

# Rian D Dewhurst

## List of Publications by Year in descending order

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190  
papers

9,488  
citations

53660

45  
h-index

46693

89  
g-index

218  
all docs

218  
docs citations

218  
times ranked

4577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen fixation and reduction at boron. <i>Science</i> , 2018, 359, 896-900.	6.0	948
2	Electron-Precise Coordination Modes of Boron-Centered Ligands. <i>Chemical Reviews</i> , 2010, 110, 3924-3957.	23.0	511
3	Ambient-Temperature Isolation of a Compound with a Boron-Boron Triple Bond. <i>Science</i> , 2012, 336, 1420-1422.	6.0	508
4	Multiple complexation of CO and related ligands to a main-group element. <i>Nature</i> , 2015, 522, 327-330.	13.7	285
5	Intramolecular $\sigma$ -Hydroiminiumation of Alkenes: Application to the Synthesis of Conjugate Acids of Cyclic Alkyl Amino Carbenes (CAACs). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2899-2902.	7.2	247
6	Metal-Only Lewis Pairs with Transition Metal Lewis Bases. <i>Chemical Reviews</i> , 2012, 112, 4329-4346.	23.0	245
7	$sp^2$ - $sp^3$ -diboranes: astounding structural variability and mild sources of nucleophilic boron for organic synthesis. <i>Chemical Communications</i> , 2015, 51, 9594-9607.	2.2	222
8	Transition metals as Lewis bases: $\sigma$ -Z-type boron ligands and metal-to-boron dative bonding. <i>Dalton Transactions</i> , 2011, 40, 549-558.	1.6	209
9	Single, Double, Triple Bonds and Chains: The Formation of Electron-Precise B-B Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3574-3583.	7.2	196
10	Transition metal borylene complexes. <i>Chemical Society Reviews</i> , 2013, 42, 3197.	18.7	193
11	Boron: Its Role in Energy-Related Processes and Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8800-8816.	7.2	186
12	Neutral zero-valent s-block complexes with strong multiple bonding. <i>Nature Chemistry</i> , 2016, 8, 890-894.	6.6	180
13	Metal-free binding and coupling of carbon monoxide at a boron-boron triple bond. <i>Nature Chemistry</i> , 2013, 5, 1025-1028.	6.6	165
14	Intramolecular $\sigma$ -Hydroiminiumation and -amidiniumation of Alkenes: A Convenient, Flexible, and Scalable Route to Cyclic Iminium and Imidazolium Salts. <i>Journal of Organic Chemistry</i> , 2007, 72, 3492-3499.	1.7	151
15	Bond-strengthening $\pi$ -backdonation in a transition-metal $\sigma$ -diborene complex. <i>Nature Chemistry</i> , 2013, 5, 115-121.	6.6	137
16	Generation of a Carbene-Stabilized Bora-borylene and its Insertion into a C-H Bond. <i>Journal of the American Chemical Society</i> , 2011, 133, 19044-19047.	6.6	129
17	Cyclic (alkyl)(amino)carbene gold(I) complexes: A synthetic and structural investigation. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1674-1682.	0.8	127
18	Direct Hydroboration of B-B Bonds: A Mild Strategy for the Proliferation of B-B Bonds. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3241-3244.	7.2	125

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19	Evidence for Extensive Single-Electron-Transfer Chemistry in Boryl Anions: Isolation and Reactivity of a Neutral Borole Radical. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5453-5457.	7.2	120
20	Boron-Boron Multiple Bonding: From Charged to Neutral and Back Again. <i>Organometallics</i> , 2014, 33, 6271-6277.	1.1	117
21	Controlled homocatenation of boron on a transition metal. <i>Nature Chemistry</i> , 2012, 4, 563-567.	6.6	102
22	Borylene Transfer from Transition Metal Borylene Complexes. <i>Organometallics</i> , 2008, 27, 6381-6389.	1.1	95
23	A Linear, Anionic Dimetalloborylene Complex. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5650-5653.	7.2	88
24	One-pot, room-temperature conversion of dinitrogen to ammonium chloride at a main-group element. <i>Nature Chemistry</i> , 2020, 12, 1076-1080.	6.6	81
25	Generation of Dicoordinate Boron(I) Units by Fragmentation of a Tetra-Boron(I) Molecular Square. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14464-14468.	7.2	78
26	CO <sub>2</sub> Binding and Splitting by Boron-Boron Multiple Bonds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5947-5951.	7.2	74
27	Quaternizing Diboranes(4): Highly Divergent Outcomes and an Inorganic Wagner-Meerwein Rearrangement. <i>Journal of the American Chemical Society</i> , 2013, 135, 8702-8707.	6.6	73
28	A New Perspective on Borane Chemistry: The Nucleophilicity of the B-H Bonding Pair Electrons. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3268-3278.	7.2	73
29	Unexpected Luminescence Behavior of Coinage Metal-Diborene Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4362-4366.	7.2	63
30	Synthesis of cyclic diborenes with unprecedented cis-configuration. <i>Chemical Communications</i> , 2015, 51, 15917-15920.	2.2	63
31	Observation of Elementary Steps in the Catalytic Borane Dehydrocoupling Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 8605-8609.	1.7	62
32	Isolation of diborenes and their 90°-twisted diradical congeners. <i>Nature Communications</i> , 2018, 9, 1197.	5.8	62
33	Unprecedented Borane, Diborane(3), Diborene, and Borylene Ligands via Pt-Mediated Borane Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2016, 138, 76-79.	6.6	59
34	Dative Bonding between Group 13 Elements Using a Boron-Centered Lewis Base. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 436-440.	7.2	58
35	Reactivity of a Terminal Chromium Borylene Complex towards Olefins: Insertion of a Borylene into a C-H Bond. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5978-5980.	7.2	56
36	Heterobimetallic C3 Complexes through Silylpropargylidyne Desilylation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 476-478.	7.2	54

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37	A Trimetallic Gold Boride Complex with a Fluxional Gold–Boron Bond. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9735-9738.	7.2	53
38	Engineering a Small HOMO–LUMO Gap and Intramolecular C–H Borylation by Diborene/Anthracene Orbital Intercalation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8009-8013.	7.2	52
39	Building Electron–Precise Boron–Boron Single Bonds: Imposing Monogamy on a Promiscuous Element. <i>ChemCatChem</i> , 2015, 7, 1630-1638.	1.8	49
40	Strongly Phosphorescent Transition Metal –Complexes of Boron–Boron Triple Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 4887-4893.	6.6	48
41	Electronic and Structural Effects of Stepwise Borylation and Quaternization on Borirene Aromaticity. <i>Journal of the American Chemical Society</i> , 2013, 135, 1903-1911.	6.6	47
42	Ditopic Ambiphilicity of an Anionic Dimetalloborylene Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 2313-2320.	6.6	47
43	Platinum Complexes Containing Pyramidalized Germanium and Tin Dihalide Ligands Bound through $\sigma$ , $\pi$ $\pi$ – $\pi$ Multiple Bonds. <i>Chemistry - A European Journal</i> , 2014, 20, 16888-16898.	1.7	46
44	Interactions of Isonitriles with Metal–Boron Bonds: Insertions, Coupling, Ring Formation, and Liberation of Monovalent Boron. <i>Chemistry - A European Journal</i> , 2016, 22, 11736-11744.	1.7	46
45	Synthesis of Functionalized 1,4-Azaborinines by the Cyclization of Di- <i>tert</i> -butyliminoborane and Alkynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 8212-8220.	6.6	46
46	Bor in energiebezogenen Prozessen und Anwendungen. <i>Angewandte Chemie</i> , 2020, 132, 8882-8900.	1.6	45
47	Unsupported boron–carbon $\sigma$ -coordination to platinum as an isolable snapshot of $\sigma$ -bond activation. <i>Nature Communications</i> , 2012, 3, 872.	5.8	43
48	Monomeric 16-Electron –Diborene Complexes of Zn(II) and Cd(II). <i>Journal of the American Chemical Society</i> , 2017, 139, 10661-10664.	6.6	43
49	Gauging metal Lewis basicity of zerovalent iron complexes via metal-only Lewis pairs. <i>Chemical Science</i> , 2014, 5, 4099.	3.7	41
50	Exclusive – Encapsulation of Light Alkali Metal Cations by a Neutral Molecule. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13090-13094.	7.2	41
51	Stepwise isolation of low-valent, low-coordinate Sn and Pb mono- and dications in the coordination sphere of platinum. <i>Chemical Science</i> , 2015, 6, 425-435.	3.7	41
52	Desymmetrizing Electron–Deficient Diboranes(4): Diverse Products and Their Reactivity. <i>Chemistry - A European Journal</i> , 2016, 22, 13927-13934.	1.7	41
53	A facile and selective route to remarkably inert monocyclic NHC-stabilized boriranes. <i>Chemical Communications</i> , 2015, 51, 1627-1630.	2.2	40
54	Erzeugung zweifach koordinierter Bor(I)–Einheiten durch Fragmentierung eines molekularen Tetra–Bor(I)–Quadrats. <i>Angewandte Chemie</i> , 2016, 128, 14680-14684.	1.6	40

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55	Rhenium, Palladium, and Copper Pyridylalkoxide Complexes: Synthesis, Structural Characterization, and Catalytic Application in Epoxidation Reactions. <i>Organometallics</i> , 2007, 26, 6290-6299.	1.1	39
56	Electronic and Ligand Properties of Annelated Normal and Abnormal (Mesoionic) N-Heterocyclic Carbenes: A Theoretical Study. <i>Journal of Organic Chemistry</i> , 2013, 78, 11032-11039.	1.7	39
57	Reactivity of Lewis Basic Platinum Complexes Towards Fluoroboranes. <i>Chemistry - A European Journal</i> , 2013, 19, 8797-8805.	1.7	38
58	Regioselective Catalytic and Stepwise Routes to Bulky, Functional Group Appended, and Luminescent 1,2-Azaborinines. <i>Chemistry - A European Journal</i> , 2016, 22, 8603-8609.	1.7	37
59	CO <sub>2</sub> Fixierung und Spaltung durch unpolare Mehrfachbindungen. <i>Angewandte Chemie</i> , 2018, 130, 6055-6059.	1.6	36
60	Unravelling the Dramatic Electrostructural Differences Between N-Heterocyclic Carbene- and Cyclic (Alkyl)(amino)carbene-Stabilized Low-Valent Main Group Species. <i>Journal of the American Chemical Society</i> , 2018, 140, 12580-12591.	6.6	35
61	<i>trans</i> -[Pt(BCat <sup>2</sup> )Me(PCy <sub>3</sub> ) <sub>2</sub> ]: An Experimental Case Study of Reductive Elimination Processes in Pt <sup>0</sup> Boryls through Associative Mechanisms. <i>Chemistry - A European Journal</i> , 2011, 17, 11828-11837.	1.7	34
62	Dialumination of unsaturated species with a reactive bis(cyclopentadienyl) dialane. <i>Chemical Communications</i> , 2018, 54, 1639-1642.	2.2	34
63	Closely related yet different: a borylene and its dimer are non-interconvertible but connected through reactivity. <i>Chemical Science</i> , 2018, 9, 2252-2260.	3.7	34
64	σ-Donor/π-acceptor plumblylene ligands: synergic σ-donation between ambiphilic Pt <sup>0</sup> and Pb <sup>II</sup> fragments. <i>Chemical Communications</i> , 2012, 48, 10410.	2.2	33
65	Synthesis and Trapping of Iminoboranes by M=B/C=N Bond Metathesis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7975-7979.	7.2	33
66	Simple solution-phase syntheses of tetrahalodiboranes(4) and their labile dimethylsulfide adducts. <i>Chemical Communications</i> , 2017, 53, 8265-8267.	2.2	33
67	Recent Advances in the Synthesis and Reactivity of Transition Metal σ-Borane/Borate Complexes. <i>Accounts of Chemical Research</i> , 2021, 54, 1260-1273.	7.6	33
68	Stoichiometric and Catalytic Demercuration of Bis(tricarbido)mercurials: The First Dimetallaooctatetraynes. <i>Organometallics</i> , 2005, 24, 3043-3046.	1.1	32
69	Reductive Borylene-CO Coupling with a Bulky Arylborylene Complex. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10120-10123.	7.2	32
70	Nucleophilic addition and substitution at coordinatively saturated boron by facile 1,2-hydrogen shuttling onto a carbene donor. <i>Chemical Science</i> , 2017, 8, 7066-7071.	3.7	32
71	Bottleable Neutral Analogues of [B <sub>2</sub> H <sub>5</sub> ] <sup>+</sup> as Versatile and Strongly Binding σ <sup>2</sup> Donor Ligands. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6347-6351.	7.2	32
72	Phosphine-Stabilized Diiododiborenes: Isolable Diborenes with Six Labile Bonds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4405-4409.	7.2	32

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73	Reactions of Bis(tricarbido)mercurials and Dimetallaocotatetraynes with [Ru(CO) <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> ]: Scission of a Csp <sup>2</sup> -Csp Single Bond. <i>Organometallics</i> , 2005, 24, 4703-4706.	1.1	31
74	Trihapto Ligation of a Borirene to a Single Metal Atom: A Heterocyclic Analogue of the $\eta^3$ -Cyclopropenyl Ligand. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6263-6266.	7.2	31
75	Silver(i) and thallium(i) cations as unsupported bridges between two metal bases. <i>Chemical Communications</i> , 2014, 50, 15685-15688.	2.2	30
76	Low-coordinate Boride Ligands: A True Trimetalloborane. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5837-5840.	7.2	29
77	DFT Study on Alkyl- and Haloborylene Complexes of Manganese and Rhenium: Structure and Bonding Energy Analysis in [( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> M(BR)] and [( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> M(BX)] (M = Mn, Re; R = Me, Et, iPr, tBu; X = F, Cl, Br, I). <i>J. Organomet. Chem.</i> 2014, 913, 107-114.	1.1	29
78	Diboryldiborenes: $\pi$ -Conjugated B <sub>4</sub> Chains Isoelectronic to the Butadiene Dication. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10091-10095.	7.2	29
79	A mercury bis(tricarbido) complex: [Hg{C(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> W(CO) <sub>2</sub> Tp} <sub>2</sub> (dmsO) <sub>4</sub> ](dmsO) <sub>2</sub> (Tp = 1,2,3-triphenyl-1,2,3-triazole). <i>Chemical Communications</i> , 2017, 53, 11945-11947.	2.2	28
80	A Bis(tricarbido) Complex of Iridium and Tungsten: [IrH(C(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> W(CO) <sub>2</sub> {HB(pz) <sub>3</sub> } <sub>2</sub> (CO)(PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Organometallics</i> , 2004, 23, 1646-1648.	1.1	26
81	Dimanganese Bridging Borylene Complexes and their Reactions with Unsaturated Palladium(0) Complexes: Syntheses, Structures and Calculated Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1875-1879.	0.6	26
82	Reversible Borylene-to-Borylene Transformation: A Little Something For Everyone. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1893-1895.	7.2	26
83	CuOTf-mediated intramolecular diborene hydroarylation. <i>Chemical Communications</i> , 2017, 53, 11945-11947.	2.2	25
84	A New Class of Neutral Boron-Based Diradicals Spanned by a Two-Carbon Atom Bridge. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1842-1846.	7.2	25
85	Reaction of Dihalodiboranes(4) with a N-heterocyclic Silylene: Facile Construction of 1,2-Diboraindanes. <i>Chemistry - A European Journal</i> , 2017, 23, 9491-9494.	1.7	24
86	Isolation and Reactivity of an Antiaromatic s-block Metal Compound. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3812-3819.	7.2	24
87	Templated Synthesis and Intact Coordination of a Diorganotriseselenane: [RuCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> ]{I <sup>3</sup> -Se,N,N <sup>-</sup> Se(mtSe) <sub>2</sub> } (mtSe = selenomethimazolyl). <i>Organometallics</i> , 2006, 25, 5843-5846.	1.1	23
88	Diverse reactions of N-heterocyclic carbenes with an alkynylborane and isolation of a reactive zwitterionic borataallene. <i>Chemical Communications</i> , 2014, 50, 97-99.	2.2	23
89	Towards the catalytic activation of inert small molecules by main-group ambiphiles. <i>Communications Chemistry</i> , 2020, 3, .	2.0	23
90	Bi- and Tetranuclear Tricarbido Complexes: $\eta^4$ - $\eta^3$ -C <sub>3</sub> and $\eta^4$ - $\eta^3$ -C <sub>3</sub> Coordination of Bridging C <sub>3</sub> Ligands. <i>Organometallics</i> , 2004, 23, 5903-5906.	1.1	22

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91	Photoionization and Pyrolysis of a 1,4-Azaborinine: Retro-Hydroboration in the Cation and Identification of Novel Organoboron Ring Systems. <i>Chemistry - A European Journal</i> , 2014, 20, 9683-9692.	1.7	22
92	Two-Dimensional, but not Flat: An All-Boron Graphene with a Corrugated Structure. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4866-4868.	7.2	21
93	Generierung einer kleinen HOMO-LUMO-Lücke und intramolekulare C-H-Borylierung durch Diboren-Anthracen-Orbitalinterkalation. <i>Angewandte Chemie</i> , 2017, 129, 8122-8126.	1.6	21
94	Release of Isonitrile- and NHC-Stabilized Borylenes from Group-VI Terminal Borylene Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 6843-6847.	1.7	21
95	Lewis Acid Binding and Transfer as a Versatile Experimental Gauge of the Lewis Basicity of Fe <sup>0</sup> , Ru <sup>0</sup> , and Pt <sup>0</sup> Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 19195-19201.	1.7	20
96	Unprecedented Oxidative Addition and Metal-Only Lewis Pair Chemistry of Antimony Trihalides. <i>Chemistry - A European Journal</i> , 2015, 21, 1860-1862.	1.7	20
97	New outcomes of Lewis base addition to diboranes(4): electronic effects override strong steric disincentives. <i>Chemical Communications</i> , 2016, 52, 4898-4901.	2.2	20
98	Dynamic, Reversible Oxidative Addition of Highly Polar Bonds to a Transition Metal. <i>Journal of the American Chemical Society</i> , 2016, 138, 16140-16147.	6.6	20
99	Adducts of the Parent Boraphosphaketene H <sub>2</sub> BPCO and their Decarbonylative Insertion Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13666-13670.	7.2	20
100	An Unsymmetrical, Cyclic Diborene Based on a Chelating CAAC Ligand and its Small-Molecule Activation and Rearrangement Chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
101	Neutral and Anionic Tricarbido Complexes of Gold(I). <i>Organometallics</i> , 2005, 24, 5576-5580.	1.1	19
102	Mild synthesis of diboryldiborenes by diboration of B-B triple bonds. <i>Chemical Science</i> , 2019, 10, 7375-7378.	3.7	19
103	Phosphan-stabilisierte Diioddiborene: Isolierbare Diborene mit sechs labilen Bindungen. <i>Angewandte Chemie</i> , 2019, 131, 4451-4456.	1.6	19
104	Planar Four-Coordinate Boron: A Single, Flat Boron Atom as a Ligand for Four Metals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2183-2186.	7.2	18
105	Alkylideneborate zwitterions and C-C coupling by atypical diboration of electron-rich alkynes. <i>Chemical Communications</i> , 2017, 53, 12132-12135.	2.2	18
106	Transition-Metal Ligand of a Tetrahalodiborane. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 412-416.	7.2	18
107	Maximizing Coordinative and Electronic Unsaturation: Three-Coordinate Dicationic Platinum Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2981-2984.	7.2	17
108	Base-Stabilized Boryl and Cationic Haloborylene Complexes of Iron. <i>Chemistry - A European Journal</i> , 2013, 19, 13402-13407.	1.7	17



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109	Cascades of catalytic selectivity. <i>Nature Chemistry</i> , 2014, 6, 279-280.	6.6	17
110	Correlations and Contrasts in Homo- and Heteroleptic Cyclic (Alkyl)(amino)carbene-Containing Pt <sup>0</sup> Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 12357-12362.	1.7	17
111	Reactions of Digallanes with $\sigma$ - and $\delta$ -Block Lewis Bases: Adducts, Bis(gallyl) Complexes, and Naked Ga <sup>+</sup> as Ligand. <i>Chemistry - A European Journal</i> , 2018, 24, 9692-9697.	1.7	17
112	Isolierbare, neutrale Analoga des [B <sub>2</sub> H <sub>5</sub> ] anions als vielseitige und stark bindende 2-Donorliganden. <i>Angewandte Chemie</i> , 2018, 130, 6456-6460.	1.6	17
113	Reactivity of Tetrahalo- and Difluorodiboranes(4) toward Lewis Basic Platinum(0): Bis(boryl), Borylborato, and Doubly Boryl-Bridged Platinum Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 13056-13063.	6.6	17
114	Lewis-Base-Induced Disproportionation of a Dialane. <i>Chemistry - A European Journal</i> , 2018, 24, 11795-11802.	1.7	17
115	Twisting versus Delocalization in CAAC- and NHC-Stabilized Boron-Based Biradicals: The Roles of Sterics and Electronics. <i>Chemistry - A European Journal</i> , 2021, 27, 5160-5170.	1.7	17
116	Hazards Associated with Bis(alkynyl)mercurials. <i>Organometallics</i> , 2006, 25, 2388-2389.	1.1	16
117	Boranchemie aus einer neuen Perspektive: Nucleophilie der B-H-Bindungselektronen. <i>Angewandte Chemie</i> , 2019, 131, 3302-3313.	1.6	16
118	Generation of a transient base-stabilised arylaluminum for the facile deconstruction of aromatic molecules. <i>Chemical Science</i> , 2022, 13, 5631-5638.	3.7	16
119	Hydridoborylene Complexes and Di-, Tri-, and Tetranuclear Borido Complexes with Hydride Ligands. <i>Chemistry - A European Journal</i> , 2013, 19, 17608-17612.	1.7	15
120	Cyclization of a 1,4-Diborabutadiene Ligand with Both Atoms of CO. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5065-5068.	7.2	15
121	Platinum <i>trans</i> -Bis(borirene) Complexes Displaying Coplanarity and Communication Across a Platinum Metal Center. <i>Chemistry - A European Journal</i> , 2015, 21, 2377-2386.	1.7	15
122	Theoretical strategies toward stabilization of singlet remote N-heterocyclic carbenes. <i>Journal of Computational Chemistry</i> , 2016, 37, 1484-1490.	1.5	15
123	Carbene-induced synthesis of the first boronium cations using the [( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )Fe(CO) <sub>2</sub> ] <sup>+</sup> anion as an unlikely leaving group. <i>Chemical Communications</i> , 2016, 52, 183-185.	2.2	15
124	Isolation of a Reactive Cyclopropane Intermediate via a Unique Catalyst-Free Spontaneous Cyclopropanation Step at 0 °C. <i>Chemistry - A European Journal</i> , 2017, 23, 5953-5956.	1.7	15
125	Diboryldiborene: $\pi$ -konjugierte B <sub>4</sub> -Ketten isoelektronisch zum Butadien-Dikation. <i>Angewandte Chemie</i> , 2018, 130, 10248-10252.	1.6	15
126	The Interplay of Bis(tricarbido) and Dimetallaocatetrayne Complexes of Platinum. <i>Organometallics</i> , 2009, 28, 4735-4740.	1.1	14



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