}(\text{SiMe}_3)_3\cdot 3\text{THF}$  ( $\text{R} = (2,6\text{-}i\text{-Pr}_2\text{C}_6\text{H}_3)\text{N}(\text{SiMe}_2\text{-}i\text{Pr})$ )
772. M. Witt, M. Noltemeyer, H.-G. Schmidt, Th. Lübben, H.W. Roesky  
J. Organomet. Chem. **1999**, *591*, 138 - 147  
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn - synthesis and structural investigations

## Publikationen H. W. Roesky 1963 bis 2020

773. H.W. Roesky  
J. Fluorine Chem. **1999**, *100*, 217 - 226  
Some aspects of fluorine chemistry in Göttingen
774. H.W. Roesky, A. Stasch, H. Hatop, C. Rennekamp, D.H. Hamilton, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **2000**, *112*, 177 - 179  
Angew. Chem. Int. Ed. **2000**, *39*, 171 - 173  
A Facile Route to Group 14 Difluorodiorganometalates:  
[*n*Bu<sub>4</sub>N][R<sub>2</sub>MF<sub>2</sub>] (M = Al, Ga, In)  
Eine einfache Synthese für Difluorodiorganometallate der 13.  
Gruppe: [*n*Bu<sub>4</sub>N][R<sub>2</sub>MF<sub>2</sub>] (M = Al, Ga, In)
775. H. W. Roesky  
Inorg. Chem. **1999**, *38*, 5934 - 5943  
Playing the Keyboard of Fluorine Chemistry
776. C.N. McMahon, S.G. Bott, L. B. Alemany, H.W. Roesky,  
and A. R. Barron  
Organometallics **1999**, *18*, 5395 - 5408  
Cleavage of Cyclodimethylsiloxanes by Dialkylaluminum  
Hydrides and the Nature of the Siloxyaluminum Products
777. H.W. Roesky  
Praxis der Naturwissenschaften **2000**, *1*, 2 - 4  
Shuttle - Ein spektakulärer Versuch zum Verbrennen von  
Kohlenwasserstoffen
778. H. Voelker, D. Labahn, F.M. Bohnen, R. Herbst-Irmer, H.W.  
Roesky, D. Stalke, F.T. Edelmann  
New. J. Chem. **1999**, *23*, 905 - 909  
Structural diversity in nonafluoromesityl chemistry
779. H. Hao, H.W. Roesky, Ch. Cui, H.-G. Schmidt, M.  
Noltemeyer, P. Yu, G. Bai  
Z. Anorg. Allg. Chem. **2000**, *626*, 368 - 373  
Synthesis and Structure of the Tetrameric [Cp\*V( $\mu$ -F)<sub>2</sub>]<sub>4</sub>(Cp\*  
= C<sub>5</sub>Me<sub>5</sub>): Preparation of the Imido Molybdenum Fluoride  
[(2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>N)<sub>2</sub>MoF<sub>2</sub>] · THF and the Structural  
Investigation of [(2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>N)<sub>6</sub>Mo<sub>4</sub>( $\mu$ <sub>3</sub>-F)<sub>2</sub>Me<sub>2</sub>( $\mu$ -O)<sub>4</sub>]
780. U. Ritter, H. Winkhofer, H. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

Europäisches Patent EP 0841 987 B1  
Wasserlösliche Cobaltkatalysatoren, Verfahren zu ihrer  
Herstellung und ihre Verwendung als  
Hydroformylierungskatalysatoren in einem  
Zweiphasensystem mit Polyethylenglycol als polare Phase.

781. H. Hatop, H.W. Roesky, Th. Labahn, A. Fischer, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2000**, *19*, 937 - 940  
Syntheses and Structures of New Organoaluminum Fluorides
782. D. Chakraborty, V. Chandrasekhar, M. Bhattacharjee, R. Krätzner, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2000**, *39*, 23 - 26  
Metal Alkoxides as Versatile Precursors for Group 4 Phosphonates: Synthesis and X-ray Structure of a Novel Organosoluble Zirconium Phosphonate
783. M. Witt, H.W. Roesky  
Current Science **2000**, *78*, 410 - 430  
Organoaluminum chemistry at the forefront of research and development
784. C. Rennekamp, A. Stasch, P. Müller, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, I. Usón  
J. Fluorine Chemistry **2000**, *102*, 17 - 20  
Reaction of dimethylaluminumfluoride with primary amines  $\text{RNH}_2$  ( R = *t*-Bu, 2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
785. Th. Borrmann, H.W. Roesky, U. Ritter  
J. Molecular Catalysis A: Chemical **2000**, *153*, 31 - 48  
Biphasic hydroformylation of olefins using a novel water soluble rhodium polyethylene glycolate catalyst
786. O.I. Guzyr, J. Prust, H.W. Roesky, Ch. Lehmann, M. Teichert, F. Cimpoesu  
Organometallics **2000**, *19*, 1549 - 1555  
Hydrolysis of ( $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>)MMe<sub>4</sub> (M = Mo, W) and the Formation of Organometallic Oxides with  $\mu_3$ -CH Methylidyne and  $\mu$ -CH<sub>2</sub> Methylidene Groups: Model Compounds for Catalysis on Metal Oxide Surfaces
787. H.W. Roesky, I. Haiduc

## Publikationen H. W. Roesky 1963 bis 2020

Advances in Molecular Structure Research **2000**, *6*, 75- 95  
Molecular solids: Self-assembled host-guest organometallic  
aggregates

788. Ch. Cui, H. Hao, M. Noltemeyer, H.-G. Schmidt, H.W. Roesky  
Polyhedron **2000**, *19*, 471 - 474  
Synthesis and characterization of 1-aza-allyl complexes of aluminum, gallium and bismuth
789. Ch. Cui, H.W. Roesky, H. Hao, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. Int. Ed. **2000**, *39*, 1815 - 1817  
The First Structurally Characterized Metal - SeH Compounds: [LAl(SeH)<sub>2</sub>] and [L(HSe)AlSeAl(SeH)L]  
Angew. Chem. **2000**, *112*, 1885 - 1887
790. C. Ackerhans, B. Rake, R. Kratzner, P. Muller, H.W. Roesky, I. Uson  
Eur. J. Inorg. Chem. **2000**, 827 - 830  
Ammonolysis of Trichlorosilanes
791. H.W. Roesky, R.J. Butcher, S. Bajpai, P.C. Srivastava  
Phosphorus, Sulfur and Silicon **2000**, *161*, 135 - 141  
A unique supramolecular structure of poly [ $\mu$ -oxo-bis(1,1,2,3,4,5-hexahydro-1-nitratotellurophene)]  
[C<sub>4</sub>H<sub>8</sub>TeNO<sub>3</sub>]<sub>2</sub>O]<sub>N</sub> with ---O-Te-O-Te-O--- cross linked chains
792. C. Rennekamp, P. Muller, J. Prust, H. Wessel, H.W. Roesky, I. Uson  
Eur. J. Inorg. Chem. **2000**, 1861 - 1868  
Si-NH-M Cage Compounds - Molecular Iminosilicates Containing Group 13 Metals and Their Functionalized Halogen Containing Derivatives
793. Ch. Cui, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2000**, *39*, 3678 - 3681  
Syntheses and Structures of the Arylaluminum Chalcogenides (ArAlE)<sub>2</sub> (Ar = 2-(NEt<sub>2</sub>CH<sub>2</sub>-6-MeC<sub>6</sub>H<sub>3</sub>, E = Se; Ar = 2,6-(NEt<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, E = Se,Te)

## Publikationen H. W. Roesky 1963 bis 2020

794. O.I. Guzyr, R. Siefken, D. Chakraborty, H.W. Roesky, M. Teichert  
Inorg. Chem. **2000**, *39*, 1680 - 1683  
Synthesis and Structure of Organic-Soluble Binuclear Molecular Phosphonates of Tantalum, Molybdenum, and Tungsten
795. K.S. Klimek, Ch. Cui, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Organometallics **2000**, *19*, 3085 - 3090  
Synthesis and Characterization of 1-Aza-allyl Complexes with Al-Al, Ga-Ga, and In-In Bonds
796. G. Mloston, S. Lesniak, A. Linden, H.W. Roesky  
Tetrahedron **2000**, *56*, 4231 - 4238  
Ambiguous Reactivity of a Fluorinated Thiocarbonyl *S*-Imide; Unprecedented Rearrangement under FVP Conditions
797. H. Hao, Ch. Cui, G. Bai, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, Y. Ding  
Z. Anorg. Allg. Chem. **2000**, *626*, 1660 - 1664  
Bis(arylimido)molybdenum(VI) amidinate and guanidinate complexes; Molecular Structures of [(ArN)<sub>2</sub>MoMe{N(Cy)C[N(*i*-Pr)<sub>2</sub>]N(Cy)}] (Ar = 2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>; Cy = Cyclohexyl) and [(2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>N)<sub>2</sub>MoCl<sub>2</sub>]•[NH=C(C<sub>6</sub>H<sub>5</sub>)CH(SiMe<sub>3</sub>)<sub>2</sub>]
798. W. Zheng, N.C. Mösch-Zanetti, H.W. Roesky, M. Hewitt, F. Cimpoesu, Th.R. Schneider, A. Stasch, J. Prust  
Angew. Chem. **2000**, *112*, 3229 - 3231  
Angew. Chem. Int. Ed. **2000**, *39*, 3099 - 3101  
The First Structurally Characterized Aluminum Compounds with Terminal Acetylide Groups
799. H.W. Roesky  
Proc. Indian Acad. Sci. (Chem. Sci.) **2000**, *112*, 343  
Organometallic fluorides of main group and transition elements
800. G. Bai, H.W. Roesky, M. Noltemeyer, H. Hao, H.-G. Schmidt  
Organometallics **2000**, *19*, 2823 - 2825  
Synthesis of the First Compound with a Rhombohedral Ti<sub>6</sub>(μ<sub>3</sub>-NH)<sub>6</sub>(μ<sub>3</sub>-N)<sub>2</sub> Core Structure by Ammonolysis of a Titanium Chelate in a Two-Phase System
801. M. Gorol, N.C. Mösch-Zanetti, M. Noltemeyer, H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

Z. Anorg. Allg. Chem. **2000**, 626, 2318-2324  
Water-soluble and Halogen-free Hexaammine Complexes of  
Metal Ions of Group 9 - Synthesis, Crystal Structures, and  
Vibrational Spectra

802. G. Bai, P. Müller, H.W. Roesky, I. Usón  
Organometallics **2000**, 19, 4675 - 4677  
Intramolecular Coupling of Two Cyclopentadienyl Ring  
Systems of Zirconium . Unprecedented Formation of a  
[ $\{(MeC_5H_4)Zr\}_5[(\mu_5-N)(\mu_3-NH)_4(\mu-NH_2)_4]$ ] Cluster in a Two-  
Phase System
803. P. Müller, I. Usón, J. Prust, H.W. Roesky  
Acta Cryst. **2000**, C56, 1300 - 1301  
Tetrameric indium trichloride, a new modification of a widely  
used compound
804. C. Cui, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. **2000**, 112, 4705 - 4707  
Angew. Chem. Int. Ed. **2000**, 39, 4531 - 4533  
[ $HC\{(CMe)(NAr)\}_2]Al[(NSiMe_3)_2N_2]$  (Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>):  
The First Five-Membered AlN<sub>4</sub> Ring System
805. C. Cui, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer, H.  
Hao, F. Cimpoesu  
Angew. Chem. **2000**, 112, 4444 - 4446  
Angew. Chem. Int. Ed. **2000**, 39, 4274 - 4276  
Synthesis and Structure of a Monomeric Aluminum(I)  
Compound [ $\{HC(CMeNAr)_2\}Al]$  (Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>): A  
Stable Aluminum Analogue of a Carbene
806. W. Zheng, N.C. Mösch-Zanetti, H.W. Roesky, M.  
Noltemeyer, M. Hewitt, H.-G. Schmidt, Th.R. Schneider  
Angew. Chem. **2000**, 12, 4446 - 4449  
Angew. Chem. Int. Ed. **2000**, 39, 4276 - 4279  
Alumoxane Hydride and Aluminum Chalcogenide Hydride  
Compounds with Pyrazolato Ligands
807. M. Schormann, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Fluorine Chem. **2000**, 101, 75 – 80  
Diphenyllead difluoride and triphenylbismuth difluoride –  
new fluorinating reagents for the chlorine-fluorine metathesis  
reactions of group 4 and 5 compounds

## Publikationen H. W. Roesky 1963 bis 2020

808. A. Boureghda, H.W. Roesky  
J. Soc. Alger. Chim. **2000**, *10*, 253 – 254  
Synthèse du chlorure de tri(trimethylsilyl)methanesulfenyle
809. S. Bruda, M. Andruh, H.W. Roesky, Y. Journaux, M. Noltemeyer, E. Rivière  
Inorg. Chem. Com. **2001**, *4*, 111. – 114  
Heteropolymetallic assemblies constructed from homometallic coordination polymers and paramagnetic metal-containing anions. Synthesis, crystal structure and magnetic properties of  $[\text{Mn}(4,4'\text{-bipyridine-}N, N'\text{-dioxide})(\text{H}_2\text{O})_4][\text{Cr}(\text{bipy})(\text{C}_2\text{O}_4)_2]_2 \cdot 8\text{H}_2\text{O}$
810. Y.L. Zub, H.W. Roesky, M.M.Malyar, A.A. Chuiko, M. Jaroniec, R. Murugavel  
Solid State Sciences **2001**, *3*, 169 – 182  
Synthesis of polyferromethylsiloxane sorbents using a sol-gel method
811. M.N.S. Rao, H.W. Roesky  
Current Science **2001**, *80*, 624 – 627  
Chemistry museum at Göttingen University – A solution to the problem?
812. Y. Ding, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, P.P. Power  
Organometallics **2001**, *20*, 1190 – 1194  
Synthesis and Structures of Monomeric Divalent Germanium and Tin Compounds Containing a Bulky Diketiminato Ligand
813. W. Zheng, H.W. Roesky, M. Noltemeyer  
Organometallics **2001**, *20*, 1033 – 1035  
Hydrolytic Synthesis of an Alumoxane Hydride Bearing Terminal Pyrazolato Ligands
814. H.W. Roesky, M.G. Walawalkar, R. Murugavel  
Acc. Chem. Res. **2001**, *34*, 201 – 211  
Is Water a Friend or Foe in Organometallic Chemistry? The Case of Group 13 Organometallic Compounds
815. C. Ackerhans, H.W. Roesky, M. Noltemeyer  
Organometallics **2001**, *20*, 1282 – 1284

## Publikationen H. W. Roesky 1963 bis 2020

### Synthesis and Structure of a $S_4Si_4$ Cage Compound

816. M. Schormann, S.P. Varkey, H.W. Roesky, M. Noltemeyer  
J. Organomet. Chem. **2001**, *621*, 310 – 316  
Preparation of bistrimethylsilylmethylniobiumtetrafluoride  
and the application of  $KHF_2$  and  $n\text{-Bu}_4\text{NHF}_2$  as fluorinating  
reagents
817. M. Stender, B.E. Eichler, N.J. Hardman, P.P. Power  
J. Prust, M. Noltemeyer, H.W. Roesky  
Inorg. Chem. **2001**, *40*, 2794 – 2799  
Synthesis and Characterization of  $HC\{C(Me)N(C_6H_3-2,6-i\text{-Pr}_2)\}_2MX_2$  ( $M = Al, X = Cl, I; M = Ga, In, X = Me, Cl, I$ ):  
Sterically Encumbered  $\beta$ -Diketimate Group 13 Metal  
Derivatives
818. N.J. Hardman, Ch. Cui, H.W. Roesky, W.H. Fink, Ph.P.  
Power  
Angew. Chem. **2001**, *113*, 2230 – 2232; Angew. Chem. Int.  
Ed. **2001**, *40*, 2172 – 2174  
Stable, Monomeric Imides of Aluminum and Gallium:  
Synthesis and Characterization of  $[\{HC(MeCDippN)\}_2MN\text{-}2,6\text{-Trip}_2C_6H_3]$  ( $M = Al$  or  $Ga$ ;  $Dipp = 2,6\text{-}i\text{-Pr}_2C_6H_3$ ;  $Trip = 2,4,6\text{-}i\text{-Pr}_3C_6H_2$ )
819. G. Bai, H.W. Roesky, P. Lobinger, M. Noltemeyer, H.-G.  
Schmidt  
Angew. Chem. **2001**, *113*, 2214 – 2217; Angew. Chem. Int.  
Ed. **2001**, *40*, 2156 – 2159  
Base-Assisted Formation of Organozirconium Oxides with  
the  $[Zr_6(\mu_6\text{-O})(\mu_3\text{-O})_8]$  Core Structure
820. F. Perdih, A. Demšar, A. Pevec, S. Petricek, I. Leban, G.  
Giester, J. Sieler, H.W. Roesky  
Polyhedron **2001**, 1 - 5  
Synthesis and the crystal structures of a monoanionic  
tetrafluorodentate ligand and its complex with lanthanum ion
821. G. Bai, H.W. Roesky, H. Hao, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2001**, *40*, 2424 – 2426  
Synthesis of the Titanium Compound  $[(MeC_5H_4)TiCl(\mu\text{-}NSiMe_3)]_2$  with Migration of a  $SiMe_3$  Group and Preparation  
of  $Cp_2ZrCl(\eta^2\text{-NHNCHSiMe}_3)$



## Publikationen H. W. Roesky 1963 bis 2020

822. S.P. Varkey, M. Schormann, Th. Pape, H.W. Roesky, M. Noltemeyer, R. Herbst-Irmer, H.-G. Schmidt  
Inorg. Chem. **2001**, *40*, 2427 – 2429  
Organotitanoxanes [C<sub>5</sub>Me<sub>5</sub>TiMe<sub>2</sub>]<sub>2</sub>(μ-O) and [(C<sub>5</sub>Me<sub>5</sub>)<sub>4</sub>Ti<sub>4</sub>Me<sub>2</sub>](μ-O)<sub>5</sub>: Synthesis and Crystal Structures
823. W. Zheng, H. Hohmeister, N.C. Mösch-Zanetti, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2001**, *40*, 2363 – 2367  
Syntheses and Characterization of μ, η<sup>1</sup>, η<sup>1</sup>-3,5-Di-*tert*-butylpyrazolato Derivatives of Aluminum
824. P. Lobinger, H.S. Park, H. Hohmeister, H.W. Roesky  
Chem. Vap. Deposition **2001**, *7*, 105 – 109  
A New Approach to In<sub>2</sub>O<sub>3</sub> Layers from the Single-Source Precursors [Et<sub>2</sub>InOH • Et<sub>2</sub>InNH<sub>2</sub>] and [<sup>i</sup>Pr<sub>2</sub>InOH • <sup>i</sup>Pr<sub>2</sub>InNH<sub>2</sub>]
825. D. Chakraborty, S. Horchler, R. Krätzner, S.P. Varkey, J. Pinkas, H.W. Roesky, I. Usón, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2001**, *40*, 2620 – 2624  
Synthesis and Structural Characterization of Functionalized Dimeric Aluminophosphonates and a Monomeric Gallophosphonate Anion
826. K.S. Klimek, J. Prust, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Organometallics **2001**, *20*, 2047 – 2051  
Synthesis and Characterization of Tris(trimethylsilyl)methylaluminum Chalcogenides [RAl(μ<sub>3</sub>-E)]<sub>4</sub> (R = (Me<sub>3</sub>Si)<sub>3</sub>C; E = Se, Te) and 1-Azaallylgallium Chalcogenides [R'Ga(μ<sub>2</sub>-E)]<sub>2</sub> (R' = (Me<sub>3</sub>Si)<sub>2</sub>C(Ph)C(Me<sub>3</sub>Si)N; E = S, Se, Te)
827. B. Räge, F. Zülch, Y. Ding, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Z. Anorg. Allg. Chem. **2001**, *627*, 836 – 840  
Synthese, Struktur und Eigenschaften von [nacnac]MX<sub>3</sub>-Verbindungen (M = Ge, Sn; X = Cl, Br, I)
828. P. Böttcher, H.W. Roesky, M.G. Walawalkar, H.-G. Schmidt  
Organometallics **2001**, *20*, 790 – 793

## Publikationen H. W. Roesky 1963 bis 2020

Synthesis and Structure of the First Soluble Ternary Metal Amide – Imide Compounds with an  $M_2Al_2Si_2N_6$  Core ( M = Li, Na)

829. J. Prust, K. Most, I. Müller, A. Stasch, H.W. Roesky, I. Usón  
Eur. J. Inorg. Chem. **2001**, 1613 - 1616  
Synthesis and Structures of Cinamidine  $Mn^{II}$ ,  $Zn^{II}$ , and  $Cd^{II}$   
Iodine Derivatives
830. Ch. Schnitter, S.D. Waezsada, H.W. Roesky, M. Teichert, I. Usón, E. Parisini  
Organometallics **1997**, *16*, 1197 – 1202  
Synthesis and Characterization of (4-Fluorophenyl)amino-Based Amino- and Iminometallanes of Group 13. Crystal Structures of  $(MeAlNR_f)_4$ ,  $(MeMNR_f)_6 \cdot nTHF$  (M = Al,  $n = 2$ ; M = Ga,  $n = 7$ ), and  $(MeIn(THF)NR_f)_4$  ( $R_f = 4-C_6H_4F$ )
831. M.G. Walawalkar, R. Murugavel, H.W. Roesky, H.-G. Schmidt  
Inorg. Chem. **1997**, *36*, 4202 – 4207  
Syntheses, Spectroscopy, Structures, and Reactivity of Neutral Cubic Group 13 Molecular Phosphonates
832. M.G. Walawalkar, R. Murugavel, H.W. Roesky, I. Usón, R. Kraetzner  
Inorg. Chem. **1998**, *37*, 473 – 478  
Gallophosphonates Containing Alkali Metal Ions. 2.<sup>1</sup>  
Synthesis and Structure of Gallophosphonates Incorporating  $Na^+$  and  $K^+$  Ions
833. A. Demsar, A. Pevec, L. Golic, S. Petricek, A. Petric, H.W. Roesky  
Chem. Commun. **1998**, 1029 – 1030  
Lithium fluoride formed *in situ* is trapped by  $[TiF_3(C_5Me_5)]_2$ : an equilibrium with cleavage of a Ti-F-Ti bond and a model compound for molecular lithium fluoride
834. A. Demsar, A. Pevec, S. Petricek, L. Golic, A. Petric, M. Björgvinsson, H.W. Roesky  
J. Chem. Soc., Dalton Trans **1998**, 4043 – 4047  
Calcium fluoride incorporated in soluble organometallics: adduct formation and solution dynamics

## Publikationen H. W. Roesky 1963 bis 2020

835. H.W. Roesky  
Roumanian Chemical Quarterly Reviews **1999**, 7, 155 – 157  
Organometallic Fluorides
836. W. Zheng, A. Stasch, J. Prust, H.W. Roesky, F. Cimpoesu,  
M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **2001**, 113, 3569 – 3572  
Angew. Chem. Int. Ed. **2001**, 40, 3461 – 3464  
A Polyhedral Aluminum Compound with an Al<sub>4</sub>C<sub>4</sub>N<sub>4</sub>  
Framework
837. D. Chakraborty, S. Horchler, H.W. Roesky, M. Noltemeyer,  
H.-G. Schmidt  
Inorg. Chem. **2000**, 39, 3995 – 3998  
Application of *n*-Bu<sub>4</sub>NHF<sub>2</sub> as a Fluorinating Agent for the  
Preparation of Fluoroanions: Synthesis and Crystal Structure  
of the Anions [*t*-BuPO<sub>3</sub>AlF<sub>2</sub>]<sub>2</sub><sup>2-</sup>, [PhPO<sub>3</sub>AlF<sub>2</sub>]<sub>2</sub><sup>2-</sup>, and [(*O*-*i*-  
Pr)<sub>3</sub>Ti( $\mu$ -F)<sub>2</sub>( $\mu$ -*O*-*i*-Pr)Ti(*O*-*i*-Pr)<sub>3</sub>]<sup>-</sup>
838. P. Böttcher, H.W. Roesky  
Organosilicon Chemistry IV. Hrsg. N. Auner, J. Weis, Wiley-  
VCH **2000**, 317 – 322  
Synthesis and structures of stable aminosilanes and their  
metal derivatives: building blocks for metal-containing  
nitridosilicates
839. M. Witt, H.W. Roesky  
Synthetic Methods of Organometallic and Inorganic  
Chemistry (Herrmann/Brauer). Vol. 3: Phosphorus, Arsenic,  
Antimony, and Bismuth. Hrsg. H.H. Karsch. Georg Thieme  
Verlag Stuttgart – New York **1996**, 103 – 105  
N,N-Bis(trimethylsilyl)amino(diphenyl)phosphane, Chloro  
(diphenyl)(N-trimethylsilyl)iminophosphorane,  
Nbis(trimethylsilyl)amino(diphenyl)(N-trimethylsilyl)-  
iminophosphorane) Ph<sub>2</sub>P-N(SiMe<sub>3</sub>)<sub>2</sub>, Ph<sub>2</sub>(Cl)P?N-  
SiMe<sub>3</sub>, Ph<sub>2</sub>[(Me<sub>3</sub>Si)<sub>2</sub>N]P=N-SiMe<sub>3</sub>
840. G. Bai, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2001**, 20, 2962 - 2965  
Synthesis of a Dinuclear Complex with a Zr<sub>2</sub>( $\mu$ -NH)<sub>2</sub> Core in  
a Two-Phase System
841. H.W. Roesky, M.G. Walawalkar  
CHEMKON **2001**, 3, 155

## Publikationen H. W. Roesky 1963 bis 2020

Das Experiment: Münchhausen: Der Held auf der fliegenden Kanonenkugel

842. A. Stasch, M. Schormann, J. Prust, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
J. Chem. Soc., Dalton Trans. **2001**, 1945 – 1947  
Acetylacetonatodifluorooxometalates of vanadium and molybdenum: syntheses and crystal structures
843. J. Prust, A. Stasch, W. Zheng, H.W. Roesky, E. Alexopoulos, I. Usón, D. Böhler, Th. Schuchardt  
Organometallics **2001**, *20*, 3825 – 3828  
Synthesis and Structural Characterization of Monomeric Three-Coordinated  $\beta$ -Diketoiminate Organozinc Derivatives
844. J. Prust, K. Most, I. Müller, E. Alexopoulos, A. Stasch, I. Usón, H.W. Roesky  
Z. Anorg. Allg. Chem. **2001**, *627*, 2032 – 2037  
Synthesis and Structures of  $\beta$ -Diketoiminate Complexes of Magnesium
845. M.G. Walawalkar, H.W. Roesky  
Journal of Chemical Education **2001**, *7*, 912  
Icarus and Sun, Not Only in Mythology but Also in the Laboratory!
846. H.W. Roesky  
Chemief Feuerwerk, Aulis Verlag Deubner und Co KG, Köln,  
S. Nick, J. Parchmann, R. Demuth, **2001**, 28 – 31  
Shuttle an der Leine
847. C. Ackerhans, P. Böttcher, P. Müller, H.W. Roesky, I. Usón, H.-G. Schmidt, M. Noltemeyer  
Inorg. Chem. **2001**, *40*, 3766 – 3773  
Halogenodisilanes: Precursors for New Disilane Derivatives
848. R. Murugavel, A. Voigt, M.G. Walawalkar, H.W. Roesky  
Organosilicon Chemistry III, From Molecules to Materials,  
Hrsg. N. Auner, J. Weis  
Silanetriols: Preparation and Their Reactions
849. W. Zheng, N.C. Mösch-Zanetti, T. Blunck, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt

## Publikationen H. W. Roesky 1963 bis 2020

Organometallics **2001**, *20*, 3299 – 3303  
An Unusual Monomeric Alkenyl-Substituted Pyrazolato  
Aluminum Dichloride and Its Derivatives with Both Terminal  
and  $\eta^2$ -Pyrazolato Ligands

850. F. Cimpoesu, H.W. Roesky, G. Bai, N.C. Mösch-Zanetti, M. Ferbinteanu  
Challenges for Coordination Chemistry in the New Century.  
Ed. M. Melnik and A. Sirota  
Slovak Technical University Press, Bratislava, **2001**, 127 –  
132  
Perspectives of the Bonding Effects in New Titanium-  
Nitrogen Coordination Compounds
851. H. Hao, Ch. Cui, H.W. Roesky, G. Bai, H.-G. Schmidt, M.  
Noltemeyer  
Chem. Commun. **2001**, 1118 – 1119  
Syntheses and structures of the first examples of zinc  
compounds with bridging fluorine and hydrogen atoms
852. M. Ferbinteanu, H.W. Roesky, F. Cimpoesu, M. Atanasov, S.  
Köpke, R. Herbst-Irmer  
Inorg. Chem. **2001**, *40*, 4947 – 4955  
New Synthetic and Structural Aspects in the Chemistry of  
Alkylaluminum Fluorides. The Mutual Influence of Hard and  
Soft Ligands and the Hybridization as Rigorous Structural  
Criterion
853. Ch. Cui, S. Köpke, R. Herbst-Irmer, H.W. Roesky, M.  
Noltemeyer, H.-G. Schmidt, B. Wrackmeyer  
J. Am. Chem. Soc. **2001**, *123*, 9091 – 9098  
Facile Synthesis of Cyclopropene Analogues of Aluminum  
and an Aluminum Pinacolate, and the Reactivity of  $\text{LAl}[\eta^2\text{-}$   
 $\text{C}_2(\text{SiMe}_3)_2]$  toward Unsaturated Molecules ( $\text{L} =$   
 $\text{HC}[(\text{CMe})(\text{Nar})]_2$ ,  $\text{Ar} = 2,6\text{-}i\text{-Pr}_2\text{C}_6\text{H}_3$ )
854. M. Stender, R.J. Wright, B.E. Eichler, J. Prust, M.M.  
Olmstead, H.W. Roesky, P.P. Power  
J. Chem. Soc., Dalton Trans. **2001**, 3465 – 3469  
The synthesis and structure of lithium derivatives of the  
sterically encumbered  $\beta$ -diketiminato ligand  $(/ (2,6\text{-}$   
 $\text{Pr}'_2\text{H}_3\text{C}_6\text{N}(\text{CH}_3)\text{C}_2\text{CH})^-$  and a modified synthesis of the  
aminoimine precursor
855. H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

CHEMKON **2001**, 8, 205  
Natrium Billard

856. H.W. Roesky  
Solid State Sciences **2001**, 3, 777 - 782  
From molecules to aggregates
857. Y. Ding, H. Hao, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Organometallics **2001**, 20, 4806 - 4811  
Synthesis and Structures of Germanium(II) Fluorides and Hydrides
858. H. Hatop, M. Schiefer, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
J. Fluorine Chem. **2001**, 112, 219 - 223  
Synthesis and crystal structure of a novel aluminum-fluorine-potassium compound  $[(\text{Me}_3\text{Si})_3\text{C})_2\text{Al}_2(\mu\text{-F})\text{F}_4\text{K}]_x$  with a supramolecular chain
859. A.M. Neculai, H.W. Roesky, D. Neculai, J. Magull  
Organometallics **2001**, 20, 5501 - 5503  
Synthesis of New  $\beta$ -Diketiminato Complexes of Scandium(III): Unprecedented Formation of a Multicyclic Aggregate
860. H.W. Roesky  
Inorg. Chem. **2001**, 40, 6855 - 6856  
A Facile and Environmentally Friendly Disposal of Sodium and Potassium with Water
861. G. Anantharaman, N. D. Reddy, H.W. Roesky, J. Magull  
Organometallics **2001**, 20, 5777 - 5779  
Synthesis and X-ray Crystal Structure of a Soluble Zinc Silicate Polyhedron,  
 $[(\text{Me}_2\text{NC}_6\text{H}_4\text{NMe}_2)\text{ZnLi}\{\text{O}_3\text{Si}(\text{Me}_3\text{Si})\text{N}(2,6\text{-}i\text{-Pr}_2\text{C}_6\text{H}_3)\}]_4$
862. M. Fujiwara, H. Wessel, P. Hyung-Suh, H.W. Roesky  
Tetrahedron **2002**, 58, 239 - 243  
Formation of titanium *tert*-butylperoxo intermediate from cubic silicon- titanium complex with *tert*-butyl hydroperoxide and its reactivity for olefin epoxidation
863. M. Schormann, K.S. Klimek, H. Hatop, S.P. Varkey, H.W. Roesky, Ch. Lehmann, C. Röpken, R. Herbst-Irmer, M. Noltemeyer  
Journal of Solid State Chemistry **2001**, 162, 225 - 236  
Sodium-Potassium Alloy for the Reduction of Monoalkyl Aluminum(III) Compounds

## Publikationen H. W. Roesky 1963 bis 2020

864. H. Hatop, M. Ferbinteanu, H.W. Roesky, F. Cimpoesu, M. Schiefer, H.-G. Schmidt, M. Noltemeyer  
Inorg. Chem. **2002**, *41*, 1022 - 1025  
Lightest member of the basic carboxylate structural pattern:  $[Al_3(\mu_3-O)(\mu_2O_2CCF_3)_6(THF)_3][(Me_3Si)_3CAI(O_2CCF_3)_3] \cdot C_7H_8$
865. W. Zheng, H.W. Roesky, N.C. Möscher-Zanetti, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2002**, 1056 - 1059  
Synthesis and characterization of derivatives of a chelating aluminum dichloride complex containing a 3,5-di-*tert*butylpyrazolato unit
866. H. Hao, S. Bhandari, Y. Ding, H.W. Roesky, J. Magull, H.-G. Schmidt, M. Noltemeyer, C. Cui  
Eur. J. Inorg. Chem. **2002**, 1060 - 1065  
Pyrrolylaldiminato complexes of Zn, Mg and Al
867. G. Anantharaman, H.W. Roesky, J. Magull  
Angew. Chem. **2002**, *114*, 1274 - 1277  
Angew. Chem. Int. Ed. **2002**, *41*, 1226 - 1229  
 $[Zn_4(thf)_4(MeZn)_4(OSiR)_4]$   
(R = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>N(SiMe<sub>3</sub>)), a compound containing trigonal-planar, tetrahedral, and trigonal-bipyramidal metal atoms:  
a new route to larger aggregates
868. M.N.S. Rao, H.W. Roesky, G. Anantharaman  
J. Organomet. Chem. **2002**, *646*, 4 - 14  
Organoaluminum chemistry with low valent aluminum - recent developments
869. J. Janssen, J. Magull, H.W. Roesky  
Angew. Chem. **2002**, *114*, 1425 - 1427  
Angew. Chem. Int. Ed. **2002**, *41*, 1365 - 1367  
Röntgenkristallographisch aufgeklärte Struktur einer Monoorganozinnsäure  
Angew. Chem. Int. Ed. **2002**, *41*, 1365 - 1367  
X-ray structural characterization of a monoorganotin acid
870. N.D. Reddy, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2002**, *41*, 2374 - 2378  
Reactions of  $AlH_3 \cdot NMe_3$  with nitriles: structural characterization and substitution reactions of hexameric aluminum imides
871. J. Prust, H. Hohmeister, A. Stasch, H.W. Roesky, J. Magull, Eftichia Alexopoulos, I. Usón, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2002**, 2156 - 2162  
Synthesis and structural characterization of  $\beta$ -diketoiminate containing three-coordinate zinc and copper atoms

## Publikationen H. W. Roesky 1963 bis 2020

872. A.M. Neculai, D. Neculai, H.W. Roesky, J. Magull, M. Baldus, O. Andronesi, M. Jansen  
*Organometallics* **2002**, *21*, 2590 - 2592  
Stabilization of a diamagnetic Sc<sup>I</sup>Br molecule in a sandwich-like structure
873. G. Bai, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
*Organometallics* **2002**, *21*, 2789 - 2792  
Synthesis of the amidoimido zirconium anion  
[(HN*t*Bu)(N*t*Bu)Zr{(PN*t*Bu)<sub>2</sub>(N*t*Bu)<sub>2</sub>}]<sup>-</sup> under reductive conditions
874. M. Schiefer, H. Hatop, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
*Organometallics* **2002**, *21*, 1300 - 1303  
Organoaluminates with three terminal phenylethynyl groups and their interactions with alkali metal cations
875. H. Hao, H.W. Roesky, Y. Ding, C. Cui, M. Schormann, H.-G. Schmidt, M. Noltemeyer, B. Zemva  
*J. Fluorine Chem* **2002**, *115*, 143 - 147  
Access to the structures of fluoromagnesium compounds: synthesis and structural characterization of the β-diketiminato magnesium fluoride [ $\{\text{CH}(\text{CMeNAr})_2\}\text{Mg}(\mu\text{-F})(\text{THF})_2 \cdot \text{toluene}$ ]
876. D. Neculai, H.W. Roesky, A.M. Neculai, J. Magull, H.-G. Schmidt, M. Noltemeyer  
*J. Organomet. Chem.* **2002**, *643-644*, 47 - 52  
Synthesis and structure of monomeric and solvent-free LPrX<sub>2</sub> compounds supported by a new β-diketiminato ligand  
[L = Et<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>NC(Me)CHC(Me)NCH<sub>2</sub>CH<sub>2</sub>NEt<sub>2</sub> X = Cl, Br, BH<sub>4</sub>]
877. H. Hohmeister, H. Wessel, P. Lobinger, H.W. Roesky, P. Müller, I. Usón, H.-G. Schmidt, M. Noltemeyer, J. Magull  
*J. Fluorine Chem.* **2003**, *120*, 59 - 64  
Stepwise fluorination of [MeAlN(2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)]<sub>3</sub> using trimethyltin fluoride as fluorinating agent
878. H.W. Roesky, D.A. Atwood  
Springer Verlag Berlin Heidelberg New York **2002**  
Group 13 Chemistry I - Fundamental new developments
879. H.W. Roesky, D.A. Atwood  
Springer Verlag Berlin Heidelberg New York **2002**  
Group 13 Chemistry II - Biological Aspects of Aluminum
880. H.W. Roesky, D.A. Atwood  
Springer Verlag Berlin Heidelberg New York **2003**  
Group 13 Chemistry III - Industrial Applications



## Publikationen H. W. Roesky 1963 bis 2020

881. W. Zheng, H.W. Roesky  
J. Chem. Soc., Dalton Trans. **2002**, 2787 - 2796  
Alkynyl aluminum compounds: bonding modes and structures
882. A.M. Madalan, H.W. Roesky, M. Andruh, M. Noltemeyer, N. Stanica  
Chem. Comm. **2002**, 1638 - 1639  
The first coordination compound containing three different types of spin carriers: 2p - 3d - 4f (TCNQ<sup>-</sup>, Cu<sup>2+</sup> and Gd<sup>3+</sup>)
883. H.W. Roesky  
Jahrbuch 2001 der Deutschen Akademie der Naturforscher Leopoldina (Halle/Saale) LEOPOLDINA **2002**, 291 - 292  
Symposium: Chemistry and Mathematics: Two scientific languages of the 21st century
884. G. Bai, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Chem. Soc., Dalton Trans. **2002**, 2437 - 2440  
The formation of an imidozirconium compound by migration of the imido group from phosphorus to zirconium
885. Y. Ding, Q. Ma, I. Usón, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Am. Chem. Soc. **2002**, 124, 8542 - 8543  
Synthesis and structures of [ $\{HC(CMeNAr)_2\}Ge(S)X$ ] (Ar = 2,6*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, X = F, Cl, Me): Structurally characterized examples with a formal double bond between group 14 and 16 elements bearing a halide
886. A. Stasch, M. Ferbinteanu, J. Prust, W. Zheng, F. Cimpoesu, H.W. Roesky, J. Magull, H.-G. Schmidt, M. Noltemeyer  
J. Am. Chem. Soc. **2002**, 124, 5441 - 5448  
Syntheses, structures and surface aromaticity of the new carbaalane [(AlH)<sub>6</sub>(AlNMe<sub>3</sub>)<sub>2</sub>(CCH<sub>2</sub>R)<sub>6</sub>] (R = Ph, CH<sub>2</sub>SiMe<sub>3</sub>) and a stepwise functionalization of the inner and outer sphere of the cluster
887. G. Bai, H.W. Roesky, P. Müller  
Bulletin of the Polish Academy of Sciences - Chemistry **2002**, Vol 50, No. 1  
Ammonolysis of M-Cl bonds of organozirconium(IV) and titanium(III) chlorides in a liquid ammonia/toluene two phase system
888. D. Visinescu, G.I. Pascu, M. Andruh, J. Magull, H.W. Roesky  
Inorganica Chimica Acta **2002**, 340, 201 - 206  
A straightforward synthetic route towards tetranuclear copper(II) complexes: reactions between binuclear complexes and *exo*-bidentate or *exo*-bis(bidentate) ligands

## Publikationen H. W. Roesky 1963 bis 2020

889. D. Neculai, H.W. Roesky, A.M. Neculai, J. Magull, B. Walfört, D. Stalke  
*Angew. Chem.* **2002**, *114*, 4294 -4296  
*Angew. Chem. Int. Ed.* **2002**, *41*, 4470 - 4472  
Formation and characterization of the first monoalumoxane, LAIO·B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>
890. Y. Ding, Q. Ma, H.W. Roesky, R. Herbst-Irmer, I. Usón. M. Noltemeyer, H.-G. Schmidt  
*Organometallics* **2002**, *21*, 5216 - 5220  
Synthesis, structures, and reactivity of alkylgermanium(II) compounds containing a diketiminato ligand
891. D. Neculai, A.M. Neculai, H.W. Roesky, J. Magull, G. Bunkóczi  
*J. Fluorine Chem.* **2002**, *118*, 131 - 134  
Synthesis and structure of a new fluorinated β-ketoiminato ligand and its lithium derivative
892. M. Fujiwara, H. Wessel, H.S. Park, H.W. Roesky  
*Chem. Mater.* **2002**, *14*, 4975 - 4981  
A sol-gel method using tetraethoxysilane and acetic anhydride: immobilization of Cubic μ-Oxo Si-Ti complex in a silica matrix
893. M. Gorol, N.C. Mösch-Zanetti, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
*Chem. Commun.* **2003**, 46 - 47  
Unprecedented stabilisation of the Ag<sub>2</sub><sup>2+</sup>-ion by two hydrido-iridium(III) complexes
894. S. Bogdanovich, H. Roesky, U. Ritter, Th. Borrmann  
EP 0 998 441 B1 11.12.2002  
Verfahren zur Herstellung von Alkanalen mit Hilfe eines Rhodium-tri-polyethylenglykolats, und diese Verbindung selbst  
(Method for producing alkanals using a rhodium-tri-polyethylene glycolate)
895. C. Ackerhans, H.W. Roesky, D. Vidovic, J. Magull  
*Eur.J.Inorg.Chem.* **2003**, 66 - 69  
Symmetric Tetraalkynyldisilanes
896. H.W. Roesky, M. Andruh  
*Coordination Chemistry Reviews* **2003**, *236*, 91 - 119  
The interplay of coordinative, hydrogen bonding and π-π stacking interactions in sustaining supramolecular solid-state architectures. A study case of bis(4-pyridyl)- and bis(4-pyridyl-*N*-oxide) tectons

## Publikationen H. W. Roesky 1963 bis 2020

897. A. Pevec, M. Mrak, A. Demšar, S. Petricek, H.W. Roesky  
Polyhedron **2003**, *22*, 475 - 480  
Coordination number 12 in praseodymium and 11 in  
neodymium complexes with organofluorotitanate ligands
898. A. Pevec, F. Perdih, J. Košmrlj, B. Modec, H.W. Roesky, A.  
Demšar  
Dalton Trans., **2003**, 420 - 425  
Lithium complexes with a  $[\text{Cp}^*_2\text{Ti}_2\text{F}_7]^-$  ligand:  $^{19}\text{F}$  NMR  
probe for lithium solvation
899. G.B. Nikiforov, H.W. Roesky, J. Magull, M. Noltemeyer,  
H.-G. Schmidt, E.G. Ilyin, Y.B. Kokunov, A. Demsar  
Eur. J. Inorg. Chem. **2003**, 437 - 441  
Synthesis and structure of the first non-metallocene  $\text{Ti}^{\text{III}}$   
fluoride complex  $\text{LTiF}_2 \bullet 2\text{Me}_3\text{SnCl}$  supported by a  $\beta$ -  
diketiminato ligand
900. G.B. Nikiforov, H.W. Roesky, Th. Labahn, D. Vidovic, D.  
Neculai  
Eur. J. Inorg. Chem. **2003**, 433 - 436  
Synthesis and Structure of the first holmium and erbium  
diiodide complexes of composition  $\text{LLnI}_2$  ( $\text{Ln} = \text{Ho}, \text{Er}$ )
901. N. D. Reddy, S.S. Kumar, H.W. Roesky, D. Vidovic, J.  
Magull, M. Noltemeyer, H.-G. Schmidt  
Eur. J. Inorg. Chem. **2003**, 442 - 448  
Synthesis of a hexadentate hexameric aluminum imide and  
its metathesis reactions
902. G. Anantharaman, H.W. Roesky, H.-G. Schmidt, M.  
Noltemeyer, J. Pinkas  
Inorg. Chem. **2003**, *42*, 970 - 973  
Synthesis and X-ray crystal structure of  
 $[(\text{THF})\text{Zn}(\text{O}_2(\text{OH})\text{SiR})_4]$  ( $\text{R} = (2,6\text{-}i\text{-Pr}_2\text{C}_6\text{H}_3)\text{N}(\text{SiMe}_3)$ ):  
Enroute to larger aggregates
903. G. Bai, Y. Peng, H.W. Roesky, J. Li, H.-G. Schmidt, M.  
Noltemeyer  
Angew. Chem. **2003**, *115*, 1164 - 1167  
Angew. Chem. Int. Ed. **2003**, *42*, 1132 - 1135  
Aluminum dihydroxide with terminal OH groups: An  
unprecedented congener of boronic acid
904. Y. Ding, Q. Ma, H.W. Roesky, I. Usón, M. Noltemeyer, H.-  
G. Schmidt  
Dalton Trans., **2003**, 1094 - 1098  
Syntheses, structures and properties of  
 $[\{\text{HC}(\text{CMeNAr})_2\}\text{Ge}(\text{E})\text{X}]$  ( $\text{Ar} = 2,6\text{-}i\text{-Pr}_2\text{C}_6\text{H}_3$ ;  $\text{E} = \text{S}, \text{Se}$ ;  $\text{X}$   
 $= \text{F}, \text{Cl}$ )

## Publikationen H. W. Roesky 1963 bis 2020

905. G. Bai, Q. Ma, H.W. Roesky, D. Vidovic, R. Herbst-Irmer  
Chem. Comm. **2003**, 898 - 899  
New synthetic route for organic polyoxometallic clusters:  
synthetic and structural investigations on the first dumb-bell  
shaped polyoxozirconium hydroxide with the  $[Zr_9(\mu_5-O)_2(\mu-O)_4(\mu-OH)_8]$  core structure
906. V. Jancik, Y. Peng, H.W. Roesky, J. Li, D. Neculai, A.M.  
Neculai, R. Herbst-Irmer  
J. Am. Chem. Soc. **2003**, 125, 1452 - 1453  
The first structurally characterized aluminum compound with  
two SH groups:  $[LAl(SH)_2]$  (L =  
 $N(Ar)C(Me)CHC(Me)N(Ar)$ , Ar = 2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>) and the  
catalytic properties of the sulfur P(NMe<sub>2</sub>)<sub>3</sub> system
907. C. Ackerhans, H.W. Roesky, Th. Labahn, J. Magull  
Organometallics **2002**, 21, 3671 - 3674  
Synthesis and structure of a tetrahydroxydisilane and a  
trihydroxycyclotrisiloxane with all the OH functions in cis  
position
908. J. Pinkas, H.W. Roesky  
J. Fluorine Chem. **2003**, 120, 125 - 150  
Organoaluminium fluorides
909. H.W. Roesky  
Nova Acta Leopoldina **2003**, 88, 7 - 9  
Introduction
910. D. Neculai, A.M. Neculai, H.W. Roesky, R. Herbst-Irmer, B.  
Walfort, D. Stalke  
Dalton Trans., **2003**, 2831 - 2834  
Vanadium complexes incorporating the  $\beta$ -diketiminato  
ligand L. Syntheses and structures of  $L\text{V}(\text{OSO}_2\text{CF}_3)_2$  and  
 $L\text{VPh}_2$
911. A.M. Madalan, V. Voronkova, R. Galeev, L. Korobchenko,  
J. Magull, H.W. Roesky, M. Andruh  
Eur. J. Inorg. Chem. **2003**, 1995 - 1999  
Exchange interactions at the supramolecular level -  
synthesis, crystal structure, magnetic properties, and EPR  
spectra of  $[\text{Mn}(\text{MAC})(\text{TCNQ})_2]$  (MAC = Pentaaza  
macrocyclic ligand;  $\text{TCNQ}^-$  = Radical anion of 7,7,8,8-  
Tetracyano-*p*-quinodimethane)
912. H.W. Roesky  
Bell, H.P. Ed., Wiley-VCH **2003**, 165  
The 1:1:1 mixture
913. D. Neculai, H.W. Roesky, A.M. Neculai, J. Magull, R.  
Herbst-Irmer, B. Walfort, D. Stalke  
Organometallics **2003**, 22, 2279 - 2283

## Publikationen H. W. Roesky 1963 bis 2020

The first  $\beta$ -diketiminato complex of terbium containing two alkyl groups: a model compound for  $LLnR_2$  ( $Ln = \text{lantanide}$ ,  $R = \text{alkyl}$ ) systems

914. G. Bai, H.W. Roesky, J. Li, Th. Labahn, F. Cimpoesu, J. Magull  
*Organometallics* **2003**, 22, 3034 - 3038  
Synthesis, structural characterization, and theoretical treatment of an unusual organozirconium hydroxide with the  $[Zr_6(\mu_4-O)(\mu-O)_4(\mu-OH)_8]$  core
915. H.W. Roesky, I. Haiduc, N.S. Hosmane  
*Chem. Rev.* **2003**, 103, 2579 - 2595  
Organometallic oxides of main group and transition elements downsizing inorganic solids to small molecular fragments
916. G.B. Nikiforov, H.W. Roesky, D. Vidovic, J. Magull  
*J. Molecular Structure* **2003**, 656, 155 - 160  
Synthesis and structure of the heterobimetallic Yb(II) complex of composition  $L_2Yb_2Li_3$  supported with the  $\beta$ -diketiminato ligand  $[L = Et_2NCH_2NC(Me)NCH_2CH_2NEt_2]$
917. G.B. Nikiforov, H.W. Roesky, J. Magull, Th. Labahn, D. Vidovic, M. Noltemeyer, H.-G. Schmidt, N.S. Hosmane  
*Polyhedron* **2003**, 22, 2669 - 2681  
Synthesis and investigation of the stability of Ti(III)- $\beta$ -diketiminato complexes. Structure of the tetrameric non-metallocene titanium fluoride complex  $(L_2)_4Ti_4F_6O_2 \cdot 2\text{toluene}$  supported by the  $\beta$ -diketiminato ligand
918. M. Schiefer, N. Dastagiri Reddy, H.-J. Ahn, A. Stasch, H.W. Roesky, A. Ch. Schlicker, H.-G. Schmidt, M. Noltemeyer, D. Vidovic  
*Inorg. Chem.* **2003**, 42, 4970 - 4976  
Neutral and ionic aluminum, gallium, and indium compounds carrying two or three terminal ethynyl groups
919. A.M. Neculai, D. Neculai, G.B. Nikiforov, H.W. Roesky, Ch. Schlicker, R. Herbst-Irmer, J. Magull, M. Noltemeyer  
*Eur. J. Inorg. Chem.* **2003**, 3120 - 3126  
Partially fluorinated rare earth metal complexes
920. H. Zhu, J. Chai, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt, D. Vidovic, J. Magull  
*Eur. J. Inorg. Chem.* **2003**, 3113 - 3119  
A bulky chelating diamidoaluminum monohydride - synthesis, structure and reactions with  $Me_3SnF$  and heavy group 16 elements
921. J. Rong, Y. Peng, H.W. Roesky, J. Li, D. Vidovic, J. Magull  
*Eur. J. Inorg. Chem.* **2003**, 3110 - 3112

## Publikationen H. W. Roesky 1963 bis 2020

The first structurally characterized aluminum squaraine complex:  $L_2(AlMe_2)_4 \cdot 2THF \cdot 2toluene$  [L = Bis(2,6-diisopropylanilino)squaraine]

922. H.W. Roesky, R. Murugavel, M.G. Walawalkar  
Chem. Eur. J. **2004**, *10*, 324 – 331  
Stabilization of p-block organoelement terminal hydroxides, thiols, and selenols requires newer synthetic strategies
923. J. Wang, S. Li, Ch. Zheng, N.S. Hosmane, J. A. Maguire, H.W. Roesky, C.C. Cummins, W. Kaim  
Organometallics **2003**, *22*, 4390 – 4392  
An oxide ion encapsulating tetraholmium stabilized by complexation with the „carbons apart“  $C_2B_4$ -carborane ligands
924. A.M. Neculai, D. Neculai, H.W. Roesky, J. Magull  
Polyhedron **2004**, *23*, 183 – 187  
Synthesis and structure of  $LLnBr_2$  (L =  $Et_2NCH_2CH_2NC(Me)CHC(Me)NCH_2CH_2NEt_2$ ; Ln = Y, Sm, and Yb)
925. Y. Peng, G. Bai, H. Fan, D. Vidovic, H.W. Roesky, J. Magull  
Inorg. Chem. **2004**, *43*, 1217 – 1219  
Synthesis and structural characterization of a terminal hydroxide containing alumoxane via hydrolysis of aluminum hydrides
926. A.M. Neculai, C.C. Cummins, D. Neculai, H.W. Roesky, G. Bunkösi, B. Walfort, D. Stalke  
Inorg. Chem. **2003**, *42*, 8803 – 8810  
Elucidation of a Sc(I) complex by DFT calculations and reactivity studies
927. G.B. Nikiforov, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Polyhedron **2004**, *23*, 561 – 566  
Reactivity of  $Ti(bipy)_3$  and preparation of the  $Li(THF)_4[Al(bipy)_2]$  complex with the dinegative bipy ligand
928. H.W. Roesky  
Mitteilungen der Leibniz-Sozietät *21*, **2004**, 9  
Chemie en miniature – Eine neue Form des Chemieunterrichts
929. L.W. Pineda, V. Jancik, H.W. Roesky, D. Neculai, A.M. Neculai  
Angew. Chem. **2004**, *116*, 1443 - 1445  
Angew. Chem. Int. Ed. *43*, **2004**, 1419 - 1421  
Preparation and structure of the first germanium(II) hydroxide: The congener of an unknown low-valent carbon analogue

## Publikationen H. W. Roesky 1963 bis 2020

930. G. Bai, H.W. Roesky, J. Li, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **2003**, *115*, 5660 – 5664  
Angew. Chem. Int. Ed. **2003**, *42*, 5502 – 5506  
Synthesis, structural characterization and reaction of the first terminal hydroxide-containing alumoxane with an [Al(OH)<sub>2</sub>(μ-O)] core
931. S.S. Kumar, N.D. Reddy, H.W. Roesky, D. Vidovic, J. Magull, R.F. Winter  
Organometallics **2003**, *22*, 3348 – 3350  
Synthesis and structure, and cyclic voltammetric studies of [CpFeC<sub>5</sub>H<sub>4</sub>C≡CAlNCH<sub>2</sub>(C<sub>4</sub>H<sub>3</sub>S)<sub>6</sub>]: The first model compound for the fixation of metal-containing ligands on an aluminum nitride cluster
932. A. Stasch, H.W. Roesky, P.v. Ragué Schleyer, J. Magull  
Angew. Chem. *115*, **2003**, 5507 - 5509  
Ein dreifach AlH<sub>2</sub>-koordiniertes Kohlenstoffatom als Teil eines Carbaalanats  
Angew. Chem. Int. Ed. **2003**, *42*, 5502 - 5506  
A threefold AlH<sub>2</sub>-coordinated carbon atom as part of the first carbaalanate
933. M. Schiefer, N.D. Reddy, H.W. Roesky, D. Vidovic  
Organometallics **2003**, *22*, 3637 – 3638  
Synthesis and structural characterization of an exclusively N-based tetrameric aluminum(I) compound
934. G. Anantharaman, M.G. Walawalkar, R. Murugavel, B. Gábor, R. Herbst-Irmer, M. Baldus, B. Angerstein, H.W. Roesky  
Angew. Chem. **2003**, *115*, 4620 - 4623  
Angew. Chem. Int. Ed. *42*, **2003**, 4482 – 4485  
A nanoscopic molecular cadmium phosphonate wrapped in a hydrocarbon sheath
935. J. Janssen, H.-G. Schmidt, M. Noltemeyer, H.W. Roesky  
Eur. J. Inorg. Chem. **2003**, 4338 – 4340  
The first stable monomeric triaminostannane of composition [(Me<sub>3</sub>Si)<sub>3</sub>CSn(NH*t*Bu)<sub>3</sub>] containing three substituted NH groups
936. J. Chai, H. Zhu, K. Most, H.W. Roesky, D. Vidovic, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2003**, 4332 – 4337  
Synthesis and reaction of Mn<sup>II</sup> iodides bearing the β-diketiminato ligand: the first divalent manganese N-heterocyclic carbene complexes  
[HC(CMeNAr)<sub>2</sub>]<sub>2</sub>MnI{C[N(*i*Pr)CMe]<sub>2</sub>} and [HC(CMeNAr)<sub>2</sub>]<sub>2</sub>MnNHAr{C[N(*i*Pr)CMe]<sub>2</sub>} (Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
937. J. Chai, H. Zhu, H. Fan, H.W. Roesky, J. Magull

## Publikationen H. W. Roesky 1963 bis 2020

Organometallics **2004**, *23*, 1177 – 1179  
Structurally characterized neutral monoalkyl and -aryl complexes of manganese(II)

938. G. Bai, D. Vidovic, H.W. Roesky, J. Magull  
Polyhedron **2004**, *23*, 1125 – 1129  
A novel potassium-centered highly symmetrically polynuclear zirconium complex:  $K[\{(Cp^*Zr)_3(\mu_3-N)(\mu_3-NH)(\mu-NH_2)_3\}_4(NH_2)_5(NH_3)_7]$
939. V. Jancik, L.W. Pineda, J. Pinkas, H.W. Roesky, D. Neculai, A.M. Neculai, R. Herbst-Irmer  
Angew. Chem. **2004**, *116*, 2194 – 2197  
Angew. Chem. Int. Ed. **2004**, *43*, 2142 - 2145  
Preparation of monomeric  $[LAl(NH_2)_2]$  – a main-group metal diamide containing two terminal  $NH_2$  groups
940. G. Anantharaman, V. Chandrasekar, M.G. Walawalkar, H.W. Roesky, D. Vidovic, J. Magull, M. Noltemeyer  
Dalton Trans., **2004**, 1271 – 1275  
Molecular zinc phosphonates: synthesis and X-ray crystal structures of  $[\{(ZnMe)_4(THF)_2\}\{tBuPO_3\}_2]$  and  $[\{(ZnEt)_3(Zn(THF))_3\}\{tBuPO_3\}_4\{\mu_3-OEt\}]$
941. J. Chai, H. Zhu, Y. Peng, H.W. Roesky, S. Singh, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2004**, 2673 – 2677  
Synthesis and Structural Characterization of Monomeric Manganese(II) *N*-Heterocyclic Carbene Complexes  $[MnX_2(C\{N(iPr)C(Me)\}_2)_2]$  ( $X = Cl, I, \text{ and } MeCOO$ )
942. M. Gorol, N.C. Mösch-Zanetti, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Eur. J. Inorg. Chem. **2004**, 2678 – 2682  
Synthesis of a Novel Organoiridium(I) Fluoro Complex
943. J. Chai, H. Zhu, H.W. Roesky, Ch. He, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2004**, *23*, 3284 – 3269  
Synthesis, Structure, and Reactivity of  $\beta$ -Diketimate Complexes of Manganese(II)
944. A. Stasch, H.W. Roesky, D. Vidovic, J. Magull, H.-G. Schmidt, M. Noltemeyer  
Inorg. Chem. **2004**, *43*, 3625 – 3630  
Synthesis of Carbaalane Halogen Derivatives
945. Y. Peng, H. Fan, H. Zhu, H.W. Roesky, J. Magull, C.E. Hughes  
Angew. Chem. **2004**, *116*, 3525 – 3527  
Angew. Chem. Int. Ed. **2004**, *43*, 3443 - 3445



## Publikationen H. W. Roesky 1963 bis 2020

[{HC(CMeNAr)<sub>2</sub>}<sub>2</sub>Al<sub>2</sub>P<sub>4</sub>] (Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>): A reduction to a formal {P<sub>4</sub>}<sup>4-</sup> charged species

946. Y. Peng, J. Rong, D. Vidovic, H.W. Roesky, Th. Labahn, J. Magull, M. Noltemeyer, H.-G. Schmidt  
*J. Fluorine Chem.* **2004**, *125*, 951 – 957  
Synthesis and structural characterization of an unusual heptameric aluminum imide and the surface fluorination products of the Al<sub>7</sub>N<sub>7</sub> and Al<sub>4</sub>C<sub>4</sub>N<sub>4</sub> cores
947. G. Anantharaman, V. Chandrasekhar, U. N. Nehete, H.W. Roesky, D. Vidovic, J. Magull  
*Organometallics* **2004**, *23*, 2251 – 2256  
New polyhedral zinc siloxanes: synthesis and X-ray crystal structures of Zn<sub>8</sub>Me<sub>7</sub>(dioxane)<sub>2</sub>(O<sub>3</sub>SiR)<sub>3</sub> and [Zn<sub>7</sub>Me<sub>2</sub>(THF)<sub>5</sub>(O<sub>3</sub>SiR)<sub>4</sub>] (R = 2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>)
948. Y. Tang, H. Chen, J. Jiang, Z. Tang, B. Huang, H.W. Roesky  
*Journal of Power Sources* **2004**, *130*, 56 – 60  
Application of hydrogen-storage alloy electrode in electrochemical reduction of glucose
949. S. Sh. Kumar, J. Rong, S. Singh, H.W. Roesky, D. Vidovic, J. Magull, D. Neculai  
*Organometallics* **2004**, *23*, 3496 – 3500  
Synthesis and reactivity of the carbaalanes (AlH)<sub>6</sub>(AlNMe<sub>3</sub>)<sub>2</sub>(CCH<sub>2</sub>C<sub>5</sub>H<sub>4</sub>FeC<sub>5</sub>H<sub>5</sub>)<sub>6</sub> and (AlH)<sub>6</sub>(AlNMe<sub>3</sub>)<sub>2</sub>(CCH<sub>2</sub>Ph)<sub>6</sub>: X-ray crystal structure of (AlH)<sub>6</sub>(AlNMe<sub>3</sub>)<sub>2</sub>(CCH<sub>2</sub>C<sub>5</sub>H<sub>4</sub>FeC<sub>5</sub>H<sub>5</sub>)<sub>6</sub>
950. U.N. Nehete, G. Anantharaman, V. Chandrasekhar, R. Murugavel, M.G. Walawalkar, H.W. Roesky, D. Vidovic, J. Magull, K. Samwer, B. Sass  
*Angew. Chem.* **2004**, *116*, 3920 – 3923  
*Angew. Chem. Int. Ed.* **2004**, *43*, 3832 – 3835  
Polyhedral ferrous and ferric siloxanes
951. U.N. Nehete, V. Chandrasekhar, G. Anantharaman, H.W. Roesky, D. Vidovic, J. Magull  
*Angew. Chem.* **2004**, *116*, 3930 - 3932  
*Angew. Chem. Int. Ed.* **2004**, *43*, 3842 - 3844  
Molecular {(SnO)<sub>6</sub>} trapped by two {R<sub>2</sub>Si<sub>2</sub>O<sub>3</sub>} fragments: X-ray single-crystal structure of [(SnO)<sub>6</sub>(R<sub>2</sub>Si<sub>2</sub>O<sub>3</sub>)<sub>2</sub>]
952. H.W. Roesky, G. Anantharaman, V. Chandrasekhar, V. Jancik, S. Singh  
*Chem. Eur. J.* **2004**, *10*, 4106 – 4114  
Control of molecular topology and metal nuclearity in multimetallic assemblies: designer metallosiloxanes derived from silanetriols

## Publikationen H. W. Roesky 1963 bis 2020

953. V. Jancik, M.M. Moya Cabrera, H.W. Roesky, R. Herbst-Irmer, D. Neculai, A.M. Neculai, M. Noltemeyer, H.-G. Schmidt  
Eur. J. Inorg. Chem. **2004**, 3508 – 3512  
Phosphane-catalyzed reactions of  $\text{LAlH}_2$  with elemental chalcogens: preparation of  $[\text{LAl}(\mu\text{-E})_2\text{AlL}]$  [E = S, Se, Te, L =  $\text{HC}\{\text{C}(\text{Me})\text{N}(\text{Ar})\}_2$ , Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>]
954. H. Zhu, J. Chai, V. Chandrasekhar, H.W. Roesky, J. Magull, D. Vidovic, H.-G. Schmidt, M. Noltemeyer, P.P. Power, W.A. Merrill  
J. Am. Chem. Soc. **2004**, 126, 9472 – 9473  
Two types of intramolecular addition of an Al-N multiple-bonded monomer  $\text{LAlNAr}'$  arising from the reaction of  $\text{LAl}$  with  $\text{N}_3\text{Ar}'$  (L =  $\text{HC}[(\text{CMe})(\text{NAr})]_2$ , Ar' = 2,6Ar<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
955. S. Singh, S.S. Kumar, V. Chandrasekhar, H.-J. Ahn, M. Biadene, H.W. Roesky, N.S. Hosmane, M. Noltemeyer, H.-G. Schmidt  
Angew. Chem. **2004**, 116, 5048 - 5051  
Angew. Chem. Int. Ed. **2004**, 43, 4940 – 4943  
Tetranuclear homo- and heteroalumoxanes containing reactive functional groups: syntheses and X-ray crystal structures of  $[\{\text{LAl}(\text{Me})\}(\mu\text{-O}(\text{MH}_2))_2]$
956. H. Zhu, J. Chai, A. Stasch, H.W. Roesky, T. Blunck, D. Vidovic, J. Magull, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Chem. **2004**, 4046 – 4051  
Reactions of the aluminum(I) monomer  $\text{LAl}$  [L =  $\text{HC}\{(\text{CMe})(\text{NAr})\}_2$ ; Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>] with imidazol-2-ylidene and diphenyldiazomethane. A hydrogen transfer from the L ligand to the central aluminum atom and formation of the diiminylaluminum compound  $\text{LAl}(\text{N}=\text{CPh}_2)_2$
957. J. van Droogenbroeck, K. Tersago, Ch. Van Alsenoy, S.M. Aucott, H.L. Milton, J.D. Woollins, F. Blockhuys  
Eur. J. Inorg. Chem. **2004**, 3798 – 3805  
Roesky's ketone: structure, aromaticity and reactivity
958. L.W. Pineda, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Angew. Chem. **2004**, 116, 5650 – 5652  
Angew. Chem. Int. Ed. **2004**, 43, 5534 – 5536  
Germacarboxylic acid: an organic-acid analogue based on a heavier group 14 element
959. A. Stasch, S. Singh, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Eur. J. Inorg. Chem. **2004**, 4052 – 4055  
Adducts of aluminum and gallium trichloride with a *N*-heterocyclic carbene and an adduct of aluminum trichloride with a thione

## Publikationen H. W. Roesky 1963 bis 2020

960. A. Stasch, S. Shravan Kumar, V. Jancik, H.W. Roesky, J. Magull, M. Noltemeyer  
Eur. J. Inorg. Chem. **2004**, 4056 – 4060  
Methyl substitution of aluminum – hydride bonds in a carbaalane and an aluminum imide
961. J. Wang, S. Li, C. Zheng, A. Li, N.S. Hosmane, J.A. Maguire, H.W. Roesky, C.C. Cummins, W. Kaim  
Organometallics **2004**, 23, 4621 – 4629  
Chemistry of C-trimethylsilyl-substituted hetero-carboranes. 30. Synthetic and structural studies on oxide ion encapsulating tetralanthanide tetrahedra surrounded by “carbons apart” C<sub>2</sub>B<sub>4</sub>-carborane ligands (Ln(III) = La, Nd, Gd, Tb, Ho, Lu)
962. Y. Peng, H. Hao, V. Jancik, H.W. Roesky, R. Herbst-Irmer, J. Magull  
Dalton Trans., **2004**, 3548 – 3551  
Synthesis and structures of aluminum monohydride and chalcogenides bearing a bidentate [N,O] ligand
963. U.N. Nehete, V. Chandrasekhar, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Organometallics **2004**, 23, 5372 – 5374  
Heavy-metal-containing polyhedral metallasiloxane derived from an aminosilanetriol: synthesis and structural characterization of [(PbO)<sub>6</sub>(R<sub>2</sub>Si<sub>2</sub>O<sub>3</sub>)<sub>2</sub>] (R = (2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>))
964. R. Murugavel, M.G. Walawalkar, M. Dan, H.W. Roesky, C.N.R. Rao  
Acc. Chem. Res. **2004**, 37, 763 – 774  
Transformations of molecules and secondary building units to materials: a bottom-up approach
965. V. Jancik, H.W. Roesky, D. Neculai, A.M. Neculai, R. Herbst-Irmer  
Angew. Chem. **2004**, 116, 6318 – 6322  
Angew. Chem. Int. Ed. **2004**, 43, 6192 - 6196  
Preparation of [LAl(μ-S)<sub>2</sub>MCp<sub>2</sub>] (M = Ti, Zr) from the structurally characterized lithium complexes [ {LAl(SH)[SLi(thf)<sub>2</sub>] }<sub>2</sub>] and [ {LAl(SLi)<sub>2</sub>(thf)<sub>3</sub> }<sub>2</sub>] · 2 THF
966. Y. Peng, H. Fan, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Angew. Chem. **2004**, 116, 6316 - 6318  
Angew. Chem. Int. Ed. **2004**, 43, 6190 – 6192  
[LAl(μ-S<sub>3</sub>)<sub>2</sub>AlL]: a homobimetallic derivative of the sulphur crown S<sub>8</sub>.
967. H.W. Roesky  
Inorg. Chem. **2004**, 43, 7284 – 7293  
The Renaissance of Aluminum Chemistry

## Publikationen H. W. Roesky 1963 bis 2020

968. S.S. Kumar, H.W. Roesky  
Dalton Trans., **2004**, 3927 – 3937  
Hydroalumination reactions on acetylenes and nitriles in the synthesis of carbaalanes and imidoalanes: an overview
969. H.W. Roesky  
Aldrichimica ACTA **2004**, 37, 103 – 108  
Hydroalumination reactions in organic chemistry
970. A. Mazzah, H.W. Roesky, R. De Jaeger  
Phosphazenes: A worldwide insight, Ed. M. Gleria, R. DeJaeger, Nova Science Publishers, Inc. **2004**, 883 – 908  
Metal-phosphorus-nitrogen heterocycles, metallacycloposphazenes and imidodiphosphato metal complexes
971. H.W. Roesky  
J. Fluorine Chem. **2004**, 125, 1765 – 1769  
Preparation of fluorine compounds of groups 13 and 14; a study case for the diagonal relationship of aluminum and germanium
972. J. Chai, H. Zhu, Q. Ma, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2004**, 4807 – 4811  
Synthesis and structural characterization of three-coordinate  $Mn^{II}$ ,  $Fe^{II}$ , and  $Zn^{II}$  complexes containing a bulky ligand  $[DippN(CH_2)_3NDipp]^{2-}$  (Dipp = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
973. Y. Tang, L. Lu, H.W. Roesky, L. Wang, B. Huang  
Journal of Power Sources **2004**, 138, 313 – 318  
The effect of zinc on the aluminum anode of the aluminum-air battery
974. H. Zhu, J. Chai, Q. Ma, V. Jancik, H.W. Roesky, H. Fan, R. Herbst-Irmer  
J. Am. Chem. Soc. **2004**, 126, 10194 – 10195  
A seven-membered aluminum sulfur allenyl heterocycle arising from the conversion of an aluminacyclopropene with CS<sub>2</sub>
975. H.W. Roesky, S. Singh, V. Jancik, V. Chandrasekhar  
Acc. Chem. Res. **2004**, 37, 969 – 981  
A paradigm change in assembling OH functionalities on metal centers
976. W. Uhl, H.W. Roesky  
Molecular Clusters of the Main Group Elements, M. Dries, H. Nöth Ed., Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, **2004**, 357 – 390

## Publikationen H. W. Roesky 1963 bis 2020

977. H.W. Roesky  
Modern Aspects of Main Group Chemistry, M. Lattmann,  
R.A. Kemp, Ed., ACS Symposium Series **2004**, 917, 20 – 31  
Al-H-C Chemistry
978. U.N. Nehete, V. Chandrasekhar, H.W. Roesky, J. Magull  
Angew. Chem. **2005**, 117, 285 – 288  
Angew. Chem. Int. Ed. **2005**, 43, 281 - 284  
The formal conversion of SiOH protons into hydrides by  
germanium(II) species leads to the formation of the  
germanium(IV) hydride cluster [(RSiO<sub>3</sub>GeH)<sub>4</sub>]
979. J. Chai, V. Jancik, S. Singh, H. Zhu, Ch. He, H.W. Roesky,  
H.-G. Schmidt, M. Noltemeyer, N. S. Hosmane  
J. Am. Chem. Soc. **2005**, 127, 7521 – 7528  
Synthesis of a new class of compounds containing a Ln-O-Al  
arrangement and their reactions and catalytic properties
980. L.W. Pineda, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Inorg. Chem. **2005**, 44, 3537 – 3540  
OH functionality of germanium(II) compounds for the  
formation of heterobimetallic oxides
981. H. Zhu, J. Chai, H. Fan, H.W. Roesky, U.N. Nehete, H.-G.  
Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2005**, 2147 – 2150  
A rearrangement of azobenzene upon interaction with an  
aluminum(I) monomer LAl {L = H[(CMe)(NAr)]<sub>2</sub>, Ar = 2,6-  
*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>}
982. S.S. Kumar, H.W. Roesky, O. Andronesi, M. Baldus, R.F.  
Winter  
Inorganica Chimica Acta **2005**, 358, 2349 – 2354  
Synthesis and electrochemical behavior of the ferrocenyl  
units assembled on imidoalane and carbaalane clusters
983. H.W. Roesky, U.N. Nehete, S. Singh, H.-G. Schmidt, Y.G.  
Shermolvich  
Main Group Chemistry **2005**, 4, 11 – 21  
Synthesis and chemical properties of tetraalkyl-substituted  
thiourea adducts with chlorine
984. V. Jancik, L.W. Pineda, A.C. Stückl, H.W. Roesky, R.  
Herbst-Irmer  
Organometallics **2005**, 24, 1511 – 1515  
Preparation of Monomeric LGa(NH<sub>2</sub>)<sub>2</sub> and of LGa(OH)<sub>2</sub> in  
the presence of a N-heterocyclic carbene as HCl acceptor

## Publikationen H. W. Roesky 1963 bis 2020

985. H. Jarzina, S. Sievers, Ch. Jooss, H.C. Freyhardt, P. Lobinger, H.W. Roesky  
Supercond. Sci, Technol. **2005**, *18*, 260 – 263  
Epitaxial MOD-YSZ buffer layers on IBAD-YSZ substrates
986. S. S. Kumar, S. Singh, H.W. Roesky, J. Magull  
Inorg. Chem. **2005**, *44*, 1199 – 1201  
Reaction of  $\text{LiAlH}_2$  with *tert*-Butyl Hydrogenperoxide under C-H bond activation and substitution leads to the formation of a pentacoordinated *tert*-Butylperoxo aluminum compound
987. G. Bai, S. Singh, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
J. Am. Chem. Soc. **2005**, *127*, 3449 – 3455  
Mononuclear aluminum hydroxide for the design of well-defined homogeneous catalysts
988. H. Zhu, J. Chai, Ch. He, G. Bai, H.W. Roesky, V. Jancik, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2005**, *24*, 380 – 384  
Stepwise hydrolysis of aluminum chloride iodide  $\text{LALCl}_2$  ( $\text{L} = \text{HC}[(\text{CMe})(\text{NAr})]_2$ ,  $\text{Ar} = 2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3$ ) in the presence of *N*-heterocyclic carbene as hydrogen halide acceptor
989. H. Zhu, J. Chai, V. Jancik, H.W. Roesky, W.A. Merrill, P.P. Power  
J. Am. Chem. Soc. **2005**, *127*, 10170 – 10171  
The selective preparation of an aluminum oxide and its isomeric C-H-activated hydroxide
990. S. Singh, S.S. Kumar, V. Jancik, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Eur. J. Inorg. Chem. **2005**, 3057-3062  
A facile one-step synthesis of a lipophilic gold(I) carbene complex – X-ray crystal structures of  $\text{LAuCl}$  and  $\text{LAuC}\equiv\text{CH}$  ( $\text{L} = 1,3\text{-di-}i\text{tert-butyl imidazol-2-ylidene}$ )
991. H.W. Roesky  
Chem. Unserer Zeit **2005**, *39*, 139  
Pinakothek der Chemie I
992. H.W. Roesky  
Chem. Unserer Zeit **2005**, *39*, 291  
Pinakothek der Chemie II
993. H. Zhu, J. Chai, H. Fan, H.W. Roesky, Ch. He, V. Jancik, H.-G. Schmidt, M. Noltemeyer, W.A. Merrill, P.P. Power  
Angew. Chem. **2005**, *117*, 5220 – 5223  
Angew. Chem. Int. Ed. **2005**, *44*, 5090 – 5093  
A stable aluminacyclopropene  $\text{LAl}(\eta^2\text{-C}_2\text{H}_2)$  and its end-on azide insertion to an aluminaazacyclobutene

## Publikationen H. W. Roesky 1963 bis 2020

994. A. Stasch, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Inorg. Chem. **2005**, *44*, 5854 – 5857  
Aluminum hydride cations stabilized by weakly coordinating carbaalanates
995. H.W. Roesky, S.S. Kumar  
Chem. Commun, **2005**, 4027 – 4038  
Chemistry of aluminum(I)
996. J. Chai, H. Zhu, A.C. Stückl, H.W. Roesky, J. Magull, A. Bencini, A. Caneschi, D. Gatteschi  
J. Am. Chem. Soc. **2005**, *127*, 9201 – 9206  
Synthesis and reaction of [ $\{HC(CMeNAr)_2\}Mn\}_2$  (Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>): The complex containing three-coordinate manganese(I) with a Mn-Mn bond exhibiting unusual magnetic properties and electronic structure
997. Z. Yang, X. Ma, R.B. Oswald, H.W. Roesky, H. Zhu, C. Schulzke, K. Starke, M. Baldus, H.-G. Schmidt, M. Noltemeyer  
Angew. Chem. **2005**, *117*, 7234 – 7236  
Angew. Chem. Int. Ed. **2005**, *44*, 7072 – 7074  
Janus-faced aluminum: A demonstration of unique Lewis Acid and Lewis Base behavior of the aluminum atom in [LAIB(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>]
998. H.W. Roesky  
Chem. Unserer Zeit **2005**, *39*, 364  
Pinakothek der Chemie III
999. V. Jancik, H.W. Roesky  
Angew. Chem. **2005**, *117*, 6170 – 6172  
Angew. Chem. Int. Ed. **2005**, *44*, 6016 – 6018  
Preparation of Heterobimetallic Oxide-Hydroxide-Hydrogensulfides [LA(OH)( $\mu$ -O)MCp<sub>2</sub>(SH)] (M = Ti, Zr)
1000. M. Gorol, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Eur. J. Inorg. Chem. **2005**, 4840 – 4844  
( $\eta^5$ -Pentamethylcyclopentadienyl)Iridium(III) complexes with  $\eta^2$ -P,S Ligands
1001. G. Bai, S. Singh, H.W. Roesky, M. Noltemeyer, H.-G. Schmidt  
Chemie. Schweizer Fachzeitschrift der Chemieberufe, **2005**, *11*, 16  
Kunststoffe: Neuer Katalysator für günstiges Herstellungsverfahren
1002. H.W. Roesky  
Chem. Unserer Zeit **2005**, *39*, 429

## Publikationen H. W. Roesky 1963 bis 2020

Pinakothek der Chemie IV

1003. H.W. Roesky  
Aus den Elfenbeintürmen der Wissenschaft  
1. XLAB Science Festival. Hrsg. E.M. Neher, Wallstein-Verlag **2005**, 205 -223  
Chemische Kabinettstücke
1004. P. Lobinger, H. Jarzina, H.W. Roesky, S. Singh, S.S. Kumar, H.-G. Schmidt, M. Noltemeyer, H.C. Freyhardt  
Inorg. Chem. **2005**, *44*, 9192 – 9196  
New synthetic approach to yttrium hydroxoacetates, structural characterization, and use as a precursor for coated conductors
1005. J. Chai, H. Zhu, H.W. Roesky, Z. Yang, V. Jancik, R. Herbst-Irmer, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2004**, *23*, 5003 – 5006  
Synthesis and structure of allyl and alkynyl complexes of manganese(II) supported by a bulky  $\beta$ -diketiminato ligand
1006. V. Jancik, H.W. Roesky  
Inorg. Chem. **2005**, *44*, 5556 – 5558  
Unusual anions  $[\text{LAl}(\text{SH})(\text{S})]^-$  and  $[\text{LAl}(\text{S})_2]^{2-}$  stabilized by weakly coordinating imidazolium cations. Synthesis of  $\text{LAl}(\text{SSiMe}_2)_2\text{O}$  ( $\text{L} = \text{HC}[\text{C}(\text{Me})\text{N}(\text{Ar})]_2$ ,  $\text{AR} = 2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3$ )
1007. A.N. Madalan, M. Noltemeyer, M. Neculai, H.W. Roesky, M. Schmidtman, A. Müller, Y. Journaux, M. Andruh  
Inorganica Chimica Acta **2006**, *359*, 459 – 467  
Chemistry at the apical position of square-pyramidal copper(II) complexes: synthesis, crystal structures, and magnetic properties of homopolynuclear complexes with azido bridges containing  $[\text{Cu}(\text{AA})(\text{BB})]^+$  moieties ( $\text{AA} =$  acetylacetonate;  $\text{BB} = 1,10\text{-phenanthroline}$ ,  $\text{bipy} = 2,2'$ -bipyridine)
1008. U.N. Nehete, H.W. Roesky, H. Zhu, S. Nembenna, H.-G. Schmidt, M. Noltemeyer, D. Bogdanov, K. Samwer  
Inorg. Chem. **2005**, *44*, 7243 – 7248  
Polyhedral cobalt(II) and iron(II) siloxanes: Synthesis and X-ray crystal structure of  $[(\text{RSi}(\text{OH})\text{O}_2)\text{Co}(\text{OPMe}_3)_4]$  and  $[(\text{RSiO}_3)_2(\text{RSi}(\text{OH})\text{O}_2)_4(\mu\text{-OH})_2\text{Fe}_8(\text{THF})_4]$  ( $\text{R} = (2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3)\text{N}(\text{SiMe}_3)$ )
1009. H. Zhu, Z. Yang, J. Magull, H.W. Roesky, H.-G. Schmidt, M. Noltemeyer  
Organometallics **2005**, *24*, 6420 - 6425  
Syntheses and structural characterization of a  $\text{LAl}(\text{N}_3)\text{N}[\mu\text{-Si}(\text{N}_3)(t\text{Bu})]_2\text{NAl}(\text{N}_3)\text{L}$  and a monomeric aluminum hydride



## Publikationen H. W. Roesky 1963 bis 2020

amide LAIH(NHAr) (L = HC[CMe](NAr)<sub>2</sub>, Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)

1010. H.W. Roesky  
Chem. Unserer Zeit **2006**, 40, 67  
Pinakothek der Chemie V
1011. H.W. Roesky  
Inorganic Chemistry in Focus II. Ed. G. Meyer, D. Naumann,  
L. Wesemann, Wiley-VCH **2005**, 89 – 103  
Aluminum(I) chemistry
1012. K. Tersago, Ch. Van Alsenoy, J. Derek Woollins, F.  
Blockhuys  
Chemical Physics Letters **2006**, 423, 422 – 426  
The molecular structure of Roesky's sulfoxide – Another  
computational challenge
1013. J. Löbl, J. Pinkas, H.W. Roesky, W. Plass, H. Görls  
Inorg. Chem. **2006**, 45, 6571 – 6573  
A supramolecular hexameric ring from alumazene and  
methylsulfonate
1014. S. Singh, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Inorg. Chem. **2006**, 45, 949 – 951  
Synthesis, characterization, and X-ray crystal structure of a  
gallium monohydroxide and a hetero-bimetallic gallium  
zirconium oxide
1015. Z. Yang, H. Zhu, X. Ma, J. Chai, H.W. Roesky, Ch. He, J.  
Magull, H.-G. Schmidt, M. Noltemeyer  
Inorg. Chem. **2006**, 45, 1823 – 1827  
Synthesis, characterization and hydrolysis of aluminum(III)  
compounds bearing the C<sub>6</sub>F<sub>5</sub>-substituted  $\beta$ -diketiminato  
HC[(CMe)(NC<sub>6</sub>F<sub>5</sub>)]<sub>2</sub> (L) ligand
1016. S. Singh, H.-J. Ahn, A. Stasch, V. Jancik, H.W. Roesky, A.  
Pal, M. Biadene, R. Herbst-Irmer, M. Noltemeyer, H.-G.  
Schmidt  
Inorg. Chem. **2006**, 45, 1853 – 1860  
Syntheses, characterization, and X-ray crystal structures of  $\beta$ -  
diketiminato group 13 hydrides, chlorides, and fluorides
1017. Z. Yang, X. Ma, R.B. Oswald, H.W. Roesky, C. Cui, H.-G.  
Schmidt, M. Noltemeyer  
Angew. Chem. **2006**, 118, 2335 - 2338  
Angew. Chem. Int. Ed. **2006**, 45, 2277 – 2280  
An unprecedented example of a heterotrimetallic main-group  
[L<sub>2</sub>Al<sub>2</sub>Ge<sub>4</sub>Li<sub>2</sub>S<sub>7</sub>] cluster containing a Ge<sup>II</sup>-Ge<sup>II</sup> donor-  
acceptor bond

## Publikationen H. W. Roesky 1963 bis 2020

1018. L.W. Pineda, V. Jancik, K. Starke, R.B. Oswald, H.W. Roesky  
*Angew. Chem.* **2006**, *118*, 2664 - 2667  
*Angew. Chem. Int. Ed.* **2006**, *45*, 2602 – 2605  
Stable monomeric germanium(II) and tin(II) compounds with terminal hydrides
1019. L.W. Pineda, V. Jancik, J.F. Colunga-Valladares, H.W. Roesky, A. Hofmeister, J. Magull  
*Organometallics* **2006**, *25*, 2381 – 2383  
Lewis base character of hydroxygermylenes for the preparation of heterobimetallic LGe(OH)M systems (M = Fe, Mn, L = HC[(CMe)(NAr)]<sub>2</sub>, Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
1020. L.W. Pineda, V. Jancik, R.B. Oswald, H.W. Roesky  
*Organometallics* **2006**, *25*, 2384 – 2387  
Preparation of LGe(Se)OH: A germanium analogue of a selenocarboxylic acid (L = HC[(CMe)(NAr)]<sub>2</sub>, Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)
1021. Z. Yang, X. Ma, V. Jancik, Z. Zhang, H.W. Roesky, J. Magull, M. Noltemeyer, H.-G. Schmidt, R. Cea-Olivares, R.A. Toscano  
*Inorg. Chem.* **2006**, *45*, 3312 – 3315  
Synthesis and characterization of aluminum-containing Tin(IV) heterobimetallic sulfides
1022. C.W. So, H.W. Roesky, J. Magull, R.B. Oswald  
*Angew. Chem.* **2006**, *118*, 4052 - 4054  
*Angew. Chem. Int. Ed.* **2006**, *45*, 3948 - 3950  
Synthesis and characterization of [PhC(NtBu)<sub>2</sub>]SiCl: a stable monomeric chlorosilylene
1023. H.W. Roesky  
*Chem. Unserer Zeit* **2006**, *40*, 211  
Pinakothek der Chemie VI
1024. L. Sorace, Ch. Golze, D. Gatteschi, A. Bencini, H.W. Roesky, J. Chai, A. C. Stückl  
*Inorg. Chem.* **2006**, *45*, 395 – 400  
Low-valent low-coordinated manganese(I) ion dimer: a temperature dependent W-band EPR study
1025. H. Zhu, R.B. Oswald, H. Fan, H.W. Roesky, Q. Ma, Z. Yang, H.-G. Schmidt, M. Noltemeyer, K. Starke, N.S. Hosmane  
*J. Am. Chem. Soc.* **2006**, *128*, 5100 – 5108  
Aluminacyclopentene: Syntheses, characterization, and reactivity toward terminal alkynes
1026. X. Li, H. Song, L. Duan, Ch. Cui, H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

- Inorg. Chem. **2006**, *45*, 1912 – 1914  
C-H-activated aluminum hydroxide via molecular oxygen
1027. M. Moya-Cabrera, V. Jancik, R.A. Castro, R. Herbst-Irmer, H.W. Roesky  
Inorg. Chem. **2006**, *45*, 5167 – 5171  
Unusual  $\text{In}_2\text{N}_4$  cores in complexes containing triazole-based chalcogen-phosphoranyl ligands
1028. H.W. Roesky  
Jahrbuch 2005 der Deutschen Akademie der Naturforscher Leopoldina **2006**, *51*,  
Symposium „Chemistry and Art in Theory and Practice
1029. S. Singh, A. Pal, H.W. Roesky, R. Herbst-Irmer  
Eur. J. Inorg. Chem. **2006**, 4029 – 4032  
Adducts of  $\text{Cp}_3\text{Ln}$  with  $\text{LGa}(\text{Me})\text{OH}$ , synthesis and X-ray crystal structures of  $\text{LGa}(\text{Me})\text{HO} \rightarrow \text{LnCp}_3$  {Ln = Sm, Nd, Yb; L =  $\text{HC}[\text{C}(\text{Me})\text{N}(2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3)]_2$ }
1030. H.W. Roesky, S. Singh, K.K.M. Yusuff, J.A. Maguire, N.S. Hosmane  
Chem. Rev. **2006**, *106*, 3813 – 3843  
Organometallic hydroxides of transition elements
1031. Z. Yang, X. Ma, R.B. Oswald, H.W. Roesky, M. Noltemeyer  
J. Am. Chem. Soc. **2006**, *128*, 12406 – 12407  
Synthesis of an aluminum spirocyclic hybrid with an inorganic  $\text{B}_2\text{O}_3$  and an organic  $\text{C}_3\text{N}_2\text{O}_3$  core
1032. S. Nembenna, H.W. Roesky, S.K. Mandal, R.B. Oswald, A. Pal, R. Herbst-Irmer, M. Noltemeyer, H.-G. Schmidt  
J. Am. Chem. Soc. **2006**, *128*, 13056 – 13057  
Soluble molecular compounds with the Mg-O-Al structural motif: A model approach for the fixation of organometallics on a MgO Surface
1033. D. Visinescu, J.-P. Sutter, H.W. Roesky, J. Magull, M. Andruh  
Revue Roumaine de Chimie **2005**, *50*, 737 – 743  
A new supramolecular multimetallic system containing three different spin-carriers
1034. C. Ruspic, S. Nembenna, A. Hofmeister, J. Magull, S. Harder, H.W. Roesky  
J. Am. Chem. Soc. **2006**, *128*, 15000 – 15004  
A well-defined hydrocarbon-soluble calcium hydroxide: Synthesis, structure and reactivity
1035. J. Löbl, J. Pinkas, H.W. Roesky, W. Plass, H. Görls

## Publikationen H. W. Roesky 1963 bis 2020

- Inorg. Chem. **2006**, *45*, 6571 – 6573  
A supramolecular hexameric ring from alumazene and methylsulfonate
1036. J. Pinkas, J. Löbl, H.W. Roesky  
Phosphorus, Sulfur, and Silicon **2004**, *179*, 759-763  
Chemical reactivity of alumazene
1037. P.M. Gurubasavaraj, S.K. Mandal, H.W. Roesky, R.B. Oswald, A. Pal, M. Noltemeyer  
Inorg. Chem. **2007**, *46*, 1056 - 1061  
Synthesis, structural characterization, catalytic properties, and theoretical study of compounds containing an Al-O-M (M = Ti, Hf) core
1038. U.N. Nehete, H.W. Roesky, V. Jancik, A. Pal, J. Magull  
Inorganica Chimica Acta **2007**, *360*, 1248 – 1257  
Polyhedral antimony(III) and bismuth(III) siloxanes: Synthesis, spectral studies, and structural characterization of [Sb(O<sub>2</sub>SiR)<sub>4</sub>] and [Bi<sub>12</sub>(O<sub>3</sub>SiR)<sub>8</sub>(μ<sub>3</sub>-O)<sub>4</sub>Cl<sub>4</sub>(THF)<sub>8</sub>] (R = (2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)N(SiMe<sub>3</sub>))
1039. S. Singh, H.W. Roesky  
J. Fluorine Chem. **2007**, *128*, 369 – 377  
Fluorine functionalized compounds of group 13 elements
1040. S. Singh, H.W. Roesky  
Dalton Trans. **2007**, 1360 – 1370  
Robust and efficient molecular catalysts with a M-O-M' framework
1041. H.W. Roesky, U.N. Nehete, S. Singh, H.-G. Schmidt, Y.G. Shermolovich  
in: Main Group Chemistry, Ed. D.A. Atwood, **2005**, *4*, 11 – 21  
Synthesis and chemical properties of tetraalkyl-substituted thiourea adducts with chlorine
1042. S. Blaurock, M. Scholz, H.W. Roesky, F.T. Edelmann  
Acta Cryst. **2007**, E63, o3247,  
Dichloro(dimethylsulfoximino)phosphane
1043. S. Nembenna, H.W. Roesky, S. Nagendran, A. Hofmeister, J. Magull, P.-J. Wilbrandt, M. Hahn  
Angew. Chem. **2007**, *119*, 2564 - 2566  
Angew. Chem. Int. Ed. **2007**, *46*, 2512 - 2514  
A well defined hydrocarbon-soluble calcium monofluoride, [LCaF(thf)<sub>2</sub>]: The application of soluble calcium derivatives for surface coating
1044. P.M. Gurubasavaraj, H.W. Roesky, P.M.V. Sharma, R.B. Oswald, V. Dolle, R. Herbst-Irmer, A. Pal

## Publikationen H. W. Roesky 1963 bis 2020

- Organometallics **2007**, *26*, 3346 – 3351  
Oxygen effect in heterobimetallic catalysis: The Zr-O-Ti system as an excellent example for olefin polymerization
1045. S. Singh, A. Pal, H.W. Roesky, R. Herbst-Irmer  
Eur. J. Inorg. Chem. **2006**, 4029 – 4032  
Adducts of Cp<sub>3</sub>Ln with LGa(Me)OH, syntheses and X-ray crystal structures of LGa(Me)HO → LnCp<sub>3</sub>{Ln = Sm, Nd, Yb; L = HC[C(Me)N(2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)]<sub>2</sub>}
1046. K. Tersago, V. Matuska, Ch. Van Alsenoy, A.M.Z. Slawin, J.D. Woollins, F. Blockhuys  
Dalton Trans., **2007**, 4529 - 4535  
Structure, bonding, aromaticity and reactivity of Roesky's sulfoxide
1047. S.K. Ritter  
Chemical & Engineering News **2007**, *85*, 38  
Herbert W. Roesky: Calcium fluoride goes soluble
1048. G.B. Nikiforov, H.W. Roesky, P.G. Jones, R.B. Oswald, M. Noltemeyer  
Dalton Trans., **2007**, 4149 – 4159  
A ligand influence on the stability of heterobimetallic complexes containing the Ti(μ-O)Al skeleton. Transformation of heterometallic systems to the homometallic Ti(IV) and Al(III) complexes
1049. S.K. Mandal, P.M. Gurubasavaraj, H.W. Roesky, R.B. Oswald, J. Magull, A. Ringe  
Inorg. Chem. **2007**, *46*, 7594 – 7600  
Synthesis, structural characterization and theoretical investigation of compounds containing an Al-O-M-O-Al (M = Ti, Zr) core
1050. Z. Yang, X. Ma, H.W. Roesky, Y. Yang, J. Magull, A. Ringe  
Inorg. Chem. **2007**, *46*, 7093 – 7096  
Synthesis and characterization of well-defined aluminum containing heterobimetallic selenides
1051. L.W. Pineda, V. Jancik, S. Nembenna, H.W. Roesky  
Z. Anorg. Allg. Chem. **2007**, *633*, 2205 – 2209  
Synthetic and structural studies of lead and bismuth organohalides bearing a β-diketiminato ligand
1052. S. Singh, J. Chai, A. Pal, V. Jancik, H.W. Roesky, R. Herbst-Irmer  
Chem. Commun. **2007**, 4934 – 4963  
Base free lithium-organoaluminate and the gallium congener: potential precursors to heterometallic assemblies

## Publikationen H. W. Roesky 1963 bis 2020

1053. Z. Yang, X. Ma, H.W. Roesky, Y. Yang, V.M. Jiménez-Pérez, J. Magull, A. Ringe, P.G. Jones  
Eur. J. Inorg. Chem. **2007**, 4919 – 4922  
Syntheses, characterizations, and X-ray single-crystal structures of 1,8-bis(trimethylsilylamino)naphthalene aluminum hydride and the methyl derivative
1054. C.-W. So, H.W. Roesky, P.M. Gurubasavaraj, R.B. Oswald, M.T. Gamer, P.G. Jones, S. Blaurock  
J. Am. Chem. Soc. **2007**, 129, 12049 – 12054  
Synthesis and structures of heteroleptic silylenes
1055. C.-W. So, H.W. Roesky, R.B. Oswald, A. Pal, P.G. Jones  
Dalton Trans., **2007**, 5241 – 5244  
Synthesis and characterization of [ $\{\text{PhC}(\text{N}^t\text{Bu})_2\}\text{Si}(\text{S})\text{S}^t\text{Bu}$ ], a silicon thioester analogue with the Si(=S)-S-skeleton
1056. Y. Yang, H.W. Roesky, P.G. Jones, C.-W. So, Z. Zhang, R. Herbst-Irmer, H. Ye  
Inorganic Chemistry **2007**, 46, 10860 -10863  
Synthesis and structural characterization of monomeric heterobimetallic oxides with a Ge(II)-O-M skeleton (M = Yb, Y)
1057. C.D. Ene, F. Tuna, O. Fabelo, C. Ruiz-Pérez, A.M. Madalan, H.W. Roesky, M. Andruh  
Polyhedron **2007**, 27, 574 - 582  
One-dimensional and two-dimensional coordination polymers constructed from copper(II) nodes and polycarboxylato spacers: synthesis, crystal structures and magnetic properties
1058. Y. Yang, Th. Schulz, M. John, Z. Yang, V.M. Jiménez-Pérez, H.W. Roesky, P.M. Gurubasavaraj, D. Stalke, H. Ye  
Organometallics **2008**, 27, 769 – 777  
Organoaluminum hydroxides supported by  $\beta$ -diketiminato ligands: synthesis, structural characterization, and reactions
1059. S. Nagendran, H.W. Roesky  
Organometallics **2008**, 27, 457 – 492  
The chemistry of aluminum(I), silicon(II), and germanium(II)
1060. S. Singh, S. Nembenna, V. Jancik, H.W. Roesky  
Eur.J.Inorg.Chem. **2008**, 1042 – 1044  
Antimony amide oxide and antimony chloride oxide wrapped in an organoaluminum framework
1061. C.D. Ene, F. Tuna, O. Fabelo, C. Ruiz-Pérez, A.M. Madalan, H.W. Roesky, M. Andruh  
Polyhedron **2008**, 27, 574 – 582

## Publikationen H. W. Roesky 1963 bis 2020

One-dimensional and two-dimensional coordination polymers constructed from copper(II) nodes and polycarboxylato spacers: Synthesis, crystal structures and magnetic properties

1062. G.B. Nikiforov, H.W. Roesky, P.G. Jones, J. Magull, A. Ringe, R.B. Oswald  
*Inorg. Chem.* **2008**, *47*, 2171 – 2179  
Preparation of Ti(IV) fluoride *N*-heterocyclic carbene complexes
1063. Y. Yang, P.M. Gurubasavaraj, H. Ye, Z. Zhang, H.W. Roesky, P.G. Jones  
*J. Organomet. Chem.* **2008**, *693*, 1455 – 1461  
Synthesis, structural characterization, and reactivity of the ethyl substituted aluminum hydroxide and catalytic properties of its derivative
1064. Y. Yang, Th. Schulz, M. John, A. Ringe, H.W. Roesky, D. Stalke, J. Magull, H. Ye  
*Inorg. Chem.* **2008**, *47*, 2585 - 2592  
Synthesis, characterization, and reaction of aluminum halide amides supported by a bulky  $\beta$ -diketiminato ligand
1065. G.B. Nikiforov, H.W. Roesky, B.C. Heisen, Ch. Grosse, R.B. Oswald  
*Organometallics* **2008**, *27*, 2544 – 2548  
Formation of a titanium complex with a  $\text{Ti}=\text{CHAl}_2$  structural unit from  $\text{LTiMe}_3$  and trimethylaluminum
1066. S. Sarish, S. Nembenna, S. Nagendran, H.W. Roesky, A. Pal, R. Herbst-Irmer, A. Ringe, J. Magull  
*Inorg. Chem.* **2008**, *47*, 5971 – 5977  
A reactivity change of a strontium monohydroxide by umpolung to an acid
1067. P.M. Gurubasavaraj, H.W. Roesky, B. Nekoueishahraki, A. Pal, R. Herbst-Irmer  
*Inorg. Chem.* **2008**, *47*, 5324 – 5331  
From unstable to stable: Half-metallocene catalysis for olefin polymerization
1068. G.B. Nikiforov, H.W. Roesky, P.G. Jones  
*J. Fluorine Chem.* **2008**, *129*, 376 – 381  
Preparation of the hydrocarbon-soluble trifluoro complex  $\text{LTiF}_3$  with a  $\beta$ -diketiminato ligand
1069. V.M. Jiménez-Pérez, B.M. Muñoz-Flores, H.W. Roesky, Th. Schulz, A. Pal, T. Beck, Z. Yang, D. Stalke, R. Santillan, M. Witt  
*Eur. J. Inorg. Chem.* **2008**, 2238 – 2243

## Publikationen H. W. Roesky 1963 bis 2020

Monomeric boron and tin(II) heterocyclic derivatives of 1,8-diaminonaphthalenes: Synthesis, characterization and X-ray structures

1070. Z. Yang, X. Ma, H.W. Roesky, Y. Yang, H. Zhu, J. Magull, A. Ringe  
Z. Anorg. Allg. Chem. **2008**, 634, 1490 – 1492  
Synthesis and characterization of gallium(III) and germanium(II) chlorides bearing the C<sub>6</sub>F<sub>5</sub> substituted  $\beta$ -diketiminato HC[(CMe)(NC<sub>6</sub>F<sub>5</sub>)<sub>2</sub>] ligand
1071. G.B. Nikiforov, H.W. Roesky, Th. Schulz, D. Stalke, M. Witt  
Inorg. Chem. **2008**, 47, 6435 – 6443  
On the quest for new mixed-metal  $\mu$ -oxo-bridged complexes: Synthesis of compounds containing transition metal-oxygen-main group metal motifs M-O-M<sup>I</sup> (M = Ti, Zr; M<sup>I</sup> = Al, Ga) without cyclopentadienyl ligands
1072. H.W. Roesky  
“Why Chemistry?” Polish Academy of Sciences, International conference on chemistry at the service of society, Krakow, **2007**, 129 - 135  
Fascination with Chemistry-Art Gallery of Chemistry
1073. H.W. Roesky, D. Kennepohl  
J. Chem. Educat. **2008**, 85, 1355 -1360  
Drawing attention with chemistry cartoons
1074. A. Jana, G. Schwab, H.W. Roesky, D. Stalke  
Inorg. Chem. **2008**, 47, 8990 – 8994  
Functionalization of aminophosphanes: Synthesis and X-ray crystal structure of novel dilithium and trilithium complexes containing silicon-fused heteronuclear SiN<sub>2</sub>PLi five-membered rings
1075. S. Nagendran, S.S. Sen, H.W. Roesky, D. Koley, H. Grubmüller, A. Pal, R. Herbst-Irmer  
Organometallics **2008**, 27, 5459 - 5463  
RGe(I)Ge(I)R compound (R = PhC(N*t*Bu)<sub>2</sub>) with a Ge-Ge single bond and a comparison with the gauche conformation of hydrazine
1076. H.W. Roesky  
Chemcos, J. Chem. Soc., Indian Institute of Technology, Delhi, **2008**, III, 1 - 4  
Personalities: Interview with Prof. Herbert W. Roesky
1077. Z. Yang, X. Ma, Z. Zhang, H.W. Roesky, J. Magull, A. Ringe  
Z. Anorg. Allg. Chem. **2008**, 634, 2740 – 2742



## Publikationen H. W. Roesky 1963 bis 2020

Synthesis and characterization of heterobimetallic aluminum-germanium(IV) disulfides

1078. H.W. Roesky  
Jahrbuch der Akademie der Wissenschaften zu Göttingen,  
**2007**, 71 - 81  
Begrüßungsansprache und Tätigkeitsbericht des Präsidenten
1079. H.W. Roesky  
Metallocene and single-site catalyst monitor **2008**, *XVI*, 4 -  
17  
The oxygen effect in catalysis
1080. H.W. Roesky, P.M. Gurubasavaraj  
US Patent 2008 0306227 A 1, 12-11-**2008**  
Oxygen-bridged bimetallic complex and polymerization  
process
1081. S. Ghosh, S.E. Kabir, S. Pervin, G.M. Golzar Hossain, D.T.  
Haworth, S.V. Lindeman, T.A. Siddiquee, D.W. Bennet,  
H.W. Roesky  
*Z. Anorg. Allg. Chem.* **2009**, 635, 76 – 87  
New mixed-metal carbonyl complexes containing bridging 2-  
mercapto-1-methylimidazole ligand
1082. H.W. Roesky, P.M. Gurubasavaraj  
Patent IPC8 Class: AC08F476FI, USP Class: 526 98  
Oxygen-Bridged Bimetallic Complex and Polymerization  
Process  
**2009**
1083. A. Jana, D. Ghoshal, H.W. Roesky, I. Objartel, G. Schwab,  
D. Stalke  
*J. Am. Chem. Soc.* **2008**, 131, 1288 – 1293  
A germanium(II) hydride as an effective reagent for  
hydrogermylation reactions
1084. A. Jana, H.W. Roesky, C. Schulzke, A. Döring  
*Angew. Chem.* **2009**, 121, 1126 – 1129  
*Angew. Chem. Int. Ed.* **2009**, 48, 1106 – 1109  
Reactions of tin(II) hydride species with unsaturated  
molecules
1085. S.K. Mandal, P.M. Gurubasavaraj, H.W. Roesky, G.  
Schwab, D. Stalke, R.B. Oswald, V. Dolle  
*Inorg. Chem.* **2007**, 46, 10158 – 10167  
Oxygen-bridged hybrid metallocene-nonmetallocene  
polymetallic catalysts of group 4 metals for bimodal activity  
in olefin polyimerization: synthesis, characterization, and  
theoretical investigation

## Publikationen H. W. Roesky 1963 bis 2020

1086. J. Löbl, A.Y. Timoshkin, T. Cong, M. Necas, H.W. Roesky, J. Pinkas  
*Inorg. Chem.* **2007**, *46*, 5678 – 5685  
Alumazene adducts with pyridines: synthesis, structure, and stability studies
1087. R.S. Ghadwal, H.W. Roesky, S. Merkel, J. Henn, D. Stalke  
*Angew. Chem.* **2009**, *121*, 5793 – 5796  
*Angew. Chem. Int. Ed.* **2009**, *48*, 5683 – 5686  
Lewis base stabilized dichlorosilylene
1088. B. Nekoueishahraki, S.P. Sarish, H.W. Roesky, D. Stern, C. Schulzke, D. Stalke  
*Angew. Chem.* **2009**, *121*, 4517 – 4520  
*Angew. Chem. Int. Ed.* **2009**, *48*, 4587 - 4590  
Addition of dimethylaminobismuth to aldehydes, ketones, alkenes, and alkynes
1089. A. Jana, S.S. Sen, H.W. Roesky, C. Schulzke, S. Dutta, S.K. Pati  
*Angew. Chem.* **2009**, *121*, 4310 – 4312  
*Angew. Chem. Int. Ed.* **2009**, *48*, 4246 – 4248  
End-on nitrogen insertion of a diazo compound into a germanium(II) hydrogen bond and a comparable reaction with diethyl azodicarboxylate
1090. S.P. Sarish, H.W. Roesky, M. John, A. Ringe, J. Magull  
*Chem. Commun.* **2009**, 2390 – 2392  
Well-defined hydrocarbon soluble strontium fluoride and chloride complexes of composition  $[\text{LSr}(\text{thf})(\mu\text{-F})_2\text{Sr}(\text{thf})_2\text{L}]$  and  $[\text{LSr}(\text{thf})(\mu\text{-Cl})_2\text{Sr}(\text{thf})_2\text{L}]$
1091. M. Braban, I. Haiduc, M. Noltemeyer, H.W. Roesky, H.-G. Schmidt  
*Inorg. Chem. Commun.* **2008**, *11*, 442 – 445  
A supramolecular chloride-water tape of six- and five-membered rings as template in the crystal structure of di- $\mu_2$ -hydroxo-bis(diethylenetriamine) dicopper(II) dichloride trihydrate  $\{[\text{Cu}(\text{dien})(\mu\text{-OH})]^+\text{Cl}^-\}_2 \cdot 3\text{H}_2\text{O}$
1092. O.I. Guzyr, L.N. Markowskii, M.I. Povolotskii, H.W. Roesky, A.N. Chernega, E.B. Rusanov  
*J. Molec. Struct.* **2006**, *788*, 89 – 92  
Reactions of bis[(trimethylsilyl)amido] zins with amides of sulfonimidic acids. Crystal structure and NMR studies of bischelate zinc complex
1093. R.S. Ghadwal, H.W. Roesky, R. Herbst-Irmer, P.G. Jones  
*Z. Anorg. Allg. Chem.* **2009**, *635*, 431 – 433  
N-Heterocyclic carbene adducts of aluminum triiodide

## Publikationen H. W. Roesky 1963 bis 2020

1094. A. Stasch, S.P. Sarish, H.W. Roesky, K. Meindl, F. Dall'Antonia, T. Schulz, D. Stalke  
*Chem. Asian J.* **2009**, *4*, 1451 – 1457  
Synthesis and characterization of alkynyl complexes of groups 1 and 2
1095. W. Yang, H. Fu, H. Wang, M. Chen, Y. Ding, H.W. Roesky, A. Jana  
*Inorg. Chem.* **2009**, *48*, 5058 – 5060  
A base-stabilized silylene with a tricoordinate silicon atom as a ligand for a metal complex
1096. A. Jana, D. Ghoshal, H.W. Roesky, I. Objartel, G. Schwab, D. Stalke  
*J. Am. Chem. Soc.* **2009**, *131*, 1288 – 1293  
A germanium(II) hydride as an effective reagent for hydrogermylation reactions
1097. A. Jana, C. Schulzke, H.W. Roesky  
*J. Am. Chem. Soc.* **2009**, *131*, 4600 -4601  
Oxidative addition of ammonia at a silicon(II) center and an unprecedented hydrogenation reaction of compounds with low-valent group 14 elements using ammonia borane
1098. A. Jana, B. Nekoueishahraki, H.W. Roesky, C. Schulzke  
*Organometallics* **2009**, *28*, 3763 – 3766  
Stable compounds of composition LGe(II)R (R = OH, PhO, C<sub>6</sub>F<sub>5</sub>O, PhCO<sub>2</sub>) prepared by nucleophilic addition reactions
1099. A. Jana, I. Objartel, H.W. Roesky, D. Stalke  
*Inorg. Chem.* **2009**, *48*, 798 – 800  
Cleavage of a N-H bond of ammonia at room temperature by a germylene
1100. A. Jana, I. Objartel, H.W. Roesky, D. Stalke  
*Inorg. Chem.* **2009**, *48*, 7645 – 7649  
Dehydrogenation of LGeH by a Lewis *N*-heterocyclic carbene borane pair under the formation of L'Ge and its reactions with B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> and trimethylsilyl diazomethane: an unprecedented rearrangement of a diazocompound to an isonitrile
1101. S. Nembenna, S. Singh, A. Jana, H.W. Roesky, Y. Yang, H. Ye, H. Ott, D. Stalke  
*Inorg. Chem.* **2009**, *48*, 2273 – 2276  
Preparation and structural characterization of molecular Al-O-Sn(II) and Al-O-Sn(IV) compounds
1102. A. Jana, H.W. Roesky, C. Schulzke, A. Döring, T. Beck, A. Pal, R. Herbst-Irmer  
*Inorg. Chem.* **2009**, *48*, 193 – 197

## Publikationen H. W. Roesky 1963 bis 2020

Facile access of stable divalent tin compounds with terminal methyl, amide, fluoride, and iodide substituents

1103. A. Jana, S.P. Sarish, H.W. Roesky, C. Schulzke, A. Döring, M. John  
Organometallics **2009**, *28*, 2563 – 2567  
Facile access of well-defined stable divalent lead compounds with small organic substituents
1104. B. Nekoueishahraki, A. Jana, H.W. Roesky, L. Mishra, D. Stern, D. Stalke  
Organometallics **2009**, *28*, 5733 – 5738  
Synthesis and structural characterization of heterobimetallic bismuth complexes with main group and transition metals
1105. S.P. Sarish, S. Nembenna, H.W. Roesky, H. Ott, A. Pal, D. Stalke, S. Dutta, S.K. Pati  
Angew. Chem. **2009**, *121*, 8896 – 8898  
Angew. Chem. Int. Ed. **2009**, *48*, 8740 - 8742  
Soluble molecular dimmers of CaO and SrO stabilized by a Lewis acid
1106. S.S. Sen, A. Jana, H.W. Roesky, C. Schulzke  
Angew. Chem. **2009**, *121*, 8688 – 8690  
Angew. Chem. Int. Ed. **2009**, *48*, 8536 – 8538  
A remarkable base-stabilized bis(silylene) with a silicon(I)-silicon(I) bond
1107. Z. Zhang, H.W. Roesky, Th. Schulz, D. Stalke, A. Döring  
Eur. J. Inorg. Chem. **2009**, 4864 – 4869  
A chlorine-centered cluster of composition  $[(\text{Me}_3\text{Si})_2\text{NC}(\text{NCy})_2\text{SmCl}_3]_5(\text{thf})_2$  and a comparison with the heavier ytterbium congener  $[(\text{Me}_3\text{Si})_2\text{NC}(\text{NCy})_2\text{YbCl}_2]_2(\text{thf})_4$
1108. A. Jana, H.W. Roesky, C. Schulzke, P.P. Samuel  
Organometallics **2009**, *28*, 6574 – 6577  
Insertion reaction of a silylene into a N-H bond of hydrazine and a [1+4] cycloaddition with diphenyl hydrazone
1109. R.S. Ghadwal, S.S. Sen, H.W. Roesky, G. Tavcar, S. Merkel, D. Stalke  
Organometallics **2009**, *28*, 6374 – 6377  
Neutral penta- and hexacoordinate N-heterocyclic carbene complexes derived from  $\text{SiX}_4$  (X = F, Br)
1110. A. Jana, H.W. Roesky, C. Schulzke  
Inorg. Chem. **2009**, *48*, 9543 – 9548  
Hydrostannylation of ketones and alkynes with  $\text{LSnH}$  [L =  $\text{HC}((\text{CMeNAr})_2, \text{Ar} = 2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3)$ ]

## Publikationen H. W. Roesky 1963 bis 2020

1111. B. Nekoueishahraki, H.W. Roesky, G. Schwab, D. Stern, D. Stalke  
*Inorg. Chem.* **2009**, *48*, 9174 – 9179  
Synthesis and structural characterization of aluminum iminophosphonamide complexes
1112. H.W. Roesky  
In: Experiments in Green and sustainable Chemistry (Hrsg: H.W. Roesky, D.K. Kennepohl); Wiley-VCH, Weinheim **2009**, 266-268  
An experiment to demonstrate the greenhouse effect
1113. H.W. Roesky  
In: Experiments in Green and sustainable Chemistry (Hrsg: H.W. Roesky, D.K. Kennepohl); Wiley-VCH, Weinheim **2009**, 197 – 198  
Disposal of sodium and potassium residues
1114. H.W. Roesky  
In: Experiments in Green and sustainable Chemistry (Hrsg: H.W. Roesky, D.K. Kennepohl); Wiley-VCH, Weinheim **2009**, 212 /215  
Environmentally friendly recycling of sodium
1115. H.W. Roesky  
In: Experiments in Green and sustainable Chemistry (Hrsg: H.W. Roesky, D.K. Kennepohl); Wiley-VCH, Weinheim **2009**, 204 – 207  
Fluor retard
1116. A. Jana, S.P. Sarish, H.W. Roesky, C. Schulzke, P.P. Samuel  
*Chem. Commun.* **2010**, *46*, 707 – 709  
A rational design for an efficient synthesis of a monomeric tin(II) hydroxide
1117. N.Dixit, P.K. Shukla, P.C. Mishra, L. Mishra, H.W. Roesky  
*J. Phys. Chem.* **2010**, *114*, 97 – 104  
Binding of urea and thiourea with a barbiturate derivative: experimental and theoretical approach
1118. R.S. Ghadwal, H.W. Roesky, S. Merkel, D. Stalke  
*Chem. Eur. J.* **2010**, *16*, 85 – 88  
Ambiphilicity of dichlorosilylene in a single molecule
1119. S.S. Sen, H.W. Roesky, D. Stern, J. Henn, D. Stalke  
*J. Am. Chem. Soc.* **2010**, *132*, 1123 - 1126  
High yield access to silylene RSiCl (R = PhC(NtBu)<sub>2</sub>) and its reactivity toward alkyne: synthesis of stable disilacyclobutene
1120. H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

Nature Chemistry **2010**, 2, 240  
A flourish of fluorine

1121. N. Dixit, K. Goto, L. Mishra, H.W. Roesky  
Polyhedron **2010**, 29, 1299 – 1304  
Supramolecular architectures constructed with the skeletons of zinc(II) 2,2'-bipyridine and barbiturate anion: synthesis and characterization
1122. S.S. Sen, G. Tavčar, H.W. Roesky, D. Kratzert, J. Hey, D. Stalke  
Organometallics **2010**, 29, 2343 – 2347  
Synthesis of a stable four-membered Si<sub>2</sub>O<sub>2</sub> ring and a dimer with two four-membered Si<sub>2</sub>O<sub>2</sub> rings bridged by two oxygen atoms, with five-coordinate silicon atoms in both ring systems
1123. S.S. Sen, H.W. Roesky, K. Meindl, D. Stern, J. Henn, A.C. Stückl, D. Stalke  
Chem. Commun. **2010**, 46, 5873 – 5875  
Synthesis, structure and theoretical investigation of amidinato supported 1,4-disilabenzene
1124. S. P. Sarish, A. Jana, H.W. Roesky, Th. Schulz, M. John, D. Stalke  
Inorg. Chem. **2010**, 49, 3816 – 3820  
Heavier alkaline earth metal borohydride complexes stabilized by  $\beta$ -diketiminato ligand
1125. S.S. Sen, D. Kratzert, D. Stern, H.W. Roesky, D. Stalke  
Inorg. Chem. **2010**, 49, 5786 – 5788  
Reactivity studies of a Ge<sup>I</sup>-Ge<sup>I</sup> compound with and without cleavage of the Ge-Ge bond
1126. A. Jana, H.W. Roesky, C. Schulzke, P.P. Samuel, A. Döring  
Inorg. Chem. **2010**, 49, 5554 – 5559  
Synthesis and reaction of monomeric germanium(II) and lead(II) dimethylamide and the synthesis of germanium(II) hydrazide by cleavage of one N-H bond of hydrazine
1127. J. Li, S. Merkel, J. Henn, K. Meindl, A. Döring, H.W. Roesky, R. S. Ghadwal, D. Stalke  
Inorg. Chem. **2010**, 49, 775 – 777  
Lewis-base-stabilized dichlorosilylene: a two-electron  $\sigma$ -donor ligand
1128. A. Jana, H.W. Roesky, C. Schulzke, P.P. Samuel  
Inorg. Chem. **2010**, 49, 3461 – 3464  
An efficient route for the synthesis of a tin(II) substituted carbodiimide from a diazo compound

## Publikationen H. W. Roesky 1963 bis 2020

1129. H.W. Roesky  
Chem. Listy **2010**, *104*, 402  
Interstellar molecules – models for new chemistry
1130. J. Li, C. Schulzke, S. Merkel, H.W. Roesky, P.P. Samuel, A. Döring, D. Stalke  
Z. Anorg. Allg. Chem. **2010**, *636*, 511 – 514  
Synthesis and characterization of N-heterocyclic carbene complexes of titanium(IV) and titanium(III)
1131. H.W. Roesky, G. Bai, V. Jancik, S. Singh  
United States Patent US 7,645,716 B2, **2010**  
Oxygen bridged bimetallic complex. The production thereof and its utilization for polymerization catalysis
1132. R.S. Ghadwal, H.W. Roesky, M. Granitzka, D. Stalke  
J. Am. Chem. Soc. **2010**, *132*, 10018 – 10020  
A facile route to functionalized N-heterocyclic carbenes (NHCs) with NHC base-stabilized dichlorosilylene
1133. A. Jana, P.P. Samuel, H.W. Roesky, C. Schulzke  
J. Fluorine Chemistry **2010**, *131*, 1096 – 1099  
Preparation of iron carbonyl complexes of germanium(II) and tin(II) each with a terminal fluorine atom
1134. A. Jana, P.P. Samuel, G. Tavčar, H.W. Roesky, C. Schulzke  
J. Am. Chem. Soc. **2010**, *132*, 10164 – 10170  
Selective aromatic C-F and C-H bond activation with silylenes of different coordinate silicon
1135. G. Tan, Y. Yang, C. Chu, H. Zhu, H.W. Roesky  
J. Am. Chem. Soc. **2010**, *132*, 12231 – 12233  
Cu<sub>24</sub>O<sub>26</sub>Si<sub>8</sub>R<sub>8</sub>: Organic soluble 56-membered copper(I) siloxane cage and its use in homogeneous catalysis
1136. R.S. Ghadwal, S.S. Sen, H.W. Roesky, M. Granitzka, D. Kratzert, S. Merkel, D. Stalke  
Angew. Chem. **2010**, *122*, 4044 - 4047  
Angew. Chem. Int. Ed. **2010**, *49*, 3952 - 3955  
Convenient access to monosilicon epoxides with pentacoordinate silicon
1137. A. Jana, G. Schwab, H.W. Roesky, D. Stalke  
Inorganica Chimica Acta **2010**, *363*, 4408 – 4410  
Synthesis and characterization of β-diketimate germanium(II) and tin(II) bromides
1138. Y. Yang, H. Zhu, H.W. Roesky, Z. Yang, G. Tan, H. Li, M. John, R. Herbst-Irmer

## Publikationen H. W. Roesky 1963 bis 2020

- Chem. Eur. J. **2010**, *16*, 12530 – 12533  
Trinuclear alumoxanes with an acyclic Al-O-Al-O-Al core  
and studies of their reactivity
1139. S.S. Sen, M.P. Kritzler-Kosch, S. Nagendran, H.W. Roesky,  
T. Beck, A. Pal, R. Herbst-Irmer  
Eur. J. Inorg. Chem. **2010**, 5304 – 5311  
Synthesis of monomeric divalent Tin(II) compounds with  
terminal chloride amide, and triflate substituents
1140. H.W. Roesky  
Z. Anorg. Allg. Chem. **2010**, *636*, 2192 – 2197  
Preparation of organometallic hydroxides and their reactions  
with lanthanide compounds
1141. S.K. Mandal, H.W. Roesky  
Chem. Commun. **2010**, *46*, 6016 – 6041  
Interstellar molecules – guides for new chemistry
1142. S. Khan, S.S. Sen, H.W. Roesky, D. Kratzert, R. Michel, D.  
Stalke  
Inorg. Chem. **2010**, *49*, 9689 – 9693  
One pot synthesis of disilatricyclohepten analogue and  
Jutzi's disilene
1143. G. Tavcar, S.S. Sen, R. Azhakar, A. Thorn, H.W. Roesky  
Inorg. Chem. **2010**, *49*, 10199 – 10202  
Facile syntheses of silylene nickel carbonyl complexes from  
Lewis base stabilized chlorosilylenes
1144. G. Tavcar, S.S. Sen, H.W. Roesky, H. Hey, D. Kratzert, D.  
Stalke  
Organometallics **2010**, *29*, 3930 – 3935  
Reactions of a Bis-silylene (LSi-SiL, L = PhC(N*t*Bu)<sub>2</sub>) and a  
heteroleptic chloro silylene (LSiCl) with benzyl: formation of  
bis(siladioxolene) and monosiladioxolene analogue with  
five-coordinate silicon atoms in both ring systems
1145. A. Jana, G. Tavcar, H.W. Roesky, C. Schulzke  
Dalton Trans., **2010**, *39*, 6217 – 6220  
Facile synthesis of dichlorosilane by metathesis reaction and  
dehydrogenation of dihydrogermane by a frustrated Lewis  
pair
1146. A. Jana, G. Tavcar, H.W. Roesky, M. John  
Dalton Trans. **2010**, *39*, 9487 – 9489  
Germanium(II) hydride mediated reduction of carbon dioxide  
to formic acid and methanol with ammonia borane as the  
hydrogen source



## Publikationen H. W. Roesky 1963 bis 2020

1147. H.W. Roesky, M. Varonka, T.H. Warren  
Inorganic Syntheses **2010**, 35, 34 – 38  
 $\beta$ -diketiminat-supported manganese and zinc complexes
1148. H.W. Roesky, J. Gindl  
in: Inorganic Experiments (3<sup>rd</sup> edition) Ed. J.E. Woolins,  
Wiley-VCH, Weinheim **2010**, 436 – 439  
Selenium-nitrogen and tellurium-nitrogen compounds
1149. H.W. Roesky  
in: Inorganic Experiments (3<sup>rd</sup> edition) Ed. J.W. Woolins,  
Wiley-VCH, Weinheim **2010**, 396 – 401  
Synthesis of well-defined organometallic hydroxides:  
[LCaOH]<sub>2</sub>, LAl(Me)OH and LGeOH
1150. A. Jana, I. Objartel, H.W. Roesky, D. Stalke  
Dalton Trans., **2010**, 39, 4647 – 4650  
Reaction of  $\beta$ -diketiminat tin(II)dimethylamide LsnNMe<sub>2</sub> [L  
= HC(CmeNAr)<sub>2</sub>; Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>] with ketones and  
alkynes
1151. S.P. Sarish, A. Jana, H.W. Roesky, P.P. Samuel, C.E. Abad  
Andrade, B. Dittrich, C. Schulzke  
Organometallics **2011**, 30, 912 -916  
Synthesis of a Lewis base stabilized dimer of N-substituted  
hydrosila hydrazone and a silaaziridine
1152. S.S. Sen, S. Khan, D. Kratzert, H.W. Roesky, D. Stalke  
Eur. J. Inorg. Chem. **2011**, 1370 – 1373  
Reaction of a base-stabilized bis(silylen) [PhC(N*t*Bu)<sub>2</sub>Si]<sub>2</sub>  
with cyclooctatetraene without cleavage of the Si-Si bond
1153. R. Azhakar, G. Tavcar, H.W. Roesky, J. Hey, D. Stalke  
Eur. J. Inorg. Chem. **2011**, 475 – 477  
Facile synthesis of a rare chlorosilylene-BH<sub>3</sub> adduct
1154. S.P. Sarish, B. Nekoueishahraki, A. Jana, H.W. Roesky, T.  
Schulz, D. Stalke  
Chem. Eur. **2011**, 17, 890 – 894  
A new entry into aluminum chemistry: [L<sup>1</sup>AlMe] • THF, a  
versatile building block for bimetallic and polymetallic  
complexes
1155. S. Nembenna, S. Singh, S.S. Sen, H.W. Roesky, H. Ott, D.  
Stalke  
Z. Anorg. Allg. Chem. **2011**, 637, 201 – 205  
 $\beta$ -diketiminat stabilized magnesium hydroxide,  
heterobimetallic, and halide complexes: synthesis and X-ray  
structural studies

## Publikationen H. W. Roesky 1963 bis 2020

1156. S.S. Sen, S. Khan, H.W. Roesky, D. Kratzert, K. Meindl, J. Henn, D. Stalke, J.-P. Demers. A. Lange  
*Angew. Chem.* **2011**, *123*, 2370 - 2373  
*Angew. Chem. Int. Ed.* **2011**, *50*, 2322 – 2325  
Zwitterionic Si-C-Si-P and Si-P-Si-P four-membered rings with two-coordinate phosphorus atoms
1157. S. Khan, S.S. Sen, D. Kratzert, G. Tavčar, H.W. Roesky, D. Stalke  
*Chem. Eur. J.* **2011**, *17*, 4283 – 4290  
Synthesis of stable silicon heterocycles by reaction of organic substrates with a chlorosilylene [PhC(N*t*Bu)<sub>2</sub>SiCl]
1158. S.P. Sarish, S.S. Sen, H.W. Roesky, I. Objartel, D. Stalke  
*Chem. Commun.* **2011**, *47*, 7206 – 7208  
Elegant approach to spacer arranged silagermylene and bis(germylene) compounds
1159. A. Jana, D. Leusser, I. Objartel, H.W. Roesky, D. Stalke  
*Dalton Trans.* **2011**, *40*, 5458 – 5463  
A stable silicon(II) monohydride
1160. J. Hao, J. Li, C. Cui, H.W. Roesky  
*Inorg. Chem.* **2011**, *50*, 7453 - 7459  
Synthesis and characterization of heterobimetallic oxo-bridged aluminum – rare earth metal complexes
1161. A. Jana, R. Azhakar, G. Tavčar, H.W. Roesky, I. Objartel, D. Stalke  
*Eur. J. Inorg. Chem.* **2011**, 3686 – 3689  
Lithium complex of an abnormal carbene
1162. R.S. Ghadwal, H.W. Roesky, K. Pröpper, B. Dittrich, S. Klein, G. Frenking,  
*Angew. Chem.* **2011**, *123*, 5486 – 5490  
*Angew. Chem. Int. Ed.* **2011**, *50*, 5374 - 5378  
A dimer of silaisonitrile with two-coordinate silicon atoms
1163. A. Mukherjee, S. Nembenna, T.K. Sen, S.P. Sarish, P.K. Ghorai, H. Ott, D. Stalke, S.K. Mandal, H.W. Roesky  
*Angew. Chem.* **2011**, *123*, 4054 – 4058  
*Angew. Chem. Int. Ed.* **2011**, *50*, 3968 – 3972  
Assembling zirconium and calcium moieties through an oxygen center for an intramolecular hydroamination reaction: a single system for double activation
1164. A. Jana, S.P. Sarish, H.W. Roesky, D. Leusser, I. Objartel, D. Stalke  
*Chem. Comm.* **2011**, *47*, 5434 – 5436  
Pentafluoropyridine as a fluorinating reagent for preparing a hydrocarbon soluble  $\beta$ -diketiminatolead(II) monofluoride

## Publikationen H. W. Roesky 1963 bis 2020

1165. S.S. Sen, J. Hey, M. Eckhardt, R. Herbst-Irmer, E. Maedl, R.A. Mata, H.W. Roesky, M. Scheer, D. Stalke  
*Angew. Chem.* **2011**, *123*, 12718 – 12721  
*Angew. Chem. Int. Ed.* **2011**, *50*, 12510 - 12513  
A stable cation of a CSi<sub>3</sub>P five-membered ring with a weakly coordinating chloride anion
1166. S. Khan, R. Michel, S.S. Sen, H.W. Roesky, D. Stalke  
*Angew. Chem.* **2011**, *123*, 11990 – 11993  
*Angew. Chem. Int. Ed.* **2011**, *50*, 11786 - 11789  
A P<sub>4</sub> chain and cage from silylene-activated white phosphorus
1167. A. Jana, R. Azhakar, S.P. Sarish, P.P. Samuel, H.W. Roesky, C. Schulzke, D. Koley  
*Eur. J. Inorg. Chem.* **2011**, 5006 – 5013  
Reactions of stable amidinate chlorosilylene and [1+4]-oxidative addition of N-heterocyclic silylene with *N*-benzylideneaniline
1168. S. Khan, R. Michel, J.M. Dietrich, R.A. Mata, H.W. Roesky, J.-Ph. Demers, A. Lange, D. Stalke  
*J. Am. Chem. Soc.* **2011**, *133*, 17889 – 17894  
Preparation of RSn(I)-Sn(I)R with two unsymmetrically coordinated Sn(I) atoms and subsequent gentle activation of P<sub>4</sub>
1169. R.S. Ghadwal, R. Azhakar, H.W. Roesky, K. Pröpper, B. Dittrich, S. Klein, G. Frenking  
*J. Am. Chem. Soc.* **2011**, *133*, 17552 – 17555  
Donor-acceptor-stabilized silicon analogue of an acid anhydride
1170. S. Khan, R. Michel, D. Koley, H.W. Roesky, D. Stalke  
*Inorg. Chem.* **2011**, *50*, 10878 – 10883  
Reactivity studies of a disilene with N<sub>2</sub>O and elemental sulphur
1171. R.S. Ghadwal, R. Azhakar, K. Pröpper, J.J. Holstein, B. Dittrich, H.W. Roesky  
*Inorg. Chem.* **2011**, *50*, 8502 - 8508  
N-heterocyclic carbene stabilized dichlorosilylene transition-metal complexes of V(I), Co(I), and Fe(O)
1172. S.S. Sen, J. Hey, R. Herbst-Irmer, H.W. Roesky, D. Stalke  
*J. Am. Chem. Soc.* **2011**, *133*, 12311 – 12316  
Striking stability of a substituted silicon(II) bis(trimethylsilyl)amide and the facile Si-Me bond cleavage without a transition metal catalyst

## Publikationen H. W. Roesky 1963 bis 2020

1173. R. Azhakar, R.S. Ghadwal, H.W. Roesky, J. Hey, D. Stalke  
*Organometallics* **2011**, *30*, 3853 – 3858  
Reactions of stable *N*-heterocyclic silylenes with ketones and 3,5-di-*tert*-butyl-*o*-benzoquinone
1174. S. Khan, S.S. Sen, R. Michel, D. Kratzert, H.W. Roesky, D. Stalke  
*Organometallics* **2011**, *30*, 2643 – 2645  
Formation of a unsymmetrical ring system via C-H bond activation of diazobenzene by stable *N*-heterocyclic chlorosilylene (PhC(*Nt*Bu)<sub>2</sub>SiCl)
1175. R. Azhakar, S.P. Sarish, H.W. Roesky, J. Hey, D. Stalke  
*Organometallics* **2011**, *30*, 2897 – 2900  
Regiospecific C-H bond activation: reactivity study of *N*-heterocyclic silylene toward ambidentate phosphorus ylide
1176. R. Azhakar, S.P. Sarish, H.W. Roesky, J. Hey, D. Stalke  
*Inorg. Chem.* **2011**, *50*, 5039 – 5043  
Syntheses of group 7 metal carbonyl complexes with a stable *N*-heterocyclic chlorosilylene
1177. S.S. Sen, R. S. Ghadwal, D. Kratzert, D. Stern, H.W. Roesky, D. Stalke  
*Organometallics* **2011**, *30*, 1030 – 1033  
Synthesis and structure of [ $\{\text{PhC}(\text{N}t\text{Bu})_2\}_2\text{Ge}_2(\mu\text{-S})_2\text{Cl}_2$ ] and a germanium dithiocarboxylate analogue
1178. R. Azhakar, S.P. Sarish, G- Tavcar, H.W. Roesky, J. Hey, D. Stalke, D. Koley  
*Inorg. Chem.* **2011**, *50*, 3028 – 3036  
Formation of silicon centered spirocyclic compounds: reaction of *N*-heterocyclic stable silylene with benzoylpyridine, diisopropyl azodicarboxylate, and 1,2-diphenylhydrazine
1179. Y. Ma, Z. Yang, X. Wang, H.W. Roesky, F. Wu, H. Zhu  
*Inorg. Chem.* **2011**, *50*, 2010 – 2014  
Synthesis of boroxine-linked aluminum complexes
1180. S.P. Sarish, S. Nembenna, S. Nagendran, H.W. Roesky  
*Accounts of Chemical Research* **2011**, *44*, 157 – 170  
Chemistry of soluble  $\beta$ -diketiminatoalkaline-earth metal complexes with M-X bonds (M = Mg, Ca, Sr; X = OH, halides, H)
1181. E. Irmer, H.W. Roesky  
*Chemie in der Schule, Praxis der Naturwissenschaften* **2011**, *60*, 9 – 14  
Im Cola- und Champagnerrausch

## Publikationen H. W. Roesky 1963 bis 2020

1182. A. Jana, R. Azhakar, H.W. Roesky, I. Objartel, D. Stalke  
*Z. Anorg. Allg. Chem.* **2011**, 1795 – 1799  
Syntheses of Iron Carbonyl *N*-heterocyclic stannylene complexes
1183. S.S. Sen, J. Hey, D. Kratzert, H.W. Roesky, D. Stalke  
*Organometallics* **2012**, *31*, 435 – 439  
A remarkable end-on activation of diazoalkane and cleavage of both C-Cl bonds of dichloromethane with a silylene to a single product with five-coordinate silicon atoms
1184. S.S. Sen, J. Hey, D. Kratzert, H.W. Roesky, D. Stalke  
*Organometallics* **2012**, *31*, 435 – 439  
A remarkable end-on activation of diazoalkane and cleavage of both C-Cl bonds of dichloromethane with a silylene to a single product with five-coordinate silicon atoms
1185. S.S. Sen, S. Khan, P.P. Samuel, H.W. Roesky  
*Chem. Sci.* **2012**, *3*, 659 – 682  
Chemistry of functionalized silylenes
1186. S. Khan, S.S. Sen, H.W. Roesky  
*Chem. Comm.* **2012**, *48*, 2169 – 2179  
Activation of phosphorus by group 14 elements in low oxidation states
1187. R. Azhakar, R.S. Ghadwal, H.W. Roesky, H. Wolf, D. Stalke  
*J. Am. Chem. Soc.* **2012**, *134*, 2423 – 2428  
Stabilization of low valent silicon fluorides in the coordination sphere of transition metals
1188. R. Azhakar, R.S. Ghadwal, H.W. Roesky, J. Hey, D. Stalke  
*Chem. Asian. J.* **2012**, *7*, 528 – 533  
Facile access to transition-metal-carbonyl complexes with an amidinate-stabilized chlorosilylene ligand
1189. S.S. Sen, S. Khan, S. Nagendran, H.W. Roesky  
*Accounts of Chemical Research* **2012**, *45*, 578 – 587  
Interconnected bis-silylenes: A new dimension in organosilicon chemistry
1190. Y. Yang, N. Zhao, Y. Wu, H. Zhu, H.W. Roesky  
*Inorg. Chem.* **2012**, *51*, 2425 – 2431  
Synthesis and characterization of  $\beta$ -diketiminato germanium(II) compounds
1191. Y. Yang, H. Li, C. Wang, H.W. Roesky  
*Inorg. Chem.* **2012**, *51*, 2204 – 2211  
Studies of the ligand effect on the synthesis of dialuminoxanes by various  $\beta$ -diketiminato ligands

## Publikationen H. W. Roesky 1963 bis 2020

1192. A.P. Singh, H.W. Roesky, E. Carl, D. Stalke, J-Ph. Demers, A. Lange  
J. Am. Chem. Soc. **2012**, *134*, 4998 – 5003  
Lewis base mediated autoionization of GeCl<sub>2</sub> and SnCl<sub>2</sub>
1193. R. Azhakar, R.S. Ghadwal, H.W. Roesky, H. Wolf, D. Stalke  
Chem. Commun. **2012**, *48*, 4561 – 4563  
A début for base stabilized monoalkylsilylenes
1194. Y. Yang, N. Zhao, H. Zhu, H.W. Roesky  
Organometallics **2012**, *31*, 1958 – 1964  
Syntheses and reactions of derivatives of  
(pyrrolylaldiminato)germanium(II) and –aluminum(III)
1195. B. Askevold, H.W. Roesky, S. Schneider  
Chem. Cat. Chem. **2012**, *4*, 307 – 320  
Learning from the neighbors: Improving homogeneous catalysts with functional ligands motivated by heterogeneous and biocatalysis
1196. H.W. Roesky  
In: Efficient preparations of fluorine compounds, A. John Wiley & Sons, Inc., Hoboken, New Jersey, **2012**, 270 – 274  
(Online); [Print 2013: ISBN 978-1-118-07856-3]  
Preparation of organometallic fluorides of main group and transition elements
1197. H.W. Roesky, P.M. Gurubasavaraj  
United States Patent No. US 7,888,522 B2, Feb. 15, **2011**  
Oxygen bridged bimetallic complex and polymerization process
1198. S. Khan, P.P. Samuel, R. Michel, J.M. Dieterich, R.A. Mata, J.-P. Demers, A. Lange, H.W. Roesky, D. Stalke  
Chem. Commun. **2012**, *48*, 4890 – 4892  
Monomeric Sn(II) and Ge(II) hydrides supported by a tridentate pincer-based ligand
1199. A.P. Singh, R.S. Ghadwal, H.W. Roesky, J.J. Holstein, B. Dittrich, J.-P. Demers, V. Chevelkov, A. Lange  
Chem. Commun. **2012**, *48*, 7574 – 7576  
Lewis based mediated dismutation of trichlorosilane
1200. R. Azhakar, R.S. Ghadwal, H.W. Roesky, M. Granitzka, D. Stalke  
Organometallics **2012**, *31*, 5506 – 5510  
Reactivity studies of a stable N-heterocyclic silylene with triphenylsilanol and pentafluorophenol

## Publikationen H. W. Roesky 1963 bis 2020

1201. B. Nekoueishahraki, P.P. Samuel H.W. Roesky, D. Stern, J. Matussek, D. Stalke  
*Organometallics* **2012**, *31*, 6697 – 6703  
Organobismuth(III) and dibismuthine complexes bearing N,N'-disubstituted 1,8-diaminonaphthalene ligand: Synthesis, structure, and reactivity
1202. Z. Yang, P. Hao, Z. Liu, X. Ma, H.W. Roesky, K. Sun, J. Li  
*Organometallics* **2012**, *31*, 6500 – 6503  
Reactivity studies of  $\text{LAlH}_2$  (L =  $\text{HC}(\text{CMeNAr})_2$ , Ar = 2,6-*i*Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>) with 2-Aminobenzenethio, 2-Aminopheno, and 1,4-Dithiane-2,5-diol
1203. R. Azhakar, R.S. Ghadwal, H.W. Roesky, H. Wolf, D. Stalke  
*Organometallics* **2012**, *31*, 4588 – 4592  
Facile access to the functionalized N-donor stabilized silylenes  $\text{PhC}(\text{N}t\text{Bu})_2\text{SiX}$  (X = PPh<sub>2</sub>, NPh<sub>2</sub>, NCy<sub>2</sub>, N*i*Pr<sub>2</sub>, NMe<sub>2</sub>, N(SiMe<sub>3</sub>)<sub>2</sub>, *O*tBu)
1204. R. Azhakar, R.S. Ghadwal, H.W. Roesky, J. Hey, D. Stalke  
*Dalton Trans.* **2012**, *41*, 1529 – 1533  
Double N-H bond activation of N,N'-bis-substituted hydrazines with stable N-heterocyclic silylene
1205. R. Azhakar, H.W. Roesky, J.J. Holstein, B. Dittrich  
*Dalton Trans.* **2012**, *41*, 12096 – 12100  
The group 7 metal carbonyl complexes from a stable heteroleptic silylene  $\text{PhC}(\text{N}t\text{Bu})_2\text{SiNPh}_2$
1206. N. Kumari, M. Dixit, H.W. Roesky, L. Mishra  
in: *Chemistry for Sustainable Development*,  
DOI 10.1007/978-90-481-8650-1\_15  
Springer Science + Business Media B.V. **2011**  
Chapter 15  
Thiocyanato bridged heterodinuclear complex  
 $[\text{Cu}(\text{bpy})_2(\mu\text{NSC})\text{Ru}(\text{bpy})_2(\text{NO}_3)](\text{PF}_6)_2$  and its binding with Cd(II), Hg(II), Pb(II) and Ag(I) ions
1207. X. Ma, Y. Ding, H.W. Roesky, S. Sun, Z. Yang  
*Z. Anorg. Allg. Chem.* **2013**, *639*, 49 – 52  
Synthesis and crystal structures of antimony(III) complexes with a bis(amino)silane ligand
1208. R.S. Ghadwal, R. Azhakar, H.W. Roesky, K. Pröpper, B. Dittrich, C. Goedecke, G. Frenking  
*Chem. Commun.* **2012**, *48*, 8186 – 8188  
Donor-acceptor stabilized silaformyl chloride

## Publikationen H. W. Roesky 1963 bis 2020

1209. P.P. Samuel, R. Azhakar, R.S. Ghadwal, S.S. Sen, H.W. Roesky, M. Granitzka, J. Matussek, R. Herbst-Irmer, D. Stalke  
Inorg. Chem. **2012**, *51*, 11049 – 11054  
Stable silaimines with three- and four-coordinate silicon atoms
1210. R. Azhakar, K. Pöpper, B. Dittrich, H.W. Roesky  
Organometallics **2012**, *31*, 7586 – 7590  
Reactivity studies of heteroleptic silylenes with N<sub>2</sub>O
1211. R. Azhakar, H.W. Roesky, H. Wolf, D. Stalke  
Organometallics **2012**, *31*, 8608 – 8612  
Reactivity of stable heteroleptic silylene Ph(N*t*Bu)<sub>2</sub>SiNPh<sub>2</sub> toward diazobenzene and *N*-benzylideneaniline
1212. R. Azhakar, H.W. Roesky, R.S. Ghadwal, J.J. Holstein, B. Dittrich  
Dalton Trans. **2012**, *41*, 9601 – 9603  
An access to base-stabilized three-membered silicon heterocycles
1213. Pengfei H., Zhi Y., Xiaoli M., Xiujuan W., Zhihong L., H.W. Roesky, Kening S., Jiarong L., Mingdong Z.  
Dalton Trans. **2012**, *41*, 13520 – 13524  
Synthesis and characterization of compounds with the Al-O-X (X = Si, P, C) structural motif
1214. R. Azhakar, R.S. Ghadwal, H.W. Roesky, J. Hey, L. Krause, D. Stalke  
Dalton Trans. **2013**, *42*, 10277 – 10281  
Mixed valence  $\eta^6$ -arene cobalt(I) and cobalt(II) compound
1215. P.P. Samuel, A.P. Singh, S.P. Sarish, J. Matussek, I. Objartel, H.W. Roesky, D. Stalke  
Inorg. Chem. **2013**, *52*, 1544 – 1549  
Oxidative addition versus substitution reactions of group 14 dialkylamino metalylenes with pentafluoropyridine
1216. K.Ch. Mondal, P.P. Samuel, M. Tretiakov, A.P. Singh, H.W. Roesky, A.C. Stückl, B. Niepötter, E. Carl, H. Wolf, R. Herbst-Irmer, D. Stalke  
Inorg. Chem. **2013**, *52*, 4736 – 4743  
Easy access to silicon(0) and silicon(II) compounds
1217. A.P. Singh, P.P. Prinson, H.W. Roesky, M.C. Schwarzer, G. Frenking, N.S. Sidhu, B. Dittrich  
J. Am. Chem. Soc. **2013**, *135*, 7324 – 7329  
A singlet biradicaloid zinc compound and its nonradical counterpart
1218. R. Azhakar, H.W. Roesky, H. Wolf, D. Stalke  
Z. Anorg. Allg. Chem. **2013**, *639*, 934 – 938



## Publikationen H. W. Roesky 1963 bis 2020

On the reactivity of the silylene  $\text{PhC}(\text{N}t\text{Bu})_2\text{SiNPh}_2$  toward organic substrates

1219. H.W. Roesky  
*J. Organomet. Chem.* **2013**, *730*, 57 – 62  
Chemistry of low valent silicon
1220. R. Azhakar, R.S. Ghadwal, H.W. Roesky, R.A. Mata, H. Wolf, R. Herbst-Irmer, D. Stalke  
*Chem Eur. J.* **2013**, *19*, 3715 – 3720  
Reaction of N-heterocyclic silylenes with thioketone: formation of silicon-sulfur three (Si-C-S) and five (Si-C-C-C-S)-membered ring systems
1221. X. Ma, P. Hao, J. Li, H.W. Roesky, Z. Yang  
*Z. Anorg. Allg. Chem.* **2013**, *639(3)*, 493 – 496  
Reactivity studies of  $\text{LAlH}_2$  [ $\text{L} = \text{HC}(\text{CMeNAr})_2$ ,  $\text{Ar} = 2,6\text{-}i\text{Pr}_2\text{C}_6\text{H}_3$ ] with 2-[(2-hydroxybenzylidene)amino]-3-mercaptopropionic acid and benzene-1,2-diamine
1222. K.C. Mondal, H.W. Roesky, M.C. Schwarzer, G. Frenking, H. Niepötter, H. Wolf, R. Herbst-Irmer, D. Stalke  
*Angew. Chem.* **2013**, *125*, 3036 - 3040  
*Angew. Chem. Int. Ed.* **2013**, *52*, 2963 – 2967  
A stable singlet biradicaloid silydicarbene:  $(\text{L})_2\text{Si}$
1223. K.C. Mondal, H.W. Roesky, M.C. Schwarzer, G. Frenking, I. Tkach, H. Wolf, D. Kratzert, R. Herbst-Irmer, B. Niepötter, D. Stalke  
*Angew. Chem.* **2013**, *125*, 1845 – 1850  
*Angew. Chem. Int. Ed.* **2013**, *52*, 1801 – 1805  
Conversion of a singlet silylene to a stable biradical
1224. R. Azhakar, H.W. Roesky, H. Wolf, D. Stalke  
*Chem. Commun.* **2013**, *49*, 1841 – 1843  
Metal free and selective activation of one C-F bond in a bound  $\text{CF}_3$  group
1225. M. Tretiakov, Y.G. Shermolovich, A.P. Singh, P.P. Samuel, H.W. Roesky, B. Niepötter, A. Visscher, D. Stalke  
*Dalton Trans.* **2013**, *42*, 12940 – 12946  
Lewis-base stabilized diiodine adducts with N-heterocyclic chalcogenamides
1226. D. Zhang, J. Li, X. Dong, X. Zhou, Z. Yang, H.W. Roesky  
*Z. Naturforsch.* **2013**, *68b(5/6)*, 453–457/DOI: 10.5560/ZNB.2013-2342

## Publikationen H. W. Roesky 1963 bis 2020

*N*-heterocyclic carbene-facilitated condensation of 3-methylphenylboronic acid to the boroxine

1227. Y. Li, K.C. Mondal, H.W. Roesky, H. Zhu, P. Stollberg, R. Herbst-Irmer, D. Stalke, D.M. Andrada  
*J. Am. Chem. Soc.* **2013**, *135*, 12422-12428  
Acyclic germylones: congeners of allenes with a central germanium atom
1228. K.C. Mondal, H.W. Roesky, A.C. Stückl, F. Ehret, W. Kaim, B. Dittrich, B. Maity, D. Koley  
*Angew. Chem.* **2013**, *125*, 12020-12023  
*Angew. Chem. Int. Ed.* **2013**, *52*, 11804-11807  
Formation of trichlorosilyl-substituted carbon-centered stable radicals through the use of  $\delta$ -accepting carbenes
1229. P.P. Samuel, K.C. Mondal, H.W. Roesky, M. Hermann, G. Frenking, S. Demeshko, F. Meyer, A.C. Stückl, J.H. Christian, N.S. Dalal, L. Ungur, L.F. Chibotaru, K. Pröpper, A. Meents, B. Dittrich  
*Angew. Chem.* **2013**, *125*, 12033-12037  
*Angew. Chem. Int. Ed.* **2013**, *52*, 11817-11821  
Synthesis and characterization of a two-coordinate manganese complex and its reaction with molecular hydrogen at room temperature
1230. Ghadwal, Rajendra S.; Azhakar, Ramachandran; Roesky, Herbert W. :  
*Acc. Chem. Res.*, **46**(2), 444-456 (2013)  
Dichlorosilylene: A high temperature transient species to an indispensable building block
1231. P.P. Samuel, Y.Li, H.W. Roesky, V. Chevelkov, A. Lange, A. Burkhardt, B. Dittrich  
*J. Am. Chem. Soc.* **2014**, *136*, 1292 – 1295  
Synthetic access to a hydrocarbon-soluble trifluorinated Ge(II) compound and its Sn(II) congener  
[Highlighted in Nachrichten aus der Chemie 2014,62,3](#)
1232. K.C. Mondal, H.W. Roesky, B. Dittrich, N. Holzmann, M. Hermann, G. Frenking, A. Meents  
*J. Am. Chem. Soc.* **2013**, *135*, 15990 – 15993  
Formation of a 1,4-Diamino-2,3-disila-1,3-butadiene derivative  
[Highlighted in Nachrichten aus der Chemie 2014,62,3](#)
1233. Y. Li, K.C. Mondal, P. Stollberg, H. Zhu, H.W. Roesky, R. Herbst-Irmer, D. Stalke, H. Fliegl  
*Chem. Commun.* **2014**, *50*, 3356 – 3358  
Unusual formation of a *N*-heterocyclic germylene via homolytic cleavage of a C-C bond
1234. G.B. Nikiforov, H.W. Roesky, D. Koley  
*Coordination Chemistry Reviews* **2014**, *258-259*, 16- 57

## Publikationen H. W. Roesky 1963 bis 2020

- A survey of titanium fluoride complexes, their preparation, reactivity, and applications
1235. Z. Yang, K. Li, X. Ma, H.W. Roesky, P. Hao, M. Zhong  
Eur. J. Inorg. Chem. **2014**, 1102 – 1104  
One-dimensional structure of an aluminum coordination compound
1236. B. Niepötter, R. Herbst-Irmer, D. Kratzert, P.P. Samuel, K.C. Mondal, H.W. Roesky, P. Jerabek, G. Frenking, D. Stalke  
Angew. Chem. **2014**, *126*, 2806 – 2811  
Experimentelle Elektronendichteuntersuchung eines Silylons  
Angew. Chem. Int. Ed. **2014**, *53*, 2766 – 2770  
Experimental charge density study of a silylone
1237. K.C. Mondal, P.P. Samuel, H.W. Roesky, E. Carl, R. Herbst-Irmer, D. Stalke, B. Schwederski, W. Kaim, L. Ungur, L.F. Chiboraru, M. Hermann, G. Frenking  
J. Am. Chem. Soc. **2014**, *136*, 1770 – 1773  
Stabilization of a cobalt-cobalt bond by two cyclic alkyl amino carbenes  
[Highlighted in Nachrichten aus der Chemie 2014,62,3](#)
1238. H.W. Roesky  
Chem. Commun. **2014**, *50*, 2984 – 2985  
Interview with Herbert W. Roesky
1239. Y. Li, K.C. Mondal, J. Lübben, H. Zhu, B. Dittrich, I. Purushothaman, P. Parameswaran, H.W. Roesky  
Chem. Commun. **2014**, *50*, 2986 – 2989  
A functionalized Ge<sub>3</sub>-compound with a dual character of the central germanium atom
1240. K.C. Mondal, P.P. Samuel, Y. Li, H.W. Roesky, S. Roy, L. Ackermann, N.S. Sidhu, G.M. Sheldrick, E. Carl, S. Demeshko, S. De, P. Parameswaran, L. Ungur, L.F. Chibotaru, D.M. Andrada  
Eur. J. Inorg. Chem. **2014**, 818 – 823  
A catalyst with two-coordinate nickel: Theoretical and catalytic studies
1241. R.S. Ghadwal, R. Azhakar, H.W. Roesky  
Accounts of Chemical Research **2013**, *46*, 444-456  
Dichlorosilylene: A high temperature transient species to an indispensable building block
1242. R. Azhakar, H.W. Roesky, J.J. Holstein, K. Pröpper, B. Dittrich  
Organometallics **2013**, *32*, 358 – 361  
Reactivity studies of heteroleptic silylenes PhC(NtBu)<sub>2</sub>SiX (X = NPh<sub>2</sub>NMe<sub>2</sub>) toward selected azides
1243. Y. Li, K.C. Mondal, P.P. Samuel, H. Zhu, C.M. Orben, S. Panneerselvam, B. Dittrich, B. Schwederski, W. Kaim, T. Mondal, D. Koley, H.W. Roesky  
Angew. Chem. Int. Ed. **2014**, *53*, 4168 -4172  
Angew. Chem. **2014**, *126*, 4252 -4256

## Publikationen H. W. Roesky 1963 bis 2020

- C<sub>4</sub> Cumulene and the corresponding air-stable radical cation and dication
1244. D.S. Weinberger, N. Amin SK, K.C. Mondal, M. Melaimi, G. Bertrand, A.C. Stückl, H.W. Roesky, B. Dittrich, S. Demeshko, B. Schwederski, W. Kaim, P. Jerabek, G. Frenking  
J. Am. Chem. Soc. **2014**, *136*, 6235 -6238  
Isolation of neutral mononuclear copper complexes stabilized by two cyclic (alkyl)(amino)carbenes
1245. K.C. Mondal, S. Roy, S. De, P. Parameswaran, B. Dittrich, F. Ehret, W. Kaim, H.W. Roesky  
Chem. Eur. J. **2014**, *20*, 11646 – 11649  
Stabilization of a two-coordinate mononuclear cobalt(0) compound
1246. P.P. Samuel, K.C. Mondal, N.A. Sk, H.W. Roesky, E. Carl, R. Neufeld, D. Stalke, S. Demeshko, F. Meyer, L. Ungur, L.F. Chibotaru, J. Christian, V. Ramachandran, J. van Tol, N. S. Dalal  
J. Am. Chem. Soc. **2014**, *136*, 11964 – 1971  
Electronic structure and slow magnetic relaxation of low-coordinate cyclic alkyl(amino)carbene stabilized iron(I) complexes
1247. K.C. Mondal, P.P. Samuel, H.W. Roesky, R.R. Aysin, L.A. Leites, S. Neudeck, J. Lübber, B. Dittrich, N. Holzmann, M. Hermann, G. Frenking  
J. Am. Chem. Soc. **2014**, *136*, 8919 – 8922  
One-electron-mediated rearrangements of 2,3-disiladibene
1248. K.C. Mondal, B. Dittrich, B. Maity, D. Koley, H.W. Roesky  
J. Am. Chem. Soc. **2014**, *136*, 9568 – 9571  
Cyclic alkyl(amino) carbene stabilized biradical of disilicontetrachloride  
**Spotlight on JACS publications**  
[Highlighted in Nachrichten aus der Chemie 2014,62,3](#)
1249. K.C. Mondal, P.P.Samuel, H.W. Roesky, B. Niepötter, R. Herbst-Irmer, D. Stalke, F. Ehret, W. Kaim, B. Maity, D. Koley  
Chem. Eur. J. **2014**, *20*, 1 – 7  
Synthesis and characterization of a triphenyl-substituted radical and an unprecedented formation of a carbene-functionalized quinodimethane
1250. Q. Liu, J. Wu, J. Li, J. Wang, W. Zheng, H. W. Roesky  
Phosphorus, Sulfur, and Silicon **2014**, *189*, 1 – 12  
Improved synthesis of asymmetrical substituted 1*H*-1,2,4-diazaphospholes
1251. Z. Yang, P. Hao, X. Ma, H.W. Roesky, Y. Yang, J. Li  
Z. Anorg. Allg. Chem. **2014**, *640*, 1081 – 1085  
Synthesis of 1,6-bis(trimethylsilylamino)benzene-substituted aluminum hydrides: The characterization of a product from ring-opening reaction of tetrahydrofuran
1252. X.-Y. Zhao, C-B. Zhu, H-Pu. Li, Y. Yang, H.W. Roesky

## Publikationen H. W. Roesky 1963 bis 2020

- Z. Anorg. Allg. Chem. **2014**, *640*, 1614 – 1621  
Synthesis and characterization of copper(I)halide complexes with *N*-(2,6-diisopropylphenyl)-*N'*-benzoylthiourea: Monomeric, dimeric, and cage structures
1253. K.C. Mondal, P.P. Samuel, H.W. Roesky, R.R. Aysin, L.A. Leites, S. Neudeck, J. Lübben, B. Dittrich, N. Holzmann, M. Hermann, G. Frenking  
J. Am. Chem. Soc. **2014**, *136*, 8919 – 8922  
One-electron-mediated rearrangements of 2,3-disiladicarbene  
[Highlighted in Nachrichten aus der Chemie 2014,62,3](#)
1254. P. Jerabek, H.W. Roesky, G. Bertrand, G. Frenking  
J. Am. Chem. Soc. **2014**, *136*, 17123 – 17135  
Coinage metals binding as main group elements: structure and bonding of the carbene complexes [TM(cAAC)<sub>2</sub>] and [TM(cAAC)<sub>2</sub>]<sup>+</sup> (TM = Cu, Ag, Au)
1255. S. Roy, K.C. Mondal, L. Krause, P. Stollberg, R. Herbst-Irmer, D. Stalke, J. Meyer, A.C. Stückl, B. Maity, D. Koley, S.K. Vasa, S.Q. Xiang, R. Linser, H.W. Roesky  
J. Am. Chem. Soc. **2014**, *136*, 16776 – 16779  
Electron-induced conversion of silylones to six-membered cyclic silylenes
1256. J. Wang, R. Liu, W. Ruan, Y. Li, K. C. Mondal, H. W. Roesky, H. Zhu  
Organometallics **2014**, *33*, 2696 – 2703  
N – P bond cleavage induced ring formation of cyclosilazanes from reactions of aryl(phosphanyl)aminotrichlorosilanes with lithium alkynyls
1257. B. Li, J. Li, H.W. Roesky, H. Zhu  
J. Am. Chem. Soc. **2015**, *137*, 162 – 164  
Synthesis and characterization of coinage metal aluminum sulfur species

## Publikationen H. W. Roesky 1963 bis 2020

1258. P. Hao, Z. Yang, W. Li, X. Ma, H.W. Roesky, Y. Yang, J. Li  
*Organometallics* **2015**, *34*, 105 – 108  
Aluminum complexes containing the C-O-Al-C framework as efficient initiators for ring-opening polymerization of  $\epsilon$ -caprolactone
1259. S. Roy, P. Stollberg, R. Herbst-Irmer, D. Stalke, D.M. Andrada, G. Frenking, H.W. Roesky  
*J. Am. Chem. Soc.* **2015**, *137*, 150 – 153  
Carbene-dichlorosilylene stabilized phosphinidenes exhibiting strong intramolecular charge transfer transition  
[Highlighted in Nachrichten aus der Chemie 2016,64,224](#)
1260. B. Dittrich, C.M. Wandtke, A. Meents, K. Pröpper, K.C. Mondal, P.P. Samuel, N. Amin S.K., A.P. Singh, H.W. Roesky, N. Sidhu  
*ChemPhysChem* **2015**, *16*, 412 – 419  
Aspherical-atom modeling of coordination compounds by single-crystal X-ray diffraction allows the correct metal atom to be identified
1261. S. Roy, K. C. Mondal, J. Meyer, B. Niepötter, C. Köhler, R. Herbst-Irmer, D. Stalke, B. Dittrich, D. M. Andrada, G. Frenking, H. W. Roesky  
*Chem. Eur. J.* **2015**, *21*, 9312 - 9318  
Synthesis, characterization, and theoretical investigation of two – coordinate palladium(0) and platinum(0) complexes utilizing  $\pi$  – accepting carbenes  
[Hot paper, cover page](#)
1262. K. C. Mondal, S. Roy, B. Dittrich, B. Maity, S. Dutta, D. Koley, S. K. Vasa, R. Linser, S. Dechert, H. W. Roesky  
*Chem. Science* **2015**, *6*, 5230 - 5234  
A soluble molecular variant of the semiconducting silicendiselenide  
[Edge article](#)  
[Highlighted in Nachrichten aus der Chemie 2016,64,224](#)
1263. P. P. Samuel, R. Neufeld, K. C. Mondal, H. W. Roesky, R. Herbst – Irmer, D. Stalke, S. Demeshko, F. Meyer, V. C. Rojisha, J. K. Bindra, N. S. Dalal  
*Chem. Science* **2015**, *6*, 3148 – 3153  
Cr(I)Cl as well as Cr<sup>+</sup> are stabilised between two cyclic alkyl amino carbenes
1264. Y. Ju, Z. Yang, X. Ma, Y. Yang, H. W. Roesky  
*Z. Anorg. Allg. Chem.* **2015**, *641*, 521 – 524  
A saturated and unsaturated backbone of the products from the reaction of 1,2 – diimine with aluminum precursors
1265. S. –Y. Wu, X. –X. Zhao, H. – P. Li, Y. Yang, H. W. Roesky  
*Z. Anorg. Allg. Chem.* **2015**, *641*, 883 – 889  
Synthesis and characterization of *N,N* – disubstituted acylthiourea copper(II) complexes

## Publikationen H. W. Roesky 1963 bis 2020

1266. Z. Yang, M. Zhong, X. Ma, S. De, C. Anusha, P. Paraweswaran, H. W. Roesky  
Angew. Chem. **2015**, *127*, 10363 – 10367  
Angew. Chem.Int. Ed. **2015**, *53*, 10225 – 10229  
An aluminum hydride that functions like a transition metal catalyst  
**Hot paper**  
[Highlighted in Nachrichten aus der Chemie 2016,64,220](#)
1267. C. Mohapatra, K. C. Mondal, Kartik, P. P. Samuel, H. Keil, B. Niepoetter, R. Herbst-Irmer, D. Stalke, S. Dutta, D. Koley, H. W. Roesky  
Chem. Eur. J. **2015**, *21*, 12572 - 12576  
A stable dimer of SiS<sub>2</sub> arranged between two carbene molecules  
**Cover page**
1268. S. Roy, A. C. Stueckl, S. Demeshko, B. Dittrich, J. Meyer, B. Maity, D. Koley, B. Schwederski, W. Kaim, H.W. Roesky  
J. Am. Chem. Soc. **2015**, *137*, 4670 – 4673  
Stable radicals from commonly used precursors trichlorosilane and diphenylchlorophosphine  
[Highlighted in Nachrichten aus der Chemie 2016, 64, 224](#)
1269. B. Li, C. Zhang, Y. Yang, H. Zhu, H. W. Roesky  
Inorg. Chem. **2015**, *54*, 6641– 6646.  
Synthesis and characterization of heterobimetallic Al-O-Cu complexes toward models for heterogeneous catalysts on metal oxide surfaces
1270. S. Roy, B. Dittrich, T. Mondal, D. Koley, A. C. Stueckl, B. Schwederski, W. Kaim, S. K. Vasa, R. Linser, H. W. Roesky  
J. Am. Chem. Soc. **2015**, *137*, 6180 – 6183  
Carbene supported dimer of heavier ketenimine analogue with P and Si atoms  
[Highlighted in Nachrichten aus der Chemie 2016, 64, 225](#)
1271. W. Wang, Z. Yang, X. Ma, H. W. Roesky, Y. Ju, P. Hao  
Z. Anorg. Allg. Chem. **2015**, *641*, 684 – 687  
Preparation of aluminum hydrides with chelating anilido-imine ligands by addition of an Al-H bond to a C:N bond
1272. K. Samedov, R. West, P. W. Percival, J.- C. Brodovitch, L. Chandrasena, M. Mozafari, R. Tacke, K. Junold, C. Kobelt, P. P. Samuel, H. W. Roesky, M. Driess, W. Wang  
Organometallics **2015**, *34*, 3532 – 3537  
Free radicals of N-donor-stabilized silicon(II) compounds probed by Muon spin spectroscopy
1273. M. Zhong, Z. Yang, Y. Yi, D. Zhang, K. Sun, H. W. Roesky, Y. Yang  
Dalton Transactions **2015**, *44*, 19800 – 19804  
Tin sulfide and selenide clusters soluble in organic solvents with the core structures of Sn<sub>4</sub>S<sub>6</sub> and Sn<sub>4</sub>Se<sub>6</sub>  
**Cover page**

## Publikationen H. W. Roesky 1963 bis 2020

1274. S. Roy, K. C. Mondal, T. Mondal, D. Koley, B. Dittrich, H. W. Roesky  
Dalton Transaction **2015**, *44*, 19942-19947.  
Monomeric siliconthiodichloride trapped by a Lewis base  
Highlighted in Nachrichten aus der Chemie 2016, *64*, 224
1275. S.P. Sarish, P. P. Prinson, H. W. Roesky, C. Schulzke, K. Nijesh, S. De, P. Parameswaram  
Chem. Eur. J. **2015**, *21*, 19041-19047  
Multiple cycloaddition reactions of ketones with a  $\beta$ -diketiminato Al compound
1276. K. C. Mondal, S. Roy, H. W. Roesky  
Atlas of Science, 2015, December 20  
Silicon based radicals, radical ions, diradicals and diradicaloids
1277. K. C. Mondal, S. Roy, H. W. Roesky  
Chem. Soc. Rev. **2016**, *45*, 1080 – 1111  
Silicon based radicals, radical ions, diradicals and diradicaloids
1278. K. C. Mondal, S. Roy, B. Maity, D. Koley, H. W. Roesky  
Inorg. Chem. **2016**, *55*, 163 – 169  
Estimation of  $\sigma$ - donation and  $\pi$ - backdonation of cyclic alkyl(amino)carbene- containing compounds
1279. K. C. Mondal, S. Roy, B. Dittrich, D. M. Andrada, G. Frenking, H. W. Roesky  
Angew. Chem. **2016**, *128*, 3210 – 3213  
Angew. Chem. Int. Ed. **2016**, *55*, 3158 – 3161  
A triatomic silicon(0) cluster stabilized by a cyclic alkyl(amino)carbene  
VIP paper, Highlighted in Nachrichten aus der Chemie 2017, *65*, 234
1280. S. Roy, K. C. Mondal, H. W. Roesky  
Acc. Chem. Res. **2016**, *49*, 357 – 369  
Cyclic alkyl(amino) carbene stabilized complexes with low coordinate metals of enduring nature
1281. A.-C. Pöppler, J.-P. Demers, M. Malon, A. P. Singh, H. W. Roesky, Y. Nishiyama, A. Lange  
ChemPhysChem **2016**, *17*, 812- 816  
Ultrafast magic- angle spinning: benefits for the acquisition of ultrawide- line NMR spectra of heavy-1/2 nuclei Cover page
1282. Y. Zhi, Y. Yafei, M. Xiaoli, Z. Mingdong, Z. Dongxiang, T. Mondal, S. De, D. Koley, H. W. Roesky  
Chem. Eur. J. **2016**, *22*, Addition reaction of  $\text{Me}_3\text{SiCN}$  with aldehydes catalyzed by aluminum complexes containing in their coordination sphere O, S and N ligands



## Publikationen H. W. Roesky 1963 bis 2020

1283. C. Mohapatra, P.P. Samuel, B. Li, B. Niepötter, C. J. Schürmann, R. Herbst-Irmer, D. Stalke, B. Maity, D. Koley, H. W. Roesky  
Inorg.Chem. **2016**, 55, 1953-1956.  
Insertion of cyclic alkyl(amino)carbene into the Si-H bonds of Hydrochlorosilanes
1284. S. Roy, C. J. Schürmann, T. Mondal, D. Koley, R. Herbst-Irmer, D. Stalke, H. W. Roesky, Chem. Eur. J. **2016**, 22, 12629-12633 Activation of elemental sulfur at a two coordinate platinum(0) center  
VIP paper and also published in ChemViews Magazine as a high light Back Cover page
1285. C. Mohapatra, S. Kundu, A. N. Paesch, R. Herbst-Irmer, D. Stalke, D. M. Andrada, G. Frenking, H. W. Roesky  
J. Am. Chem. Soc. **2016**, 138, 10429-10432  
The structure of the carbene stabilized Si<sub>2</sub>H<sub>2</sub> may be equally well described with coordinate bonds as with classical double bonds Highlighted in Nachrichten aus der Chemie **2017**, 65, 233
1286. J. Li, B. Li, R. Liu, L. Jiang, H. Zhu, H. W. Roesky, S. Dutta, D. Koley, W. Liu, Q. Ye  
Chem. Eur. J. **2016**, 22, 14499 – 14503. DOI:10.1002/.chem.201603544  
A Germylene/borane Lewis Pair and the remarkable C=O bond cleavage reaction toward isocyanate and ketone molecules
1287. H. W. Roesky  
EISEVIER, ACADEMIC PRESS: ISBN; 978-0 -12-803530-6  
Efficient Methods for Preparing Silicon Compounds, 514 pages
1288. C. Geng, Y. Peng, L. Wang, H. W. Roesky, K. Liu  
Dalton Trans. **2016**, 45, 15779 – 15782  
A multimetallic iron (II) – lithium complex as a catalyst for ε – caprolactone polymerization
1289. S. Kundu, C. Mohapatra, P. P. Samuel, J. Kretsch, M. G. Walawalkar, R. Herbst-Irmer, D. Stalke, S. De, D. Koley, H. W. Roesky  
ChemCommun, **2017**, 53, 192-195.  
An unprecedented 1,4-diphospha-2,3-disila butadiene (-P=Si-Si=P-) derivative and a 1,3-diphospha-2-silaallyl anion, each stabilized by the amidinate ligand
1290. B. Li, S. Kundu, A. C. Stückl, H. Keil, R. Herbst-Irmer, D. Stalke, B. Schwerderski, W. Kaim, D. M. Andrada, G. Frenking, H. W. Roesky  
Angew. Chem. **2017**, 129, 407-411.  
Angew. Chem. Int. Ed. **2017**, 56, 397-400.  
A stable neutral radical in the coordination sphere of aluminum Ein stabiles neutrales Radikal in der

## Publikationen H. W. Roesky 1963 bis 2020

Koordinationssphäre des Aluminiums

Highlighted in Nachrichten aus der Chemie 2018, 66, 215

1291. X. Ma, M. Yao, M. Zhong, Z. Deng, W. Li, Z. Yang, H. W. Roesky *Z. Anorg. Allg. Chem.* **2017**, 643, 198-202  
Synthesis and characterization of  $\beta$ -diketiminate aluminum compounds and their use in the ring-opening polymerization of  $\epsilon$ -caprolactone
1292. B. Li, S. Kundu, H. Zhu, H. Keil, R. Herbst-Irmer, D. Stalke, G. Frenking, D.M. Andrada, H.W. Roesky  
*Chem. Commun.* **2017**, 53, 2543-2546;  
DOI.org/10.1039/C7CC00325K  
An open route to asymmetric substituted Al-Al bonds using Al(I)- and Al(III)-precursors  
Cover page and Highlighted in Nachrichten aus der Chemie 2018, 66, 215
1293. D. Wang, S.-Y. Wu, H.-P. Li, Y. Yang, H. W. Roesky  
*Eur. J. Inorg. Chem.* **2017**, 1406–1413. DOI.org/10.1002/ejic.201601451  
Synthesis and characterization of copper complexes with the N-(2,6-diisopropylphenyl)-N'-acylthiourea ligands
1294. N. Parvin, S. Pal, S. Das, S. K. Pati, H. W. Roesky, S. Khan  
*Inorg. Chem.* **2017**, 56, 1706-1712  
Unique approach to copper(I) silylene chalcogenone complexes
1295. B. Li, J. Li, H. Zhu, H.W. Roesky  
*Inorg. Chem.* **2017**, 56, 3136-3139  
DOI.org/10.1021/acs.inorgchem.7b00012  
Facile route to rare heterobimetallic aluminum-copper and aluminum-zinc selenide clusters
1296. S. Kundu, B. Li, J. Kretsch, R. Herbst-Irmer, D. M. Andrada, G. Frenking, D. Stalke, H. W. Roesky  
*Angew. Chem. Int. Ed.* **2017**, 56, 4219-4223  
*Angew. Chem.* **2017**, 129, 4283-4287.  
An electrophilic carbene-anchored silylene-phosphinidene
1297. Md. A. H. Chowdhury, M. R. Haque, S. Ghosh, S. M. Mobin, D. A. Tocher, G. Hogarth, M. G. Richmond, S. E. Kabir, H. W. Roesky  
*J. Organomet.* **2017**, 836-837, 68-80.  
Reversible C-H bond activation at a triosmium centre: A comparative study of the reactivity of unsaturated triosmium clusters  $\text{Os}_3(\text{CO})_8(\mu\text{-dppm})(\mu\text{-H})_2$  and  $\text{Os}_3(\text{CO})_8(\mu\text{-dppf})(\mu\text{-H})_2$  with activated alkynes
1298. P.P. Samuel, S. Kundu, C. Mohapatra, A. George, S. De, P. Parameswaran, H. W. Roesky  
*Eur. J. Org. Chem.* **2017**, 2327-2331;  
DOI.org/10.1002/ejoc.201700433  
One-pot catalytic synthesis of *gem*-diazides and their direct conversion into safe materials

## Publikationen H. W. Roesky 1963 bis 2020

1299. W. Li, X. Ma, M. G. Walawalkar, Z. Yang, H. W. Roesky  
Coordination Chem.Rev.**2017**,*350*,14-29  
Soluble aluminum hydrides function as catalysts in deprotonation, insertion, and activation reactions
1300. Md. M. M. Khan, Md. M. Alam, S. Ghosh, A. Rahman, D. A. Tocher, M. G. Richmond, S. E. Kabir, H.W. Roesky  
J. Organomet. Chem. **2017**,*843*,75-86  
Reactions of Ru<sub>3</sub>GeH: Ge-H and Ge-C bond cleavage in Ph<sub>3</sub>GeH at triruthenium clusters
1301. A. E. Seitz, M. Eckhardt, S. S. Sen, A. Erlebach, E. V. Peresyphkina, H. W. Roesky, M. Sierka, M. Scheer  
Angew. Chem, Int.Ed. **2017**, *56*, 6655-6659  
Angew. Chem. **2017**, *129*,6755-6759  
Different reactivity of As<sub>4</sub> towards disilenes and silylenes  
Highlighted in Nachrichten aus der Chemie 2017, 66, 226
1302. S. Kundu, P.P. Samuel, A. Luebben, D. M. Andrada, G. Frenking, B. Dittrich, H. W. Roesky  
Dalton Trans. **2017**, *46*, 7947-7952  
Carbene stabilized interconnected bis-germylene and its silicon analogue with small methyl substituents
1303. Md. M. M. Khan, S. Ghosh, G. Hogarth, D. A. Tocher, M. G. Richmond, S. E. Kabir, H. W. Roesky  
J.Organom. Chem.**2017**, *840*, 47-55  
Mixed main group transition metal clusters: Reactions of [Ru<sub>3</sub>(CO)<sub>10</sub>(μ-dppm)] with Ph<sub>3</sub>SnH
1304. C. Mohapatra, S. Kundu, A.N. Paesch, R. Herbst-Irmer, D. Stalke, D. M. Andrada, G. Frenking, H.W. Roesky  
J.Am. Chem. Soc. **2016**,*138*, 10429-10432  
The structure of the carbene stabilized Si<sub>2</sub>H<sub>2</sub> may be equally well described with coordinate bonds as with classical double bonds
1305. S. Kundu, P.P. Prinson, S. Sinhababu, A.V. Luebben, B. Dittrich, D.M. Andrada, G. Frenking, A.C. Stückl, B. Schwederski, A. Paretzki, W. Kaim, H.W. Roesky  
J.Am.Chem.Soc. **2017**, *139*, 11028-11031  
Organosilicon radicals with Si-H and Si-Me bonds from commodity precursors  
Spotlight of a JACS publication
1306. Y. Gao, Y. Yang, W. Zheng, Y. Su, X. Zhang, H. W. Roesky  
Inorg. Chem. **2017**, *56*, 10220-10225  
Germanium and tin monoxides trapped by oxophilic germylene and stannylene ligands

## Publikationen H. W. Roesky 1963 bis 2020

1307. S. Roy, K.C. Mondal, S. Kundu, B. Li, C.J. Schürmann, S. Dutta, D. Koley, R. Herbst-Irmer, D. Stalke, H. W. Roesky  
Chem.Eur.J. **2017**, *23*, 12153-12157  
Two structurally characterized conformational isomers with different C-P bonds  
**Highlighted in Nachrichten aus der Chemie 2018, 66, 223**
1308. S. Kundu, S. Sinhababu, S. Dutta, T. Mondal, D. Koley, B. Dittrich, B. Schwederski, W. Kaim, A.C. Stückl, H. W. Roesky  
Chem.Comm. **2017**, *53*, 10516-10519;  
DOI:10.1039/C7CC06358  
Synthesis and characterization of Lewis base stabilized mono- and di-organo aluminum radicals
1309. S. Chen, B. Li, X. Wang, Y. Huang, J. Li, H. Zhu, L. Zhao, G. Frenking, H. W. Roesky  
Chem. Eur. J. **2017**, *23*, 13633-13637  
A C(sp<sup>2</sup>)-H Dehydrogenation of heteroarenes and arenes by a functionalized aluminum hydride  
**Hot paper**
1310. M. Damjanovi, P. Samuel, H. W. Roesky, M. Enders  
Dalton Trans. **2017**, *16*, 5159 – 5169  
DOI.org/10.1039/C7DT00408G  
NMR analysis of an Fe(I)-carbene complex with strong magnetic anisotropy
1311. S. Sinhababu, S. Kundu, A. N. Paesch, R. Herbst-Irmer, D. Stalke, H. W. Roesky  
Eur.J. Inorg. Chem. **2018**, (20-21), 2237-2240  
DOI: 10.1002/ejic.201701347  
A route to aluminumdiisocyanate and -diisothiocyanate from an Al(I) precursor
1312. X. Hou, F. Wang, L. Han, X. Pan, H. Li, Y. Yang, H. W. Roesky  
Z. Anorg. Allg. Chem. **2018**, *644*, 142-148  
DOI: 10.1002/zaac.201700430; Self-assembly of discrete copper(I)-halide complexes with diacylthioureas  
**Cover**
1313. S. Sinhababu, S. Kundu, A. N. Paesch, R. Herbst-Irmer, D. Stalke, I. Fernandez, G. Frenking, A. C. Stückl, B. Schwederski, W. Kaim, H. W. Roesky  
Chem. Eur. J. DOI: 10.1002/chem.201705777; . **2018**, *24*, 1264 – 1268  
A route to base coordinate silicon difluoride and the silicon trifluoride radical  
**Hot Paper**
1314. S. S. Sen, H.W. Roesky  
ChemCommun **2018**, *54*, 5046-5057  
DOI: 10.1039/C8CC00049B;  
Silicon- fluorine chemistry: from preparation of SiF<sub>2</sub> to C-F bond activation using silylenes and its heavier congeners

## Publikationen H. W. Roesky 1963 bis 2020

1315. H. W. Roesky  
CHEMKON **2018**, 25, 196-198  
Geschichten des Silbers
1316. S. Kundu, S. Sinhababu, M. M. Siddiqui, A.V. Luebben, B. Dittrich, T. Yang, G. Frenking, H. W. Roesky  
J. Am. Chem. Soc. **2018**, 140, 9409-9412  
Comparison of Two Phosphinidenes Binding to Silicon (IV)dichloride as well as to Silylene  
Highlight in Nachrichten aus der Chemie erschienen, **2019**, 67, 54
1317. M. M. Siddiqui, S. Sinhababu, S. Dutta, S. Kundu, P. N. Ruth, A. Münch, R. Herbst-Irmer, D. Stalke, D. Koley, H.W. Roesky  
Angew. Chem. **2018**, 130, 11950-11954  
Angew.Chem.Int.Ed.Engl. **2018**, 57, 11776-11780.  
DOI:10.1002/anie.201805936  
Silylidenes and Germanylidenes Anions: Valence-Isoelectronic Species to the Well-Studied Phosphinidene  
Highlighted in Nachrichten aus der Chemie **2019**, 67, 80.
1318. Y. Liu, X. Ma, Y. Ding, Z. Yang, H. W. Roesky  
Organometallics **2018**, 37, 3839-3845  
DOI:10.1021/acs.organomet.8b00518  
N-Tosylhydrazone Precursor for Diazo Compounds as Intermediates in the Synthesis of Aluminum Complexes
1319. J. Kumar, N. V. T, S. Gorantla, S. Roy, A.N. Paesch, R. Herbst-Irmer, D. Stalke, C. Anusha, S. De, P. Parameswaran, H. W. Roesky, K. C. Mondal  
ChemistrySelect **2018**, 3, 8221-8228  
A dicobalt coordination complex with a short cobalt-cobalt distance
1320. S. Khan, H.W. Roesky  
Chem. Eur. J. **2019**, 25, 1636-1648  
Carbene-Stabilized Exceptional Silicon Halides
1321. S. Kundu, S. Sinhababu, A.V. Luebben, T. Mondal, D. Koley, B. Dittrich, H.W. Roesky  
J. Am. Chem. Soc. **2018**, 140, 151-154.  
Reagent for introducing base-stabilized Phosphorus atoms into Organic and Inorganic compounds  
Highlighted in Nachrichten aus der Chemie **2019**, 67, 54.
1322. Y. Liu, J. Li, X. Ma, Z. Yang, H. W. Roesky  
Coordination Chem. Rev. **2018**, 374, 387-415  
The chemistry of Aluminum(I) and  $\beta$ -diketiminato ligands and Pentamethylcyclopentadienyl-substituents: synthesis, reactivity and applications
1323. A .K. Sonkar, A. Rai, K. Tripathi, P. Sharma, H. W. Roesky, M.G.B. Drew, L. Mishra  
Dalton Trans. **2019**, 48, 158-167  
A benzimidazolyl terpyridine-Fe<sup>2+</sup> system and its recognition driven molecular Model of a Traffic Light

## Publikationen H. W. Roesky 1963 bis 2020

1324. W. Li, Ch. Köhler, Zhi Yang, D. Stalke, R. Herbst-Irmer, H. W. Roesky  
Chem. Eur. J. **2019**, 25, 1193-1197  
Synthesis of cyclic alkyl(amino) carbene stabilized Silylenes with small N-donating substituents
1325. J. Li, M. Zhong, H. Keil, H. Zhu, R. Herbst-Irmer, D. Stalke, S. De, D. Koley, H. W. Roesky  
Chem. Commun. **2019**, 55, 2360-2363  
DOI: 10.1039/c8cc10124h  
(PhC(NtBu)<sub>2</sub>Al)<sub>2</sub>(SiH<sub>2</sub>)<sub>4</sub> Six-Membered Heterocycle: Comparable in Structure to Cyclohexane  
Highlighted in Chemistry World of the Royal Society of Chemistry by Becky Webb, 5.2.2019 with the title: New inorganic analogue of cyclohexane is the first cyclic silicon-aluminium compound
1326. S. Kundu, S. Sinhababu, V. Chandrasekhara, H. W. Roesky  
Chemical Science **2019**, 10, 4727-4741  
DOI: 10.1039/C9SC01351B,  
Stable cyclic (alkyl)(amino)carbene (cAAC) radicals with main group substituents
1327. S. K. Sarkar, M. M. Siddiqui, S. Kundu, M. Ghosh, J. Kretsch, P. Stollberg, R. Herbst-Irmer, D. Stalke, A. C. Stückl, B. Schwederski, W. Kaim, S. Ghorai, E. D. Jemmis, H. W. Roesky  
Dalton Trans. **2019**, 48, 8551-8555.  
DOI:10.1039/C9T01899  
A Isolation of base stabilized fluoroborylene and its radical cation
1328. M. M. Siddiqui, S. K. Sarkar, S. Sinhababu, P.N. Ruth, R. Herbst-Irmer, D. Stalke, M. Ghosh, M. Fu, L. Zhao, D. Casanova, G. Frenking, B. Schwederski, W. Kaim, H. W. Roesky  
J. Am. Chem. Soc. **2019**, 141, 1908-1912  
DOI:10.1021/jacs.13434  
Isolation of transient acyclic germanium(I) radicals stabilized by cyclic alkyl(amino) carbene  
Highlighted in Nachrichten aus der Chemie, 68, 2020 page 56
1329. W. Li, S. Kundu, C. Köhler, J. Li, S. Dutta, Z. Yang, D. Stalke, R. Herbst-Irmer, A. C. Stückl, B. Schwederski, D. Koley, W. Kaim, H. W. Roesky  
Organometallics, **2019**, 38, 1939- 1945  
DOI:10.1021/acs.organomet.9b00041  
Cyclic(alkylamino) carbene-stabilized monoradicals of organosilicon(IV) compounds with small substituents
1330. P. M. Gurubasavaraj, H. W. Roesky, N. S. Hosmane  
In: Colacot, T., Sivakumar, V. (eds) *Organometallics in Process Chemistry. Topics in Organometallic Chemistry*, vol **65**, 271-306. Springer Nature Switzerland  
Print ISBN 978-3-030-27960-8  
[https://link.springer.com/chapter/10.1007/3418\\_2019\\_29](https://link.springer.com/chapter/10.1007/3418_2019_29)

## Publikationen H. W. Roesky 1963 bis 2020

Oxygen effect in heteromultimetallic catalysis: Oxygen-bridged catalysts for olefin polymerization process

1331. Qiumiao Shen, Xiaoli Ma, Wenling Li, Wenqing Liu, Yi Ding, Zhi Yang, H. W. Roesky  
*Chem. Eur. J.* **2019**, *25*, 11918- 11923  
Organoaluminum compounds as catalysts for monohydroboration of carbodiimides
1332. Y. Liu, X. Ma, Y. Ding, Z. Yang, H. W. Roesky  
*Organometallics* **2018**, *37*, 3839-3845  
DOI:10.1021/acs.organomet.8b00518  
N-Tosyl hydrazone precursor for diazo compounds as intermediates in the synthesis of aluminum complexes
1333. Y. Ding, X. Ma, Y. Liu, W. Liu, Z. Yang, H. W. Roesky  
*Organometallics*, **2019**, *38*, 3092-3097  
DOI: 1021/acs.organomet.9b00421  
Alkylaluminum complexes as precatalyst in hydroboration of nitriles and carbodiimides
1334. M. Zhong, Y. Liu, S. Kundu, N. Graw, J. Li, Z. Yang, R. Herbst-Irmer, D. Stalke, H. W. Roesky  
*Inorg. Chem.* **2019**, *58*, 10625-10628,  
DOI:10.1021/acs.inorgchem.9b2001  
AlCl<sub>2</sub> and H<sub>2</sub>AlCl as precursors for the preparation of compounds with four- and five-coordinate aluminum
1335. S. Sinhababuh, M. M. Siddiqui, S. K. Sarkar, A. Münch, R. Herbst-Irmer, A. George, P. Parameswaran, D. Stalke, H. W. Roesky  
*Chem.Eur.J.* **2019**, *25*, 11422-11426  
Treatment of silylene-phosphinidene with chalcogens resulted exclusively in the formation of silicon-bonded chalcogens
1336. M. Zhong, S. Sinhababu, H. W. Roesky  
*Dalton Trans.*, **2020**, *49*, 1351- 1364  
DOI: 10.1039/c9dt04763h  
The unique β-diketimate ligand in aluminum(I) and gallium(I) chemistry
1337. J. Li, P. Wu, W. Jiang, B. Li, B. Wang, H. Zhu, H. W. Roesky  
*Angew. Chem.Intern.Edit.* **2020**, *59*, 10027-10031  
doi.org/10.1002/anie.202000899.  
*Angew. Chem.* Doi.org/10.1002/ange.202000899  
An Unusual and Facile Synthetic Route to Alumoles  
**Highlighted as a hot paper**
1338. A. Bakker, M. Freitag, E. Kolodzeiski, P. Bellotti, A. Timmer, J. Ren, B. Schulze Lammers, D. Moock, H. W. Roesky, H. Mönig, S. Amirjalayer, H. Fuchs, Autor Autor F. Glorius  
*Angew. Chem. Int. Ed.* **2020**, *59*, 13643-13646;  
*Angew. Chem.* **2020**, *132*, 13745-13749  
Ein elektronenreiches cyclisches (Alkyl)(amino)carben auf Au(111)-, Ag(111)- und Cu(111)-Oberflächen  
**Highlighted as very important paper**

## Publikationen H. W. Roesky 1963 bis 2020

1339. V.S.V.S.N. Swamy, K. Vanka, K. V. Raj, S. S. Sen, H. W. Roesky  
ChemComm **2019**, 55, 3536-3539  
DOI:10.1039/C9CC00296K  
Silylene induced cooperative B-H bond activation and unprecedented aldehyde bond splitting with amidinate ring expansion
1340. **Roesky**, Herbert W. :  
Surprising results in fluorine chemistry and related elements  
In: The curious world of fluorinated molecules. Edited by K. Seppelt  
San Diego: Elsevier, **2020**, 303-317  
(*Progress in Fluorine Science*; **6**) Paperback  
ISBN: 9780128198742
1341. Z. Liu, H. Keil, Y. Zang, R. Herbst-Irmer, H. W. Roesky, D. Stalke  
Eur.J.Inorg. Chem. **2020**, 2273-2278  
doi.org/10.1002/ejic.202000294  
Phosphorus silicon compounds from reduction of MesP(H)SiCl<sub>2</sub>Ph/Carbene with and without metal.
1342. Y. Chen, J. Li, W. Jiang, J. Zhao, H. Zhu, S. Muhammed, P. Parameswaran, H. W. Roesky  
Organometallics **2020**, 39, 4282-4286  
DOI: 10.1021/acs.organomet.0c00368  
A C2-linked bis-silene formed without using metals and the transformation into the bis-silyl and bis-silylium C4 cumulenes
1343. M. Siddiqui, S. Banerjee, S. Bose, S. Sarkar, S. Gupta, J. Kretsch, N. Graw, R. Herbst-Irmer, D. Stalke, S. Dutta, D. Koley, H. W. Roesky  
Inorg. Chem. **2020**, 59, 11253-11258  
Cyclic (alkyl)(amino)carbene stabilized aluminium and gallium radicals based on amidinate Scaffolds
1344. S. K. Sarkar, R. Chaliha, M. M. Siddiqui, S. Banerjee, A. Münch, R. Herbst-Irmer, D. Stalke, E. D. Jemmis, H. W. Roesky  
Angew. Chem. Int.Ed. **2020**, 59, 23015-23019  
A neutral three-membered 2π aromatic disilaborirane and the unique conversion to a four-membered BSi<sub>2</sub>N-Ring
1345. B. Li, Y. Yang, H. Zhu, H. W. Roesky  
Coordination Chem.Rev. **2021**, 429, 213625.  
<https://doi.org/10.1016/J.ccr.2020.213625>  
β-Diketiminato)aluminum hydroxides and the Chalcogenide Derivatives: Precursors for homo- and heterometallic complexes with Al-E-M (E = chalcogen, M = metal) frameworks



## Publikationen H. W. Roesky 1963 bis 2020

1346. M. Nazish, M.M. Siddiqui, S.K. Sarkar, A. Münch, Ch.M. Legendre, R. Herbst-Irmer, D. Stalke, H.W. Roesky  
Chemistry. Eur. J. **2020**, 27, 1749-1752;  
doi.org/10.1002/chem.202003513  
Synthesis and coordination behavior of a new hybrid bidentate ligand with phosphine and silylene donors
1347. S. Banerjee, S. Dutta, S. K. Sarkar, N. Graw, R. Herbst-Irmer, D. Koley, D. Stalke, H. W. Roesky  
Dalton Transactions, **2020**,49, 14231-14236  
DOI: 10.1039/D0DT03161E  
Amidinate based indium(III) monohalides and  $\beta$ -diketiminato stabilized In(II)-In(II) bond: Synthesis, crystal structure, and computational study
1348. S. S. Sen, H. W. Roesky  
Donor-acceptor stabilization of species with low-coordinate germanium  
In: Organogermanium Compounds: Theory, Experiment, and Applications ; vol. 1. –Ed: Vladimir Ya Lee. - Hoboken, NJ : Wiley. 2023  
<https://doi.org/10.1002/9781119613466.ch13>  
Print ISBN:9781119613435 | Online ISBN:9781119613466  
Book chapter 13, 561-595
1349. J. Li, Y. Liu, S. Kundu, H. Keil, H. Zhu, R. Herbst-Irmer, D. Stalke, H. W. Roesky  
Inorg.Chem.**2020**, 59, 7910-7914  
Reactions of amidinate-supported silylene with organoborondihalides