Gernot Frenking

List of Publications by Year
in descending order

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294 papers	26,235 citations	3721 89 h-index	8370 147 g-index
319 all docs	319 docs citations	319 times ranked	8462 citing authors

#	Article	IF	Citations
1	The strength of a chemical bond. International Journal of Quantum Chemistry, 2022, 122, e26773.	1.0	29
2	Neutral and charged group 13â€“16 homologs of carbones EL2 (E = Bâ^'â€“Inâ^'; Siâ€“Pb; N+â€“Bi+, O2+â€“Te2+). Advances in Inorganic Chemistry, 2022, , 247-299.	0.4	3
3	Bonding analysis of the C₂ precursor Me₃Eâ€“C₂â€“I(Ph)FBF₃ (EÂ=ÂC, Si, Ge). Pure and Applied Chemistry, 2022, .	1.9	1
4	Isolation of Stable Borepin Radicals and Anions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
5	Isolation of Stable Borepin Radicals and Anions. Angewandte Chemie, 2022, 134, .	1.6	5
6	Ï€ Back-Donation from a Beryllium Dibromide Fragment at the Expense of Its Ïƒ Strength. Inorganic Chemistry, 2022, 61, 700-705.	1.9	14
7	Carbodiphosphorane-Stabilized Parent Dioxophosphorane: A Valuable Synthetic HO₂P Source. Journal of the American Chemical Society, 2022, 144, 7357-7365.	6.6	7
8	Generation and Characterization of the Charge-Transferred Diradical Complex CaCO₂ with an Open-Shell Singlet Ground State. Journal of the American Chemical Society, 2022, 144, 8355-8361.	6.6	8
9	Clarifying notes on the bonding analysis adopted by the energy decomposition analysis. Physical Chemistry Chemical Physics, 2022, 24, 15726-15735.	1.3	25
10	The nature of the polar covalent bond. Journal of Chemical Physics, 2022, 157, .	1.2	15
11	Triple bonding between beryllium and nitrogen in HNBeCO. Chemical Communications, 2022, 58, 8532-8535.	2.2	5
12	COâ€Induced Dinitrogen Fixation and Cleavage Mediated by Boron. Chemistry - A European Journal, 2021, 27, 2131-2137.	1.7	20
13	Isolable dicarbon stabilized by a single phosphine ligand. Nature Chemistry, 2021, 13, 89-93.	6.6	15
14	Generation and Characterization of the C 3 O 2 â^' Anion with an Unexpected Unsymmetrical Structure. Angewandte Chemie, 2021, 133, 4568-4573.	1.6	0
15	Generation and Characterization of the C₃O₂^{â^'}Anion with an Unexpected Unsymmetrical Structure. Angewandte Chemie - International Edition, 2021, 60, 4518-4523.	7.2	7
16	Carbodicarbene Bismaalkene Cations: Unravelling the Complexities of Carbene versus Carbone in Heavy Pnictogen Chemistry. Angewandte Chemie - International Edition, 2021, 60, 6682-6690.	7.2	40
17	Carbodicarbene Bismaalkene Cations: Unravelling the Complexities of Carbene versus Carbone in Heavy Pnictogen Chemistry. Angewandte Chemie, 2021, 133, 6756-6764.	1.6	15
18	Generation and Identification of the Linear OCBNO and OBNCO Molecules with 24 Valence Electrons. Chemistry - A European Journal, 2021, 27, 412-418.	1.7	8

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19	Donor-Stabilized Antimony(I) and Bismuth(I) Ions: Heavier Valence Isoelectronic Analogues of Carbones. Journal of the American Chemical Society, 2021, 143, 1301-1306.	6.6	40
20	Dinitrogen complexation and reduction at low-valent calcium. Science, 2021, 371, 1125-1128.	6.0	131
21	Chemical Bonding in Homoleptic Carbonyl Cations [M{Fe(CO)₅}₂]⁺(M=Cu, Ag, Au). Chemistry - A European Journal, 2021, 27, 6936-6944.	1.7	13
22	Metalâ€“CO Bonding in Mononuclear Transition Metal Carbonyl Complexes. Jacs Au, 2021, 1, 623-645.	3.6	57
23	Highly Coordinated Heteronuclear Calciumâ€“Iron Carbonyl Cation Complexes [CaFe(CO) n] + (n =5â€“12) with dâˆ'd Bonding. Angewandte Chemie, 2021, 133, 13984-13989.	1.6	0
24	Bonding in M(NHBMe)2 and M[Mn(CO)5]2 complexes (M=Zn, Cd, Hg; NHBMe=(HCNMe)2B): divalent group 12 metals with zero oxidation state. Theoretical Chemistry Accounts, 2021, 140, 1.	0.5	4
25	Highly Coordinated Heteronuclear Calciumâ€“Iron Carbonyl Cation Complexes [CaFe(CO)_n]⁺(n=5â€“12) with dâˆ'd Bonding. Angewandte Chemie - International Edition, 2021, 60, 13865-13870.	7.2	18
26	Isolation of a Uranium(III)â€Carbon Multiple Bond Complex. Chemistry - A European Journal, 2021, 27, 10006-10011.	1.7	12
27	Transition-Metal Chemistry of the Heavier Alkaline Earth Atoms Ca, Sr, and Ba. Accounts of Chemical Research, 2021, 54, 3071-3082.	7.6	39
28	A Critical Look at Linus Paulingâ€™s Influence on the Understanding of Chemical Bonding. Molecules, 2021, 26, 4695.	1.7	7
29	Covalent Bonding Between Be⁺and CO₂in BeOCO⁺with a Surprisingly High Antisymmetric OCO Stretching Vibration. Journal of the American Chemical Society, 2021, 143, 14300-14305.	6.6	10
30	Revisiting the Bonding Scenario of Two Donor Ligand Stabilized C₂ Species. Journal of Physical Chemistry A, 2021, 125, 291-301.	1.1	16
31	Persistent Borafluorene Radicals. Angewandte Chemie - International Edition, 2020, 59, 3850-3854.	7.2	70
32	Persistent Borafluorene Radicals. Angewandte Chemie, 2020, 132, 3878-3882.	1.6	19
33	Quadruple bonding of bare group-13 atoms in transition metal complexes. Dalton Transactions, 2020, 49, 14815-14825.	1.6	7
34	The bonding situation in heteromultimetallic carbonyl complexes. Dalton Transactions, 2020, 49, 16762-16771.	1.6	3
35	The Valence Orbitals of the Alkalineâ€Earth Atoms. Chemistry - A European Journal, 2020, 26, 14194-14210.	1.7	39
36	A diradical based on odd-electron Ï*f*-bonds. Nature Communications, 2020, 11, 3441.	5.8	22

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37	dâ€“d Dative Bonding Between Iron and the Alkalineâ€Earth Metals Calcium, Strontium, and Barium. Angewandte Chemie, 2020, 132, 14723-14728.	1.6	7
38	Stabilization of Linear C 3 by Two Donor Ligands: A Theoretical Study of Lâ€C 3 â€L (L=PPh 3 , NHC Me , cAAC) Tj ETQq0 0 0 rgBT /Overl	1.7	21
39	Carbones and Carbon Atom as Ligands in Transition Metal Complexes. Molecules, 2020, 25, 4943.	1.7	43
40	Groupâ€…6 Hexacarbonyls as Ligands for the Silver Cation: Syntheses, Characterization, and Analysis of the Bonding Compared with the Isoelectronic Groupâ€…5 Hexacarbonylates. Chemistry - A European Journal, 2020, 26, 17203-17211.	1.7	16
41	Beryllium Atom Mediated Dinitrogen Activation via Coupling with Carbon Monoxide. Angewandte Chemie, 2020, 132, 18358-18364.	1.6	3
42	Comment on â€œTopological Analysis of the Electron Density in the Carbonyl Complexes M(CO)₈ (M = Ca, Sr, Ba)â€• Organometallics, 2020, 39, 2956-2958.	1.1	6
43	Di-ortho-beryllated Carbodiphosphorane: A Compound with a Metalâ€“Carbon Double Bond to an Element of the s-Block. Organometallics, 2020, 39, 3224-3231.	1.1	44
44	dâ€“d Dative Bonding Between Iron and the Alkalineâ€Earth Metals Calcium, Strontium, and Barium. Angewandte Chemie - International Edition, 2020, 59, 14615-14620.	7.2	30
45	Synthesis and characterization of heterometallic complexes involving coinage metals and isoelectronic Fe(CO)₅, [Mn(CO)₅]^{â^’}and [Fe(CO)₄CN]^{â^’}ligands. Dalton Transactions, 2020, 49, 8566-8581.	1.6	13
46	Alkaline Earth Metals Activate N₂ and CO in Cubic Complexes Just Like Transition Metals: A Conceptual Density Functional Theory and Energy Decomposition Analysis Study. Chemistry - A European Journal, 2020, 26, 12785-12793.	1.7	20
47	Filling a Gap: The Coordinatively Saturated Groupâ€…4 Carbonyl Complexes TM(CO)₈ (TM=Zr,) Tj ETQq1 1 0.784314 rgBT	1.7	21
48	Sideâ€On Bonded Beryllium Dinitrogen Complexes. Angewandte Chemie - International Edition, 2020, 59, 10603-10609.	7.2	51
49	Beryllium Atom Mediated Dinitrogen Activation via Coupling with Carbon Monoxide. Angewandte Chemie - International Edition, 2020, 59, 18201-18207.	7.2	29
50	Sideâ€On Bonded Beryllium Dinitrogen Complexes. Angewandte Chemie, 2020, 132, 10690-10696.	1.6	13
51	Double donation in trigonal planar ironâ€“carbodiphosphorane complexes â€“ a concise study on their spectroscopic and electronic properties. Dalton Transactions, 2020, 49, 2537-2546.	1.6	20
52	Comment on â€œRevisiting Ï€ backbonding: the influence of d orbitals on metalâ€“CO bonds and ligand red shiftsâ€• by D. Koch, Y. Chen, P. Golub and S. Manzhos, Phys. Chem. Chem. Phys., 2019, 21, 20814. Physical Chemistry Chemical Physics, 2020, 22, 5377-5379.	1.3	7
53	A Stable, Crystalline Beryllium Radical Cation. Journal of the American Chemical Society, 2020, 142, 4560-4564.	6.6	80
54	Isolable cyclic radical cations of heavy main-group elements. Chemical Communications, 2020, 56, 2167-2170.	2.2	21

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55	Bonding Analysis of the Shortest Bond between Two Atoms Heavier than Hydrogen and Helium: O22+. Journal of Physical Chemistry A, 2020, 124, 1087-1092.	1.1	12
56	Comment on â€œRealization of Lewis Basic Sodium Anion in the NaBH₃^{â^'}Clusterâ€• Angewandte Chemie, 2020, 132, 8836-8839.	1.6	16
57	Comment on â€œRealization of Lewis Basic Sodium Anion in the NaBH₃^{â^'}Clusterâ€• Angewandte Chemie - International Edition, 2020, 59, 8756-8759.	7.2	43
58	Response to Comment on â€œObservation of alkaline earth complexes M(CO) ₈ (M = Ca, Sr,) Tj ETQq0 0 0 rgBT /Overlock	6.0	54
59	Octa-coordinated alkaline earth metalâ€“dinitrogen complexes M(N2)8 (M=Ca, Sr, Ba). Nature Communications, 2019, 10, 3375.	5.8	79
60	Nine questions on energy decomposition analysis. Journal of Computational Chemistry, 2019, 40, 2248-2283.	1.5	113
61	Chemical Bonding and Bonding Models of Main-Group Compounds. Chemical Reviews, 2019, 119, 8781-8845.	23.0	232
62	Octacarbonyl Ion Complexes of Actinides [An(CO)₈]^{+/â^'} (An=Th, U) and the Role of f Orbitals in Metalâ€“Ligand Bonding. Chemistry - A European Journal, 2019, 25, 11772-11784.	1.7	38
63	Transitionâ€Metal Chemistry of Alkalineâ€Earth Elements: The Trisbenzene Complexes M(Bz)₃(M=Sr, Ba). Angewandte Chemie - International Edition, 2019, 58, 17365-17374.	7.2	82
64	Transitionâ€Metal Chemistry of Alkalineâ€Earth Elements: The Trisbenzene Complexes M(Bz)₃(M=Sr, Ba). Angewandte Chemie, 2019, 131, 17526-17535.	1.6	28
65	Alkali Metal Covalent Bonding in Nickel Carbonyl Complexes ENi(CO)₃^{â^'}. Angewandte Chemie, 2019, 131, 1746-1752.	1.6	53
66	Synthesis of cAAC stabilized biradical of â€œMe₂Siâ€•and â€œMe₂SiClâ€•monoradical from Me₂SiCl₂ â€“ an important feedstock material. Chemical Communications, 2019, 55, 4534-4537.	2.2	9
67	Chemical bonding in the hexamethylbenzeneâ€“SO2+ dication. Theoretical Chemistry Accounts, 2019, 138, 1.	0.5	20
68	Bent Phosphaallenes With â€œHiddenâ€•Lone Pairs as Ligands. Chemistry - A European Journal, 2019, 25, 7912-7920.	1.7	2
69	An Experimental and Theoretical Study of the Structures and Properties of [CDP^{Me}â€Ni(CO)₃] and [Ni₂(CO)₄(Âµ²â€CO)(Âµ²â€CDP^{Me})]. European Journal of Inorganic Chemistry, 2019, 2019, 4546-4554.	1.0	13
70	Ceriumâ€“carbon dative interactions supported by carbodiphosphorane. Dalton Transactions, 2019, 48, 16108-16114.	1.6	20
71	The Dielsâ€“Alder Reaction from the EDAâ€NOCV Perspective: A Reâ€Examination of the Frontier Molecular Orbital Model. European Journal of Organic Chemistry, 2019, 2019, 478-485.	1.2	10
72	Octacarbonyl Anion Complexes of the Late Lanthanides Ln(CO)₈^{â^'} (Ln=Tm, Yb,) Tj ETQq0 0 0 rgBT /Overlock	1.7	38

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73	The Lewis electron-pair bonding model: the physical background, one century later. Nature Reviews Chemistry, 2019, 3, 35-47.	13.8	52
74	The Lewis electron-pair bonding model: modern energy decomposition analysis. Nature Reviews Chemistry, 2019, 3, 48-63.	13.8	197
75	Dative versus electron-sharing bonding in N-imides and phosphane imides R₃ENX and relative energies of the R₂EN(X)R isomers (E = N, P; R = H, Cl, Me, Ph; X = H, F, Cl). Molecular Physics, 2019, 117, 1306-1314.	0.8	14
76	Isolation of Transient Acyclic Germanium(I) Radicals Stabilized by Cyclic Alkyl(amino) Carbenes. Journal of the American Chemical Society, 2019, 141, 1908-1912.	6.6	27
77	Dative and electronâ€sharing bonding in transition metal compounds. Journal of Computational Chemistry, 2019, 40, 247-264.	1.5	74
78	Synthesis and Reactivity Studies of Amidoâ€Substituted Germanium(I)/Tin(I) Dimers and Clusters. Chemistry - A European Journal, 2019, 25, 2773-2785.	1.7	46
79	Alkali Metal Covalent Bonding in Nickel Carbonyl Complexes ENi(CO)₃^{â^'}. Angewandte Chemie - International Edition, 2019, 58, 1732-1738.	7.2	62
80	Barium as Honorary Transition Metal in Action: Experimental and Theoretical Study of Ba(CO)⁺ and Ba(CO)^{â^'}. Angewandte Chemie, 2018, 130, 4038-4044.	1.6	16
81	Electronic Structure and Bonding Situation in M₂O₂ (M = Be, Mg, Ca) Rhombic Clusters. Journal of Physical Chemistry A, 2018, 122, 2816-2822.	1.1	34
82	Octacarbonyl Anion Complexes of Group Three Transition Metals [TM(CO) 8] â^' (TM=Sc, Y, La) and the 18â€Electron Rule. Angewandte Chemie, 2018, 130, 6344-6349.	1.6	10
83	Dative and Electronâ€Sharing Bonding in C₂F₄. Chemistry - A European Journal, 2018, 24, 9083-9089.	1.7	73
84	Octacarbonyl Anion Complexes of Group Three Transition Metals [TM(CO)₈]^{â^'} (TM=Sc, Y, La) and the 18â€Electron Rule. Angewandte Chemie - International Edition, 2018, 57, 6236-6241.	7.2	49
85	Dativeversuselectron-sharing bonding in N-oxides and phosphane oxides R₃EO and relative energies of the R₂EOR isomers (E = N, P; R = H, F, Cl, Me, Ph). A theoretical study. Physical Chemistry Chemical Physics, 2018, 20, 11856-11866.	1.3	32
86	Barium as Honorary Transition Metal in Action: Experimental and Theoretical Study of Ba(CO)⁺ and Ba(CO)^{â^'}. Angewandte Chemie - International Edition, 2018, 57, 3974-3980.	7.2	60
87	Photoinduced Sulfurâ€“Nitrogen Bond Rotation and Thermal Nitrogen Inversion in Heterocumulene OSNSO. Journal of the American Chemical Society, 2018, 140, 1231-1234.	6.6	9
88	Relativistic Effects on Donorâ€“Acceptor Interactions in Coinage Metal Carbonyl Complexes [TM(CO)_n]⁺ (TM=Cu, Ag, Au; n=1, 2). Chemistry - A European Journal, 2018, 24, 11675-11682.	1.7	16
89	A Route to Base Coordinate Silicon Difluoride and the Silicon Trifluoride Radical. Chemistry - A European Journal, 2018, 24, 1264-1268.	1.7	24
90	Energy decomposition analysis. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2018, 8, e1345.	6.2	369

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91	Berichtigung: Barium as Honorary Transition Metal in Action: Experimental and Theoretical Study of Ba(CO)⁺ and Ba(CO)^{â^'}. Angewandte Chemie, 2018, 130, 15856-15857.	1.6	0
92	Double dative bond between divalent carbon(0) and uranium. Nature Communications, 2018, 9, 4997.	5.8	63
93	Vinyltrifluoroborate Complexes of Silver Supported by N -Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2018, 2018, 4142-4152.	1.0	11
94	Suppressed Phosphine Dissociation by Polarization Effects on the Donorâ€“Acceptor Bonds in [Ni(PEt₃)_{4â€“n}(ECp*)_n] (E = Al, Ga). Inorganic Chemistry, 2018, 57, 12657-12664.	1.9	15
95	Buckyball Difluoride F₂^{â^'}@C₆₀⁺â€"A Singleâ€Molecule Crystal. Angewandte Chemie - International Edition, 2018, 57, 13931-13934.	7.2	28
96	Buckyball Difluoride F2â^'@C60+â€"A Singleâ€Molecule Crystal. Angewandte Chemie, 2018, 130, 14127-14130.	1.6	3
97	Observation of alkaline earth complexes M(CO) ₈ (M = Ca, Sr, or Ba) that mimic transition metals. Science, 2018, 361, 912-916.	6.0	207
98	Comparison of Two Phosphinidenes Binding to Silicon(IV)dichloride as well as to Silylene. Journal of the American Chemical Society, 2018, 140, 9409-9412.	6.6	42
99	Anion stabilised hypercloso-hexaalane Al6H6. Nature Communications, 2018, 9, 3079.	5.8	39
100	Bonding in Binuclear Carbonyl Complexes M₂(CO)₉ (M = Fe, Ru, Os). Inorganic Chemistry, 2018, 57, 7780-7791.	1.9	50
101	Heterocumulene Sulfinyl Radical OCNSO. Angewandte Chemie - International Edition, 2017, 56, 2140-2144.	7.2	17
102	Heterocumulene Sulfinyl Radical OCNSO. Angewandte Chemie, 2017, 129, 2172-2176.	1.6	5
103	Aromaticity, the HÃ¼ckel 4â€‰n+2 Rule and Magnetic Current. ChemistrySelect, 2017, 2, 863-870.	0.7	66
104	The Bonding Situation in Metalated Ylides. Chemistry - A European Journal, 2017, 23, 4422-4434.	1.7	92
105	Ein stabiles neutrales Radikal in der KoordinationssphÃre des Aluminiums. Angewandte Chemie, 2017, 129, 407-411.	1.6	23
106	Ligandâ€Supported E₃ Clusters (E=Siâ€“Sn). Chemistry - A European Journal, 2017, 23, 7463-7473.	1.7	11
107	(L)₂C₂P₂: Dicarbondiphosphide Stabilized by Nâ€Heterocyclic Carbenes or Cyclic Diamido Carbenes. Angewandte Chemie - International Edition, 2017, 56, 5744-5749.	7.2	102
108	(L)₂C₂P₂: Dicarbondiphosphide Stabilized by Nâ€Heterocyclic Carbenes or Cyclic Diamido Carbenes. Angewandte Chemie, 2017, 129, 5838-5843.	1.6	55

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109	Helium Accepts Back-Donation In Highly Polar Complexes: New Insights into the Weak Chemical Bond. Journal of Physical Chemistry Letters, 2017, 8, 3334-3340.	2.1	24
110	Normal-to-abnormal rearrangement of an N-heterocyclic carbene with a silylene transition metal complex. Dalton Transactions, 2017, 46, 7791-7799.	1.6	32
111	Carbene stabilized interconnected bis-germylene and its silicon analogue with small methyl substituents. Dalton Transactions, 2017, 46, 7947-7952.	1.6	23
112	Frontispiece: Ligandâ€Supported E₃ Clusters (E=Siâ€“Sn). Chemistry - A European Journal, 2017, 23, .	1.7	0
113	Dative bonding in main group compounds. Coordination Chemistry Reviews, 2017, 344, 163-204.	9.5	174
114	Dicarbonyls of Carbon and Methylidyne Cations. Journal of Physical Chemistry A, 2017, 121, 2903-2910.	1.1	5
115	An Electrophilic Carbeneâ€Anchored Silyleneâ€“Phosphinidene. Angewandte Chemie - International Edition, 2017, 56, 4219-4223.	7.2	54
116	The aromaticity of dicupra[10]annulenes. Physical Chemistry Chemical Physics, 2017, 19, 9669-9675.	1.3	33
117	An Electrophilic Carbeneâ€Anchored Silyleneâ€“Phosphinidene. Angewandte Chemie, 2017, 129, 4283-4287.	1.6	27
118	Carbones as Ligands in Novel Mainâ€Group Compounds E[C(NHC)₂]₂ (E=Be,) Tj ETQq0 0 0 rgBT /Overlock 10	1.7	85
119	A Very Short Beâ€“Be Distance but No Bond: Synthesis and Bonding Analysis of Ngâ€“Be₂O₂â€“Ngâ€² (Ng, Ngâ€²=Ne, Ar, Kr, Xe). Chemistry - A European Journal, 2017, 23, 2035-2039.	1.7	46
120	NHCâ€Stabilised Acetyleneâ€”How Far Can the Analogy Be Pushed?. Chemistry - A European Journal, 2017, 23, 2926-2934.	1.7	65
121	A Stable Neutral Radical in the Coordination Sphere of Aluminum. Angewandte Chemie - International Edition, 2017, 56, 397-400.	7.2	56
122	Heterobimetallic Complexes Featuring Fe(CO)₅ as a Ligand on Gold. Chemistry - A European Journal, 2017, 23, 17222-17226.	1.7	18
123	The trans Effect in Palladium Phosphine Sulfonate Complexes. Journal of Physical Chemistry A, 2017, 121, 7709-7716.	1.1	13
124	Organosilicon Radicals with Siâ€“H and Siâ€“Me Bonds from Commodity Precursors. Journal of the American Chemical Society, 2017, 139, 11028-11031.	6.6	25
125	Parent Thioketene Sâ€Oxide H₂CCSO: Gasâ€Phase Generation, Structure, and Bonding Analysis. Chemistry - A European Journal, 2017, 23, 16566-16573.	1.7	39
126	The hypothiocyanite radical OSCN and its isomers. Physical Chemistry Chemical Physics, 2017, 19, 16713-16720.	1.3	6

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127	InnenrÃ¼cktitelbild: Heterocumulene Sulfinyl Radical OCNSO (Angew. Chem. 8/2017). Angewandte Chemie, 2017, 129, 2253-2253.	1.6	0
128	Carbodicarbenes: Unexpected Ï€-Accepting Ability during Reactivity with Small Molecules. Journal of the American Chemical Society, 2017, 139, 12830-12836.	6.6	57
129	A C(sp²)â^'H Dehydrogenation of Heteroarenes and Arenes by a Functionalized Aluminum Hydride. Chemistry - A European Journal, 2017, 23, 13633-13637.	1.7	28
130	A C₂ Fragment as Fourâ€Electron Ïƒ Donor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1096-1099.	0.6	20
131	Covalent Bonding and Charge Shift Bonds: Comment on â€œThe Carbonâ€“Nitrogen Bonds in Ammonium Compounds Are Charge Shift Bondsâ€. Chemistry - A European Journal, 2017, 23, 18320-18324.	1.7	5
132	An acyclic zincagermylene: rapid activation of dihydrogen at sub-ambient temperature. Chemical Communications, 2017, 53, 12692-12695.	2.2	35
133	Structural Exploration of Phantom Oligoguanidine from Asymmetric Diamine and Guanidine Hydrochloride. Macromolecular Chemistry and Physics, 2016, 217, 1834-1841.	1.1	0
134	Proton Affinities of Cationic Carbone Adducts [AC(PPh₃)₂]⁺ (A=Halogen, Hydrogen, Methyl) and Unusual Electronic Structures of the Cations and Dications [AC(H)(PPh₃)₂]²⁺. Chemistry - A European Journal, 2016, 22, 8536-8546.	1.7	27
135	The [B₃(NN)₃]⁺ and [B₃(CO)₃]⁺ Complexes Featuring the Smallest Ï€â€Aromatic Species B₃⁺. Angewandte Chemie - International Edition, 2016, 55, 2078-2082.	7.2	64
136	Unusually Short Beâ^'Be Distances with and without a Bond in Be₂F₂ and in the Molecular Discuses Be₂B₈ and Be₂B₇^{â^'}. Angewandte Chemie - International Edition, 2016, 55, 7841-7846.	7.2	60
137	The Chemical Bond in C₂. Chemistry - A European Journal, 2016, 22, 4100-4108.	1.7	75
138	The [B₃(NN)₃]⁺ and [B₃(CO)₃]⁺ Complexes Featuring the Smallest Ï€â€Aromatic Species B₃⁺. Angewandte Chemie, 2016, 128, 2118-2122.	1.6	24
139	Comment on â€œThe Quadruple Bonding in C₂ Reproduces the Properties of the Moleculeâ€. Chemistry - A European Journal, 2016, 22, 18975-18976.	1.7	33
140	The Structure of the Carbene Stabilized Si₂H₂ May Be Equally Well Described with Coordinate Bonds as with Classical Double Bonds. Journal of the American Chemical Society, 2016, 138, 10429-10432.	6.6	105
141	Bonding analysis of ylidone complexes EL₂ (E = Câ€“Pb) with phosphine and carbene ligands L. Canadian Journal of Chemistry, 2016, 94, 1006-1014.	0.6	19
142	New Avenues in sâ€Block Chemistry: Beryllium(0) Complexes. Angewandte Chemie - International Edition, 2016, 55, 13380-13382.	7.2	27
143	Neue Wege in der sâ€Blockâ€Chemie â€“ Komplexe mit Beryllium in der Oxidationsstufe Null. Angewandte Chemie, 2016, 128, 13576-13578.	1.6	8
144	A Triatomic Silicon(0) Cluster Stabilized by a Cyclic Alkyl(amino) Carbene. Angewandte Chemie, 2016, 128, 3210-3213.	1.6	25

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145	Unusually Short Beâ˜Be Distances with and without a Bond in Be₂F₂ and in the Molecular Discuses Be₂B₈ and Be₂B₇^{â˜'}. Angewandte Chemie, 2016, 128, 7972-7977.	1.6	34
146	Observation of Mainâ€Group Tricarbonyls [B(CO)₃] and [C(CO)₃]⁺ Featuring a Tilted Oneâ€Electron Donor Carbonyl Ligand. Chemistry - A European Journal, 2016, 22, 2376-2385.	1.7	23
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