David Scheschkewitz

List of Publications by Year
in descending order

127 papers	5,553 citations	57631 44 h-index	102304 66 g-index
167 all docs	167 docs citations	167 times ranked	1658 citing authors

#	Article	IF	Citations
1	Siliconoid Expansion by a Single Germanium Atom through Isolated Intermediates. Angewandte Chemie - International Edition, 2022, , .	7.2	9
2	Ein gemischtes, schwereres Si=Ge Analogon eines Vinylanions. Angewandte Chemie, 2021, 133, 246-250.	1.6	6
3	A Mixed Heavier Si=Ge Analogue of a Vinyl Anion. Angewandte Chemie - International Edition, 2021, 60, 242-246.	7.2	16
4	Reactivity of NHC/diphosphene-coordinated Au(<scp>i</scp>)-hydride. Chemical Communications, 2021, 57, 809-812.	2.2	8
5	Metathesis of Ge=Ge double bonds. Nature Chemistry, 2021, 13, 373-377.	6.6	21
6	Transition-Metal Complexes of Heavier Cyclopropenes: Non-Dewarâ€“Chattâ€“Duncanson Coordination and Facile Siâ•Ge Functionalization. Journal of the American Chemical Society, 2021, 143, 8981-8986.	6.6	14
7	Molecular Silicon Clusters. Chemical Reviews, 2021, 121, 9674-9718.	23.0	37
8	Synthesis and electrochemistry of remotely thioetherâ€functionalized disilenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1674-1678.	0.6	1
9	Reactivity of Phenylacetylene toward Unsymmetrical Disilenes: Regiodivergent [2+2] Cycloaddition vs. CH Addition. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1751-1758.	0.6	1
10	Transition Metal Complexes of Heavier Vinylidenes: Allylic Coordination vs Vinylideneâ€“Alkyne Rearrangement at Nickel. Journal of the American Chemical Society, 2021, 143, 13350-13357.	6.6	5
11	Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene. Dalton Transactions, 2020, 49, 993-997.	1.6	7
12	Luminescent Symmetrically and Unsymmetrically Substituted Diboranes(4). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 816-827.	0.6	0
13	Chalcogenâ€Expanded Unsaturated Silicon Clusters: Thiaâ€, Selenaâ€, and Tellurasiliconoids. Chemistry - A European Journal, 2020, 26, 16599-16602.	1.7	10
14	A convenient Pâ€“ source. Nature Chemistry, 2020, 12, 785-787.	6.6	2
15	Pentamethylcyclopentadienyl-substituted hypersilylsilylene: reversible and irreversible activation of Cî€€ double bonds and dihydrogen. Dalton Transactions, 2020, 49, 13218-13225.	1.6	16
16	Bildung Stabiler Allâ€Silicium Varianten von 1,3â€Cyclobutandiyl im Gleichgewicht. Angewandte Chemie, 2020, 132, 15199-15204.	1.6	6
17	Free Radical Chemistry of Phosphasilenes. Angewandte Chemie - International Edition, 2020, 59, 16007-16012.	7.2	12
18	Equilibrium Formation of Stable Allâ€Silicon Versions of 1,3â€Cyclobutanediyl. Angewandte Chemie - International Edition, 2020, 59, 15087-15092.	7.2	34

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19	Indirekte und direkte AnknÃ¼pfung von Ã œbergangsmetallen an Silicoide. Angewandte Chemie, 2020, 132, 8610-8614.	1.6	5
20	Exohedral functionalizationvs.core expansion of siliconoids with Group 9 metals: catalytic activity in alkene isomerization. Chemical Science, 2020, 11, 7782-7788.	3.7	25
21	Chemie freier Radikale von Phosphasilenen. Angewandte Chemie, 2020, 132, 16141-16146.	1.6	3
22	Indirect and Direct Grafting of Transition Metals to Siliconoids. Angewandte Chemie - International Edition, 2020, 59, 8532-8536.	7.2	18
23	Nickel-assisted complete cleavage of CO by a silylene/siliconoid hybrid under formation of an Siî€€ enol ether bridge. Chemical Communications, 2020, 56, 10898-10901.	2.2	10
24	NHCâ€€oordinated Diphospheneâ€€tabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO₂. Angewandte Chemie - International Edition, 2019, 58, 15367-15371.	7.2	10
25	NHCâ€€oordinated Diphospheneâ€€tabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO 2. Angewandte Chemie, 2019, 131, 15511-15515.	1.6	0
26	Persistent Digermenes with Acyl and Î±â€€hlorosilyl Functionalities. Chemistry - A European Journal, 2019, 25, 12187-12195.	1.7	15
27	An anionic heterosiliconoid with two germanium vertices. Chemical Communications, 2019, 55, 10100-10103.	2.2	22
28	Structural Diversity in Supramolecular Organization of Anionic Phosphate Monoesters: Role of Cations. ACS Omega, 2019, 4, 2118-2133.	1.6	6
29	Erweiterung ungesÃttigter Siliciumcluster mit atomarer Genauigkeit. Angewandte Chemie, 2019, 131, 5178-5182.	1.6	10
30	Modulation of the nuclearity of molecular Mg(<scp>ii</scp>)-phosphates: solid-state structural change involving coordinating solvents. Dalton Transactions, 2019, 48, 8853-8860.	1.6	3
31	The Addition of a Cyclopropyl Alkyne to an Asymmetrically-Substituted Disilene: A Mechanistic Study. Organometallics, 2019, 38, 1622-1626.	1.1	9
32	Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donorâ€“Acceptor Stabilized Si(II) and Ge(II) Compounds. Inorganic Chemistry, 2019, 58, 4071-4075.	1.9	12
33	Site-selective functionalization of Si6R6 siliconoids. Chemical Science, 2019, 10, 4523-4530.	3.7	34
34	Boron and Phosphorus Containing Heterosiliconoids: Stable p- and n-Doped Unsaturated Silicon Clusters. Journal of the American Chemical Society, 2019, 141, 19498-19504.	6.6	37
35	Atomically Precise Expansion of Unsaturated Silicon Clusters. Angewandte Chemie - International Edition, 2019, 58, 5124-5128.	7.2	30
36	Permethylated Disila[2]metallocenophanes of Group 14 and 15 Elements. Chemistry - A European Journal, 2019, 25, 173-176.	1.7	9

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37	Multiple Etherâ€Functionalized Phosphonium Ionic Liquids as Highly Fluid Electrolytes. ChemPhysChem, 2019, 20, 443-455.	1.0	22
38	A Threeâ€Membered Cyclic Phosphasilene. Angewandte Chemie - International Edition, 2019, 58, 1939-1944.	7.2	23
39	Stable unsaturated silicon clusters (siliconoids). Dalton Transactions, 2018, 47, 7104-7112.	1.6	58
40	Monoâ€and Dicoordinate Germanium(0) as a Fourâ€Electron Donor. Chemistry - A European Journal, 2018, 24, 2873-2878.	1.7	12
41	Functional Disilenes in Synthesis. Chemistry - A European Journal, 2018, 24, 6866-6885.	1.7	53
42	Disilenyl Silylene Reactivity of a Cyclotrisilene. Angewandte Chemie - International Edition, 2018, 57, 2445-2449.	7.2	24
43	Disilenylsilylenâ€ReaktivitÃt eines Cyclotrisilens. Angewandte Chemie, 2018, 130, 2470-2474.	1.6	6
44	Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. Chemical Science, 2018, 9, 4235-4243.	3.7	26
45	Isolation and Reactivity of a Digerma Analogue of Vinyllithiums: a Lithium Digermenide. Organometallics, 2018, 37, 632-635.	1.1	28
46	A Threeâ€Membered Cyclic Phosphasilene. Angewandte Chemie, 2018, 131, 1958.	1.6	12
47	Structure and stability of propellane-like E 2 E 2 â€². Journal of Molecular Modeling, 2018, 24, 190.	0.8	1
48	Phenylene-bridged cross-conjugated 1,2,3-trisilacyclopentadienes. Chemical Communications, 2018, 54, 8399-8402.	2.2	10
49	Frontispiece: Functional Disilenes in Synthesis. Chemistry - A European Journal, 2018, 24, .	1.7	0
50	Synthesis of a Î±-Chlorosilyl Functionalized Donor-Stabilized Chlorogermylene. Inorganics, 2018, 6, 6.	1.2	3
51	Reactivity of a Peraryl Cyclotrisilene (câ€Si₃R₄) Toward Chalcogens. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 999-1005.	0.6	6
52	Spherical aromaticity in C-, Si-, and Ge-containing compounds. Computational and Theoretical Chemistry, 2017, 1102, 5-14.	1.1	2
53	(Oligo)aromatic species with one or two conjugated Siî€Si bonds: near-IR emission of anthracenyl-bridged tetrasiladiene. Dalton Transactions, 2017, 46, 8839-8848.	1.6	23
54	Reactivity of Heavier Vinyl Anions [(CH₃)₂Eâ€Eâ€²(CH₃)]^{â^’} (E, Eâ€² = C, Si, Ge) toward Carbon Monoxide: A Computational Study. Organometallics, 2017, 36, 3035-3042.	1.1	9

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55	Isolierung und vielseitige Derivatisierung eines ungesÃttigten anionischen Siliciumclusters (Silicoid). Angewandte Chemie, 2016, 128, 2959-2963.	1.6	33
56	Isolation and Versatile Derivatization of an Unsaturated Anionic Silicon Cluster (Siliconoid). Angewandte Chemie - International Edition, 2016, 55, 2907-2910.	7.2	56
57	Regiodiscriminating Reactivity of Isolable NHC-Coordinated Disilenyl Germylene and Its Cyclic Isomer. Journal of the American Chemical Society, 2016, 138, 13996-14005.	6.6	17
58	Diverse Reactivity of an Electrophilic Phosphasilene towards Anionic Nucleophiles: Substitution or Metalâ€“Amino Exchange. Angewandte Chemie - International Edition, 2016, 55, 10913-10917.	7.2	26
59	Heavyweight isomer brings stability. Nature Chemistry, 2016, 8, 993-995.	6.6	2
60	Vielseitige ReaktivitÃt eines elektrophilen Phosphasilens gegenÃ¼ber anionischen Nukleophilen: Substitution oder Metallâ€Aminoâ€Austausch. Angewandte Chemie, 2016, 128, 11074-11078.	1.6	13
61	Dimerization of a marginally stable disilenyl germylene to tricyclic systems: evidence for reversible NHC-coordination. Chemical Communications, 2016, 52, 2799-2802.	2.2	27
62	Reactivity in the periphery of functionalised multiple bonds of heavier group 14 elements. Chemical Society Reviews, 2016, 45, 900-921.	18.7	141
63	Reductive Cleavage of Carbon Monoxide by a Disilenide. Angewandte Chemie - International Edition, 2015, 54, 8746-8750.	7.2	68
64	Synthesis of the First Homoleptic Trisilaallyl Chloride: Â3â€Chloroâ€1, 1,2, 3,3â€pentakis(2â€²,4â€²,6â€²â€triisopropylphenyl)trisilâ€1â€ene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2051-2055.	1.2	7
65	A Multiply Functionalized Baseâ€Coordinated Ge^{II} Compound and Its Reversible Dimerization to the Digermene. Angewandte Chemie - International Edition, 2015, 54, 289-292.	7.2	42
66	A Molecular Complex with a Formally Neutral Iron Germanide Motif (Fe₂Ge₂). Organometallics, 2015, 34, 2130-2133.	1.1	28
67	Phosphide Delivery to a Cyclotrisilene. Angewandte Chemie - International Edition, 2015, 54, 683-686.	7.2	62
68	From Disilene (Sïï£¾Si) to Phosphasilene (Sïï£¾P) and Phosphacumulene (Pï£¾Cï£¾N). Angewandte Chemie - International Edition, 2014, 53, 2216-2220.	7.2	59
69	Dismutational and Globalâ€Minimum Isomers of Heavier 1,4â€Dimetallatetrasilabenzenes of Groupâ€…14. Angewandte Chemie - International Edition, 2014, 53, 3514-3518.	7.2	49
70	Donorâ€“Acceptor Adducts of a 1,3â€Disilaâ€2â€oxyallyl Zwitterion. Chemistry - A European Journal, 2014, 20, 9221-9224.	1.7	32
71	Ïƒâ€“Ï€ Conjugated Organosilicon Hybrid Polymers from Copolymerization of a Tetrasiladiene and 1,4â€Diethynylbenzene. Chemistry - A European Journal, 2014, 20, 9225-9229.	1.7	24
72	Nâ€Heterocyclic Carbene Coordinated Neutral and Cationic Heavier Cyclopropylidenes. Angewandte Chemie - International Edition, 2014, 53, 9953-9956.	7.2	76

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73	NHC-coordinated silagermenylidene functionalized in allylic position and its behaviour as a ligand. Dalton Transactions, 2014, 43, 5175-5181.	1.6	72
74	1,2-Disilabicyclo[1.1.1]pentan-4-ones from a Disilenide and Acryloyl Chlorides. Australian Journal of Chemistry, 2013, 66, 1311.	0.5	7
75	Equilibrium between a cyclotrisilene and an isolable base adduct of a disilenyl silylene. Nature Chemistry, 2013, 5, 876-879.	6.6	111
76	Reversible, Complete Cleavage of Sïï£¾Si Double Bonds by Isocyanide Insertion. Angewandte Chemie - International Edition, 2013, 52, 3516-3520.	7.2	54
77	An Experimental Charge Density Study of Two Isomers of Hexasilabenzene. Angewandte Chemie - International Edition, 2013, 52, 4478-4482.	7.2	49
78	Silyl Anions. Structure and Bonding, 2013, , 1-47.	1.0	14
79	Potential Protecting Group Strategy for Disila Analogues of Vinyllithiums: Synthesis and Reactivity of a 2,4,6-Trimethoxyphenyl-Substituted Disilene. Organometallics, 2013, 32, 6844-6850.	1.1	38
80	Functionalized Cyclic Disilenes via Ring Expansion of Cyclotrisilenes with Isocyanides. Organometallics, 2013, 32, 1591-1594.	1.1	41
81	NHCâ€Stabilisiertes Silagermenyliden: ein schweres Analogon von Vinyliden. Angewandte Chemie, 2013, 125, 12401-12404.	1.6	33
82	Carbonylation of Cyclotrisilenes. Angewandte Chemie - International Edition, 2013, 52, 13247-13250.	7.2	46
83	NHCâ€Stabilized Silagermenylidene: A Heavier Analogue of Vinylidene. Angewandte Chemie - International Edition, 2013, 52, 12179-12182.	7.2	97
84	The Disilyne Chameleon - Blue, Yellow and/or Green?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2381-2383.	0.6	2
85	Transmetallation reactions of a lithium disilenide. Chemical Communications, 2012, 48, 6595.	2.2	41
86	The Cp*Si+ cation as a stoichiometric source of silicon. Chemical Communications, 2012, 48, 7820.	2.2	25
87	Contraction and Expansion of the Silicon Scaffold of Stable Si₆R₆ Isomers. Journal of the American Chemical Society, 2012, 134, 16008-16016.	6.6	78
88	Reversible Base Coordination to a Disilene. Angewandte Chemie - International Edition, 2012, 51, 6785-6788.	7.2	103
89	The Versatile Chemistry of Disilenides: Disila Analogues of Vinyl Anions as Synthons in Low-valent Silicon Chemistry. Chemistry Letters, 2011, 40, 2-11.	0.7	83
90	Reversible Formation of a Blue Arsasilene and Isolation of Airâ€Stable Emissive Disilenes. Angewandte Chemie - International Edition, 2011, 50, 3118-3119.	7.2	12

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91	A Stable Derivative of the Global Minimum on the Si₆H₆ Potential Energy Surface. Angewandte Chemie - International Edition, 2011, 50, 7936-7939.	7.2	136
92	Ring Currents in the Dismutational Aromatic Si₆R₆. Angewandte Chemie - International Edition, 2010, 49, 10006-10009.	7.2	46
93	Comment on â€œSingle-Crystal X-ray Structure of 1,3-Dimethylcyclobutadiene by Confinement in a Crystalline Matrixâ€. Science, 2010, 330, 1047-1047.	6.0	26
94	Synthesis of homo- and heterocyclic silanes via intermediates with Si=Si bonds. Pure and Applied Chemistry, 2010, 82, 595-602.	0.9	19
95	Transfer of a Disilenyl Moiety to Aromatic Substrates and Lateral Functional Group Transformation in Aryl Disilenes. Journal of the American Chemical Society, 2010, 132, 17306-17315.	6.6	56
96	A Tricyclic Aromatic Isomer of Hexasilabenzene. Science, 2010, 327, 564-566.	6.0	242
97	Synthesis, characterisation and complexation of phosphino disilenes. Dalton Transactions, 2010, 39, 9288.	1.6	46
98	Anionic Reagents with Siliconâ€Containing Double Bonds. Chemistry - A European Journal, 2009, 15, 2476-2485.	1.7	113
99	Chiral [Bis(olefin)amine]rhodium(I) Complexes â€“ Transfer Hydrogenation in Ethanol. European Journal of Inorganic Chemistry, 2009, 2009, 5561-5576.	1.0	29
100	Stannylâ€substituted Disilenes and a DisilastanniraneÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 2093-2098.	0.6	23
101	1,2â€Disilacyclobutâ€2â€enes: Donorâ€Free Fourâ€Membered Cyclic Silenes from Reaction of Disilenides with Vinylbromides. Chemistry - A European Journal, 2008, 14, 7119-7122.	1.7	44
102	A Baseâ€Stabilized Neutral Bï£¾B Bond: Closing a Gap by Filling the Void. Angewandte Chemie - International Edition, 2008, 47, 1995-1997.	7.2	34
103	Syntheses of Trisila Analogues of Allyl Chlorides and Their Transformations to Chlorocyclotrisilanes, Cyclotrisilanides, and a Trisilaindane. Journal of the American Chemical Society, 2008, 130, 4114-4121.	6.6	78
104	Anorganische Chemie 2007. Nachrichten Aus Der Chemie, 2008, 56, 238-248.	0.0	0
105	Anorganische Chemie 2006. Nachrichten Aus Der Chemie, 2007, 55, 223-232.	0.0	0
106	Stable Cyclic Silenes from Reaction of Disilenides with Carboxylic Acid Chlorides. Angewandte Chemie - International Edition, 2007, 46, 3349-3352.	7.2	59
107	Thermal Valence Isomerization of 2,3-Diborata-1,4-diphosphoniabuta-1,3-dienes to Bicyclo[1.1.0]butanes and Cyclobutane-1,3-diyls. Angewandte Chemie - International Edition, 2007, 46, 5741-5745.	7.2	31
108	Two Sïï£¿Si Double Bonds Connected by a Phenylene Bridge. Angewandte Chemie - International Edition, 2007, 46, 5783-5786.	7.2	113

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109	An Unsaturated Î±,Ï‰-Dianionic Oligosilane. Angewandte Chemie - International Edition, 2006, 45, 1643-1645.	7.2	49
110	Strong Neutral Homoaromatics. Angewandte Chemie - International Edition, 2006, 45, 6745-6747.	7.2	8
111	Classical 1,2,4-Triboracyclopentanes and Their Rearrangement into Nonclassical 2-Boryl-1,3-diboracyclobutanes: Intramolecular C-H Bond Activation by a B-B Moiety. European Journal of Inorganic Chemistry, 2005, 2005, 4078-4085.	1.0	11
112	A Molecular Silicon Cluster with a â€œNakedâ€•Vertex Atom. Angewandte Chemie - International Edition, 2005, 44, 2954-2956.	7.2	117
113	Boron as a Bridging Ligand. Angewandte Chemie - International Edition, 2005, 44, 1658-1661.	7.2	68
114	A T-Shaped Platinum(II) Boryl Complex as the Precursor to a Platinum Compound with a Base-Stabilized Borylene Ligand. Angewandte Chemie - International Edition, 2005, 44, 5651-5654.	7.2	123
115	Activation of a SiSi Bond by Î·1-Coordination to a Transition Metal. Journal of the American Chemical Society, 2005, 127, 10174-10175.	6.6	65
116	Ïƒ-Bond Stretching: A Static Approach for a Dynamic Process. Angewandte Chemie - International Edition, 2004, 43, 585-587.	7.2	86
117	A Silicon Analogue of Vinyllithium: Structural Characterization of a Disilenide. Angewandte Chemie - International Edition, 2004, 43, 2965-2967.	7.2	139
118	Evidence for the Coexistence of Two Bond-Stretch Isomers in Solution. Angewandte Chemie - International Edition, 2004, 43, 4880-4883.	7.2	67
119	Cover Picture:Ïƒ-Bond Stretching: A Static Approach for a Dynamic Process (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Overlock	7.2	0
120	Singlet Diradicals: from Transition States to Crystalline Compounds. Science, 2002, 295, 1880-1881.	6.0	316
121	The Stable Pentamethylcyclopentadienyl Cation Remains Unknown Financial support of this work by the CNRS, UCR, RHODIA, and NSF (CHE9983610) is gratefully acknowledged.. Angewandte Chemie - International Edition, 2002, 41, 2275.	7.2	47
122	Very strong anionic homoaromaticity in (deloc-1,3,4)-1-sila-3,4-diboracyclopentane-1-ides, the importance of the energy of the reference system for homoaromatic stabilization energies. Journal of Organometallic Chemistry, 2002, 646, 262-270.	0.8	18
123	Bishomoaromatic 1,2,4-Triboracyclopentane Dianions: Strong Three-Center, Two-Electron Bonds between Three Boron Atoms. Angewandte Chemie - International Edition, 2000, 39, 1272-1275.	7.2	23
124	Two-Electron Aromatics with Classical and Non-Classical Homobridges. Journal of Molecular Modeling, 2000, 6, 257-271.	0.8	17
125	A Five-Membered Ring with Three Negative Charges and Solvent-Free Lithium Counterions. Angewandte Chemie - International Edition, 1999, 38, 2936-2939.	7.2	26
126	Siliconâ€carbon hybrid [2]â€‹adderanes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	0.6	0

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127	Siliconoid Expansion by a Single Germanium Atom through Isolated Intermediates. Angewandte Chemie, 0, , .	1.6	0