

Thomas MÃ¼ller

List of Publications by Year in descending order

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128
times ranked

2230
citing authors

#	ARTICLE	IF	CITATIONS
1	Norbornene based-sulfide-stabilized silylium ions: synthesis, structure and application in catalysis. Dalton Transactions, 2022, 51, 1407-1414.	1.6	3
2	A phenyl-substituted germole dianion and its reaction with hafnocene dichloride. Mendeleev Communications, 2022, 32, 46-48.	0.6	3
3	Hydrogen-Bridged Oligosilanylsilyl Mono- and Oligosilanylsilyl Dications. Chemistry - A European Journal, 2022, 28, .	1.7	3
4	Si-H-As-Se Chalcogen-Hydride Bond Quantified by Diffraction and Topological Analyses. Inorganic Chemistry, 2022, , .	1.9	2
5	Reductive Elimination at Pb(II) Center of an (Amino)plumbylene-Substituted Phosphaketene: New Pathway for Phosphinidene Synthesis. Chemistry - A European Journal, 2022, 28, .	1.7	4
6	Covalent triflates as synthons for silolyl- and germolyl cations. Dalton Transactions, 2022, 51, 9836-9842.	1.6	1
7	Intramolecular Halo Stabilization of Silyl Cations-Silylated Halonium- and Bis-Halo-Substituted Siliconium Borates. Chemistry - A European Journal, 2021, 27, 3496-3503.	1.7	7
8	Three-membered cyclic digermynes stabilised by an N-heterocyclic carbene. Chemical Science, 2021, 12, 6287-6292.	3.7	8
9	Silylium Ions: From Elusive Reactive Intermediates to Potent Catalysts. Chemical Reviews, 2021, 121, 5889-5985.	23.0	140
10	Radicals and Anions of Siloles and Germoles. Chemistry - A European Journal, 2021, 27, 12063-12068.	1.7	11
11	Radicals and Anions of Siloles and Germoles. Chemistry - A European Journal, 2021, 27, 12011-12011.	1.7	0
12	On the Origin of the Non-Planarity in Biarylsilyloxonium Ions. Chemistry - A European Journal, 2021, 27, 15496-15500.	1.7	4
13	Silole allylic anions instead of silanides. Dalton Transactions, 2021, 50, 16945-16949.	1.6	0
14	NH bond activation of ammonia and amines by ditetrelenes: key insights into the stereochemistry of nucleophilic addition. Dalton Transactions, 2021, 50, 17734-17750.	1.6	2
15	The influence of ring strain on the formation of Si-H-Si stabilised oligosilanylsilyl cations. Dalton Transactions, 2021, 50, 16509-16513.	1.6	0
16	Electrochemical-Induced Ring Transformation of Cyclic \pm -(ortho-iodophenyl)- β -oxoesters. Chemistry - A European Journal, 2020, 26, 3222-3225.	1.7	12
17	Chiral Memory in Silyl-Pyridinium and Quinolinium Cations. Journal of the American Chemical Society, 2020, 142, 564-572.	6.6	25
18	The Combination of Cross-Hyperconjugation and π -Conjugation in 2,5-Oligosilyl Substituted Siloles. Chemistry - A European Journal, 2020, 26, 17252-17260.	1.7	8

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19	Chiral Chalcogenyl-Substituted Naphthyl- and Acenaphthyl-Silanes and Their Cations. <i>Chemistry - A European Journal</i> , 2020, 26, 16441-16449.	1.7	14
20	Trialkylsilyl-Substituted Silole and Germole Dianions as Precursors for Unusual Silicon and Germanium Compounds. <i>Accounts of Chemical Research</i> , 2020, 53, 532-543.	7.6	35
21	A germaaluminocene. <i>Chemical Science</i> , 2020, 11, 2982-2986.	3.7	12
22	Potassium Salts of 2,5-Bis(trimethylsilyl)-Germolide: Switching between Aromatic and Non-Aromatic States. <i>Chemistry - A European Journal</i> , 2019, 25, 10767-10767.	1.7	2
23	An Experimental Acidity Scale for Intramolecularly Stabilized Silyl Lewis Acids. <i>Chemistry - A European Journal</i> , 2019, 25, 15123-15130.	1.7	27
24	Potassium Salts of 2,5-Bis(trimethylsilyl)-Germolide: Switching between Aromatic and Non-Aromatic States. <i>Chemistry - A European Journal</i> , 2019, 25, 10858-10865.	1.7	16
25	A Germacallicene: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2019, 25, 1098-1105.	1.7	13
26	Exceptionally Long C-C Single Bonds in Diamino-carborane as Induced by Negative Hyperconjugation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1397-1401.	7.2	62
27	Cation-Triggered Stannate(II)/Stannylene/Stannylene Conversion. <i>Chemistry - A European Journal</i> , 2018, 24, 5967-5973.	1.7	13
28	Hafnocene-based Bicyclo[2.1.1]hexene Germylenes – Formation, Reactivity, and Structural Flexibility. <i>Journal of the American Chemical Society</i> , 2018, 140, 3052-3060.	6.6	52
29	Spirocyclic germanes via transannular insertion reactions of vinyl germylenes into Si-Si bonds. <i>Dalton Transactions</i> , 2018, 47, 5985-5996.	1.6	7
30	A One-Step Germole to Silole Transformation and a Stable Isomer of a Disilabenzene. <i>Chemistry - A European Journal</i> , 2018, 24, 848-854.	1.7	26
31	Exceptionally Long C-C Single Bonds in Diamino-carborane as Induced by Negative Hyperconjugation. <i>Angewandte Chemie</i> , 2018, 131, 1411.	1.6	16
32	Exceptionally Long C-C Single Bonds in Diamino-carborane as Induced by Negative Hyperconjugation. <i>Angewandte Chemie</i> , 2018, 131, 1234.	1.6	1
33	Trialkylsilyl-Substituted Silole and Germole Dianions. <i>Organometallics</i> , 2018, 37, 4736-4743.	1.1	34
34	Evidence for a Single Electron Shift in a Lewis Acid-Base Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 15419-15424.	6.6	53
35	Einelektronenübertragungsreaktionen in frustrierten und klassischen Silyliumion/Phosphan-Lewis-Paaren. <i>Angewandte Chemie</i> , 2018, 130, 15487-15492.	1.6	22
36	Ein neutraler 5-Aminoborol- Germanium(II)-Komplex. <i>Angewandte Chemie</i> , 2018, 130, 13503-13508.	1.6	16

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37	Single-Electron Transfer Reactions in Frustrated and Conventional Silylium Ion/Phosphane Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15267-15271.	7.2	52
38	Reactivity of a Bicyclo[2.1.1]hexene Germylene towards Elemental Chalcogens. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1041-1046.	0.6	8
39	A Neutral σ -5-Aminoborole Complex of Germanium(II). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13319-13324.	7.2	38
40	A Dimeric μ_2 - μ_5 -Germole Dianion Bridged Titanium(III) Complex with a Multicenter Ti \cdots Ge \cdots Ge \cdots Ti Bond. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8634-8638.	7.2	27
41	A Dimeric μ_2 - μ_5 -Germole Dianion Bridged Titanium(III) Complex with a Multicenter Ti \cdots Ge \cdots Ge \cdots Ti Bond. <i>Angewandte Chemie</i> , 2018, 130, 8770-8774.	1.6	8
42	Dihydrogen Splitting Using Dialkylsilylene-Based Frustrated Lewis Pairs. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1204-1207.	1.7	29
43	A Stable Silylene with a μ_2 - μ -Butadiene Ligand. <i>Journal of the American Chemical Society</i> , 2017, 139, 7117-7123.	6.6	44
44	Silyl Chalconium Ions: Synthesis, Structure and Application in Hydrodefluorination Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 9973-9973.	1.7	1
45	Silyl Chalconium Ions: Synthesis, Structure and Application in Hydrodefluorination Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 10068-10079.	1.7	39
46	N-Heterocyclic Germylene/B(C ₆ F ₅) ₃ Adducts: A Lewis Pair with Multi-reactive Sites. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1365-1370.	7.2	61
47	Cationic Si \cdots H \cdots Si Bridges in Polysilanes: Their Detection and Targeted Formation in Stable Ion Studies. <i>Chemistry - A European Journal</i> , 2016, 22, 7970-7977.	1.7	24
48	A Stable Heterocyclic Amino(phosphanylidene)f ₄ -phosphorane) Germylene. <i>Angewandte Chemie</i> , 2016, 128, 4831-4836.	1.6	51
49	A Stable Heterocyclic Amino(phosphanylidene)f ⁴ -phosphorane) Germylene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4753-4758.	7.2	91
50	Dispersion-Energy-Driven Wagner-Meerwein Rearrangements in Oligosilanes. <i>Journal of the American Chemical Society</i> , 2016, 138, 6886-6892.	6.6	26
51	Activation of 7-Silanorbornadienes by N-Heterocyclic Carbenes: A Selective Way to N-Heterocyclic-Carbene-Stabilized Silylenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 6061-6067.	6.6	48
52	Basic Reactivity Pattern of a Cyclic Disilylated Germylene. <i>Organometallics</i> , 2016, 35, 2728-2737.	1.1	36
53	Alkyne Addition and Insertion Reactions of [(Me ₃ Si) ₃ Si] ₂ Ge \cdots PMe ₃ . <i>Chemistry - A European Journal</i> , 2016, 22, 18512-18521.	1.7	17
54	The Silicon Version of Phosphine Chalcogenides: Synthesis and Bonding Analysis of Stabilized Heavy Silaldehydes. <i>Inorganic Chemistry</i> , 2016, 55, 9026-9032.	1.9	16

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55	A Germylene Stabilized by Homoconjugation. <i>Angewandte Chemie</i> , 2016, 128, 16131-16136.	1.6	15
56	A Germylene Stabilized by Homoconjugation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15899-15904.	7.2	47
57	Chromium point defects in hexagonal BaTiO_3 . A comparative study of first-principles calculations and experiments. <i>Physical Review B</i> , 2015, 91, .		
58	Preparation of a Silanone through Oxygen Atom Transfer to a Stable Cyclic Silylene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12404-12409.	7.2	27
59	A Molecular Hexacoordinated Triorganoaluminum Compound with Trifold Si \rightarrow H \cdot Al Coordination. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 2543-2548.	0.6	3
60	Cyclic Silylated Onium Ions of Group 15 Elements. <i>Inorganic Chemistry</i> , 2015, 54, 2393-2402.	1.9	11
61	Wagner \rightarrow Meerwein-Type Rearrangements of Germopolysilanes - A Stable Ion Study. <i>Organometallics</i> , 2015, 34, 3756-3763.	1.1	17
62	Quantitative Assessment of the Lewis Acidity of Silylium Ions. <i>Organometallics</i> , 2015, 34, 4952-4958.	1.1	94
63	Study of charged defects for substitutionally doped chromium in hexagonal barium titanate from first-principles theory. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 527-531.	1.2	15
64	Formation and Properties of a Bicyclic Silylated Digermene. <i>Chemistry - A European Journal</i> , 2014, 20, 9357-9366.	1.7	31
65	Hydrogen-Bridged Digermyl and Germysilyl Cations. <i>Organometallics</i> , 2014, 33, 1492-1498.	1.1	35
66	Dihydrogen Activation by a Silylium Silylene Frustrated Lewis Pair and the Unexpected Isomerization Reaction of a Protonated Silylene. <i>Chemistry - A European Journal</i> , 2014, 20, 9381-9386.	1.7	79
67	Coordination Chemistry of Disilylated Stannylenes with Group 10 d 10 Transition Metals: Silastannene vs Stannylene Complexation. <i>Journal of the American Chemical Society</i> , 2013, 135, 7949-7959.	6.6	39
68	Coordination Chemistry of Disilylated Germylenes with Group 4 Metallocenes. <i>Organometallics</i> , 2013, 32, 3300-3308.	1.1	50
69	Dibenzosilanorbornadienyl Cations and Their Fragmentation into Silyliumylidenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 10353-10361.	6.6	60
70	Synthesis of Silylium and Germylium Ions by a Substituent Exchange Reaction. <i>Organometallics</i> , 2013, 32, 4713-4722.	1.1	84
71	Cyclic Disilylated and Digermylated Germylenes. <i>Organometallics</i> , 2013, 32, 3404-3410.	1.1	38
72	Silylium Ion/Phosphane Lewis Pairs. <i>Organometallics</i> , 2013, 32, 6736-6744.	1.1	90

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73	Silylium Ions. Structure and Bonding, 2013, , 107-162.	1.0	24
74	Dispersion Energy Enforced Dimerization of a Cyclic Disilylated Plumbylene. Journal of the American Chemical Society, 2012, 134, 6409-6415.	6.6	77
75	Coordination Chemistry of Cyclic Disilylated Stannylenes and Plumblyenes to Group 4 Metallocenes. Journal of the American Chemical Society, 2012, 134, 10864-10875.	6.6	72
76	Silyl Cation Mediated Conversion of CO ₂ into Benzoic Acid, Formic Acid, and Methanol. Angewandte Chemie - International Edition, 2012, 51, 2981-2984.	7.2	134
77	A Cyclic Disilylated Stannylene: Synthesis, Dimerization, and Adduct Formation. Journal of the American Chemical Society, 2011, 133, 5632-5635.	6.6	72
78	A New Synthesis of Triarylsilylium Ions and Their Application in Dihydrogen Activation. Angewandte Chemie - International Edition, 2011, 50, 12636-12638.	7.2	156
79	²⁹ Si NMR Chemical Shift Tensor and Electronic Structure of 7-Silanorbornadienes. Silicon, 2010, 2, 217-227.	1.8	7
80	A catalytic C–C bond-forming reaction between aliphatic fluorohydrocarbons and arylsilanes. Applied Organometallic Chemistry, 2010, 24, 533-537.	1.7	59
81	Hyperconjugation in β -silyl substituted vinyl cations – indications from IR spectroscopy. Journal of Physical Organic Chemistry, 2010, 23, 1043-1048.	0.9	11
82	Electrochemistry and MO Computations of Saturated and Unsaturated N-Heterocyclic Silylenes. Organometallics, 2010, 29, 1603-1606.	1.1	9
83	Silaimidazolium and silaimidazolidinium ions. Dalton Transactions, 2010, 39, 9296.	1.6	23
84	Trisilyl-Substituted Vinyl Cations. Chemistry - A European Journal, 2009, 15, 8414-8423.	1.7	15
85	A Bis(silaselenone) with Two Donor-Stabilized Si–Se Bonds from an Unexpected Stereoconvergent Hydrolysis of a Diselenadisiletane. Angewandte Chemie - International Edition, 2009, 48, 4069-4072.	7.2	39
86	Shuttling Germanium Atoms into Branched Polysilanes. Journal of the American Chemical Society, 2009, 131, 5022-5023.	6.6	38
87	Silylene and Germylene Intermediates in the Reactions of Silole and Germole Dianions with <i>N</i> -tert-butylethylenediimine. European Journal of Inorganic Chemistry, 2008, 2008, 2344-2349.	1.0	11
88	Molecular Structure of a Cyclopropyl Substituted Vinyl Cation. Journal of the American Chemical Society, 2008, 130, 14956-14957.	6.6	29
89	Structure and Bonding in Bissilylated Arenium Ions. Organometallics, 2007, 26, 3524-3529.	1.1	22
90	Unusually Stable Vinyl Cations. ACS Symposium Series, 2007, , 51-67.	0.5	4

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91	Hydrogen- and Fluorine-Bridged Disilyl Cations and Their Use in Catalytic C-F Activation. <i>Journal of the American Chemical Society</i> , 2006, 128, 9676-9682.	6.6	251
92	Unusual Reaction of 1,1-Dithio-2,3,4,5-tetraphenylsilole with 1,3-Dienes Yielding Spirosilanes and Elemental Lithium. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2578-2581.	7.2	20
93	Cations of Group 14 Organometallics. <i>Advances in Organometallic Chemistry</i> , 2005, 53, 155-215.	0.5	122
94	σ-Delocalization versus π-Resonance in p-Aryl-Substituted Vinyl Cations. <i>Journal of the American Chemical Society</i> , 2005, 127, 10852-10860.	6.6	51
95	The X-ray Structure of a Vinyl Cation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1543-1546.	7.2	97
96	Electrochemistry and Computations of Stable Silylenes and Germylenes#. <i>Organometallics</i> , 2004, 23, 5689-5693.	1.1	34
97	The chemical shift tensor of silylenes. <i>Journal of Organometallic Chemistry</i> , 2003, 686, 251-256.	0.8	38
98	Norbornyl Cations of Group 14 Elements. <i>Journal of the American Chemical Society</i> , 2003, 125, 2158-2168.	6.6	60
99	Bis[bis(trimethylsilyl)amino]silylene, an Unstable Divalent Silicon Compound. <i>Journal of the American Chemical Society</i> , 2003, 125, 8114-8115.	6.6	66
100	A metal-free catalytic intramolecular hydrosilylation. <i>Canadian Journal of Chemistry</i> , 2003, 81, 1223-1227.	0.6	21
101	Chemistry of the Aromatic 9-Germafluorenyl Dianion and Some Related Silicon and Carbon Species. <i>Journal of the American Chemical Society</i> , 2002, 124, 12174-12181.	6.6	81
102	Persistent Bissilylated Arenium Ions. <i>Chemistry - A European Journal</i> , 2002, 8, 1163.	1.7	49
103	The Nature of Protonated Decamethylsilicocene, (Me ₅ C ₅) ₂ Si+H. <i>Organometallics</i> , 2001, 20, 5619-5628.	1.1	16
104	Theoretical prediction of vertical transition energies of diaminosilylenes and aminosubstituted disilenes. <i>Journal of Computational Chemistry</i> , 2001, 22, 1536-1541.	1.5	23
105	A Silyl Cation with a Three-Center Si-H-Si Bond. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3033-3036.	7.2	65
106	The Elusive 7-Silanorbornadien-7-ylum: Synthesis and Characterization of Nitrilium and Oxonium Ions Deriving from 2,3-Benzo-7-silanorbornadien-7-ylum. <i>Organometallics</i> , 2001, 20, 4584-4592.	1.1	38
107	Unusually Stable Vinyl Cations. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3074-3077.	7.2	79
108	Computational Evidence for a Free Silylium Ion. <i>Organometallics</i> , 1998, 17, 278-280.	1.1	63

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109	A Solid-State NMR and Theoretical Study of the Chemical Bonding in Disilenes. Journal of the American Chemical Society, 1997, 119, 4972-4976.	6.6	71
110	The 2-Silanorbornyl Cation: An Internally Stabilized Silyl Cation. Angewandte Chemie International Edition in English, 1997, 36, 626-628.	4.4	63
111	Das Dianion von Tetraphenylgermol ist aromatisch. Angewandte Chemie, 1996, 108, 1095-1097.	1.6	29
112	The Dianion of Tetraphenylgermole is Aromatic. Angewandte Chemie International Edition in English, 1996, 35, 1002-1004.	4.4	125
113	The Search for an Isolable Silyl Cation Must Continue. Angewandte Chemie International Edition in English, 1993, 32, 1471-1473.	4.4	97
114	A Model System for the Generation of Silyl Cationic Species of Different Reactivity and Stability. , 0, , 34-44.		10