Rian D Dewhurst

List of Publications by Citations

195 papers	7,675 citations	41 h-index	80 g-index
218 ext. papers	8,717 ext. citations	9.4 avg, IF	6.35 L-index

#	Paper	IF	Citations
195	Nitrogen fixation and reduction at boron. *Science*, **2018**, 359, 896-900	33.3	632
194	Electron-precise coordination modes of boron-centered ligands. *Chemical Reviews*, **2010**, 110, 3924-57	68.1	461
193	Ambient-temperature isolation of a compound with a boron-boron triple bond. *Science*, **2012**, 336, 1420-2	33.3	437
192	Multiple complexation of CO and related ligands to a main-group element. *Nature*, **2015**, 522, 327-30	50.4	245
191	Intramolecular "hydroiminiumation" of alkenes: application to the synthesis of conjugate acids of cyclic alkyl amino carbenes (CAACs). *Angewandte Chemie - International Edition*, **2007**, 46, 2899-902	16.4	214
190	Metal-only Lewis pairs with transition metal lewis bases. *Chemical Reviews*, **2012**, 112, 4329-46	68.1	204
189	Transition metals as Lewis bases: "Z-type" boron ligands and metal-to-boron dative bonding. *Dalton Transactions*, **2011**, 40, 549-58	4.3	182
188	sp(2)-sp(3) diboranes: astounding structural variability and mild sources of nucleophilic boron for organic synthesis. *Chemical Communications*, **2015**, 51, 9594-607	5.8	179
187	Single, double, triple bonds and chains: the formation of electron-precise B-B bonds. *Angewandte Chemie - International Edition*, **2013**, 52, 3574-83	16.4	168
186	Transition metal borylene complexes. *Chemical Society Reviews*, **2013**, 42, 3197-208	58.5	167
185	Intramolecular "hydroiminiumation and -amidiniumation" of alkenes: a convenient, flexible, and scalable route to cyclic iminium and imidazolinium salts. *Journal of Organic Chemistry*, **2007**, 72, 3492-9	4.2	138
184	Metal-free binding and coupling of carbon monoxide at a boron-boron triple bond. *Nature Chemistry*, **2013**, 5, 1025-8	17.6	135
183	Neutral zero-valent s-block complexes with strong multiple bonding. *Nature Chemistry*, **2016**, 8, 638-42	17.6	127
182	Generation of a carbene-stabilized bora-borylene and its insertion into a C-H bond. *Journal of the American Chemical Society*, **2011**, 133, 19044-7	16.4	120
181	Cyclic (Alkyl)(amino)carbene Gold(I) complexes: A Synthetic and Structural Investigation. *Journal of Organometallic Chemistry*, **2008**, 693, 1674-1682	2.3	120
180	Bond-strengthening backdonation in a transition-metal diborene complex. *Nature Chemistry*, **2013**, 5, 115-21	17.6	118
179	Direct hydroboration of B=B bonds: a mild strategy for the proliferation of B-B bonds. *Angewandte Chemie - International Edition*, **2014**, 53, 3241-4	16.4	110

178	Boron□Boron Multiple Bonding: From Charged to Neutral and Back Again. *Organometallics*, **2014**, 33, 6271-6277	3.8	101
177	Evidence for extensive single-electron-transfer chemistry in boryl anions: isolation and reactivity of a neutral borole radical. *Angewandte Chemie - International Edition*, **2014**, 53, 5453-7	16.4	100
176	Controlled homocatenation of boron on a transition metal. *Nature Chemistry*, **2012**, 4, 563-7	17.6	96
175	Einfach-, Doppel-, Dreifachbindungen und Ketten: Knüpfung elektronenpräziser B-B-Bindungen. *Angewandte Chemie*, **2013**, 125, 3658-3667	3.6	93
174	Boron: Its Role in Energy-Related Processes and Applications. *Angewandte Chemie - International Edition*, **2020**, 59, 8800-8816	16.4	92
173	Borylene Transfer from Transition Metal Borylene Complexes. *Organometallics*, **2008**, 27, 6381-6389	3.8	88
172	A linear, anionic dimetalloborylene complex. *Angewandte Chemie - International Edition*, **2008**, 47, 5650-3	16.4	83
171	Quaternizing diboranes(4): highly divergent outcomes and an inorganic Wagner-Meerwein rearrangement. *Journal of the American Chemical Society*, **2013**, 135, 8702-7	16.4	66
170	Direkte Hydroborierung von B?B-Bindungen: eine milde Methode zum Aufbau von B?B-Bindungen. *Angewandte Chemie*, **2014**, 126, 3305-3308	3.6	62
169	Generation of Dicoordinate Boron(I) Units by Fragmentation of a Tetra-Boron(I) Molecular Square. *Angewandte Chemie - International Edition*, **2016**, 55, 14464-14468	16.4	62
168	Observation of elementary steps in the catalytic borane dehydrocoupling reaction. *Chemistry - A European Journal*, **2012**, 18, 8605-9	4.8	58
167	Synthesis of cyclic diborenes with unprecedented cis-configuration. *Chemical Communications*, **2015**, 51, 15917-20	5.8	52
166	Dative Bonding between Group 13 Elements Using a Boron-Centered Lewis Base. *Angewandte Chemie - International Edition*, **2016**, 55, 436-40	16.4	52
165	Unexpected luminescence behavior of coinage metal □diborene complexes. *Angewandte Chemie - International Edition*, **2015**, 54, 4362-6	16.4	52
164	Reactivity of a terminal chromium borylene complex towards olefins: insertion of a borylene into a C-H bond. *Angewandte Chemie - International Edition*, **2008**, 47, 5978-80	16.4	52
163	Heterobimetallic C3 complexes through silylpropargylidyne desilylation. *Angewandte Chemie - International Edition*, **2004**, 43, 476-8	16.4	52
162	A trimetallic gold boride complex with a fluxional gold-boron bond. *Angewandte Chemie - International Edition*, **2009**, 48, 9735-8	16.4	51
161	CO Binding and Splitting by Boron-Boron Multiple Bonds. *Angewandte Chemie - International Edition*, **2018**, 57, 5947-5951	16.4	50

160	A New Perspective on Borane Chemistry: The Nucleophilicity of the B-H Bonding Pair Electrons. *Angewandte Chemie - International Edition*, **2019**, 58, 3268-3278	16.4	49
159	Unprecedented Borane, Diborane(3), Diborene, and Borylene Ligands via Pt-Mediated Borane Dehydrogenation. *Journal of the American Chemical Society*, **2016**, 138, 76-9	16.4	48
158	Deutliche Belege f□ Ein-Elektronen-□bertragungen in der Boryl-Anionenchemie: Isolierung und Reaktivit□ eines neutralen Borolradikals. *Angewandte Chemie*, **2014**, 126, 5557-5561	3.6	47
157	Building Electron-Precise Boron?Boron Single Bonds: Imposing Monogamy on a Promiscuous Element. *ChemCatChem*, **2015**, 7, 1630-1638	5.2	47
156	Ditopic ambiphilicity of an anionic dimetalloborylene complex. *Journal of the American Chemical Society*, **2013**, 135, 2313-20	16.4	44
155	Isolation of diborenes and their 90□-twisted diradical congeners. *Nature Communications*, **2018**, 9, 1197	17.4	41
154	Interactions of Isonitriles with Metal-Boron Bonds: Insertions, Coupling, Ring Formation, and Liberation of Monovalent Boron. *Chemistry - A European Journal*, **2016**, 22, 11736-44	4.8	41
153	Synthesis of Functionalized 1,4-Azaborinines by the Cyclization of Di-tert-butyliminoborane and Alkynes. *Journal of the American Chemical Society*, **2016**, 138, 8212-20	16.4	40
152	Strongly Phosphorescent Transition Metal □Complexes of Boron-Boron Triple Bonds. *Journal of the American Chemical Society*, **2017**, 139, 4887-4893	16.4	38
151	Engineering a Small HOMO-LUMO Gap and Intramolecular C-H Borylation by Diborene/Anthracene Orbital Intercalation. *Angewandte Chemie - International Edition*, **2017**, 56, 8009-8013	16.4	38
150	Electronic and ligand properties of annelated normal and abnormal (mesoionic) N-heterocyclic carbenes: a theoretical study. *Journal of Organic Chemistry*, **2013**, 78, 11032-9	4.2	37
149	Rhenium, Palladium, and Copper Pyridylalkoxide Complexes: Synthesis, Structural Characterization, and Catalytic Application in Epoxidation Reactions. *Organometallics*, **2007**, 26, 6290-6299	3.8	37
148	Platinum complexes containing pyramidalized germanium and tin dihalide ligands bound through □M=E multiple bonds. *Chemistry - A European Journal*, **2014**, 20, 16888-98	4.8	36
147	Unsupported boron-carbon □coordination to platinum as an isolable snapshot of □bond activation. *Nature Communications*, **2012**, 3, 872	17.4	36
146	Monomeric 16-Electron □Diborene Complexes of Zn(II) and Cd(II). *Journal of the American Chemical Society*, **2017**, 139, 10661-10664	16.4	35
145	Exclusive □Encapsulation of Light Alkali Metal Cations by a Neutral Molecule. *Angewandte Chemie - International Edition*, **2015**, 54, 13090-4	16.4	35
144	Reactivity of Lewis basic platinum complexes towards fluoroboranes. *Chemistry - A European Journal*, **2013**, 19, 8797-805	4.8	35
143	Gauging metal Lewis basicity of zerovalent iron complexes via metal-only Lewis pairs. *Chemical Science*, **2014**, 5, 4099	9.4	34

142	A facile and selective route to remarkably inert monocyclic NHC-stabilized boriranes. *Chemical Communications*, **2015**, 51, 1627-30	5.8	33
141	Electronic and structural effects of stepwise borylation and quaternization on borirene aromaticity. *Journal of the American Chemical Society*, **2013**, 135, 1903-11	16.4	33
140	trans-[Pt(BCat')Me(PCy3)2]: an experimental case study of reductive elimination processes in Pt-Boryls through associative mechanisms. *Chemistry - A European Journal*, **2011**, 17, 11828-37	4.8	33
139	Erzeugung zweifach koordinierter Bor(I)-Einheiten durch Fragmentierung eines molekularen Tetra-Bor(I)-Quadrats. *Angewandte Chemie*, **2016**, 128, 14680-14684	3.6	32
138	One-pot, room-temperature conversion of dinitrogen to ammonium chloride at a main-group element. *Nature Chemistry*, **2020**, 12, 1076-1080	17.6	32
137	Desymmetrizing Electron-Deficient Diboranes(4): Diverse Products and Their Reactivity. *Chemistry - A European Journal*, **2016**, 22, 13927-13934	4.8	32
136	Reductive borylene-CO coupling with a bulky arylborylene complex. *Angewandte Chemie - International Edition*, **2013**, 52, 10120-3	16.4	31
135	Stepwise isolation of low-valent, low-coordinate Sn and Pb mono- and dications in the coordination sphere of platinum. *Chemical Science*, **2015**, 6, 425-435	9.4	30
134	CO2-Fixierung und Spaltung durch unpolare Mehrfachbindungen. *Angewandte Chemie*, **2018**, 130, 6055-6059	3.6	30
133	Stoichiometric and Catalytic Demercuration of Bis(tricarbido)mercurials: The First Dimetallaoctatetraynes. *Organometallics*, **2005**, 24, 3043-3046	3.8	30
132	Regioselective Catalytic and Stepwise Routes to Bulky, Functional-Group-Appended, and Luminescent 1,2-Azaborinines. *Chemistry - A European Journal*, **2016**, 22, 8603-9	4.8	29
131	□Donor-□acceptor plumbylene ligands: synergic □donation between ambiphilic Pt(0) and Pb(II) fragments. *Chemical Communications*, **2012**, 48, 10410-2	5.8	29
130	Reactions of Bis(tricarbido)mercurials and Dimetallaoctatetraynes with [Ru(CO)2(PPh3)3]: Scission of a Csp□Csp Single Bond. *Organometallics*, **2005**, 24, 4703-4706	3.8	29
129	Simple solution-phase syntheses of tetrahalodiboranes(4) and their labile dimethylsulfide adducts. *Chemical Communications*, **2017**, 53, 8265-8267	5.8	28
128	DFT Study on Alkyl- and Haloborylene Complexes of Manganese and Rhenium: Structure and Bonding Energy Analysis in [(□5-C5H5)(CO)2M(BR)] and [(□5-C5H5)(CO)2M(BX)] (M = Mn, Re; R = Me, Et, iPr, tBu; X = F, Cl, Br, I). *European Journal of Inorganic Chemistry*, **2011**, 2011, 2045-2056	2.3	28
127	Unerwartetes Lumineszenzverhalten von M□zmetall-□Diboren-Komplexen. *Angewandte Chemie*, **2015**, 127, 4436-4440	3.6	27
126	A mercury bis(tricarbido) complex: [Hg{C triple bond C-C triple bond W(CO)2Tp}2(dmso)4](dmso)2 (Tp = hydrotrispyrazolylborate). *Chemical Communications*, **2004**, 2826-7	5.8	27
125	Synthesis and Trapping of Iminoboranes by M=B/C=N Bond Metathesis. *Angewandte Chemie - International Edition*, **2017**, 56, 7975-7979	16.4	26

124	Bottleable Neutral Analogues of [B H] as Versatile and Strongly Binding Donor Ligands. *Angewandte Chemie - International Edition*, **2018**, 57, 6347-6351	16.4	26
123	Low-coordinate boride ligands: a true trimetalloborane. *Angewandte Chemie - International Edition*, **2009**, 48, 5837-40	16.4	26
122	Silver(I) and thallium(I) cations as unsupported bridges between two metal bases. *Chemical Communications*, **2014**, 50, 15685-8	5.8	25
121	Reversible sigma-borane-to-borylene transformation: a little something for everyone. *Angewandte Chemie - International Edition*, **2009**, 48, 1893-5	16.4	25
120	A Bis(tricarbido) Complex of Iridium and Tungsten: [IrH(C?CC?W(CO)2{HB(pz)3})2(CO)(PPh3)2]. *Organometallics*, **2004**, 23, 1646-1648	3.8	25
119	Bor in energiebezogenen Prozessen und Anwendungen. *Angewandte Chemie*, **2020**, 132, 8882-8900	3.6	25
118	Dialumination of unsaturated species with a reactive bis(cyclopentadienyl) dialane. *Chemical Communications*, **2018**, 54, 1639-1642	5.8	24
117	Dimanganese Bridging Borylene Complexes and their Reactions with Unsaturated Palladium(0) Complexes Syntheses, Structures and Calculated Properties. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2008**, 634, 1875-1879	1.3	24
116	Closely related yet different: a borylene and its dimer are non-interconvertible but connected through reactivity. *Chemical Science*, **2018**, 9, 2252-2260	9.4	23
115	Diboryldiborenes: Conjugated B Chains Isoelectronic to the Butadiene Dication. *Angewandte Chemie - International Edition*, **2018**, 57, 10091-10095	16.4	23
114	Unravelling the Dramatic Electrostructural Differences Between N-Heterocyclic Carbene- and Cyclic (Alkyl)(amino)carbene-Stabilized Low-Valent Main Group Species. *Journal of the American Chemical Society*, **2018**, 140, 12580-12591	16.4	23
113	Phosphine-Stabilized Diiododiborenes: Isolable Diborenes with Six Labile Bonds. *Angewandte Chemie - International Edition*, **2019**, 58, 4405-4409	16.4	22
112	Dative Wechselwirkungen einer Bor-zentrierten Lewis-Base mit Gruppe-13-Elementen. *Angewandte Chemie*, **2016**, 128, 447-451	3.6	22
111	Diverse reactions of N-heterocyclic carbenes with an alkynylborane and isolation of a reactive zwitterionic borataallene. *Chemical Communications*, **2014**, 50, 97-9	5.8	22
110	Templated Synthesis and Intact Coordination of a Diorganotriselenane: [RuCl2(PPh3){3-Se,N,NSe(mtSe)2}] (mtSe = selenomethimazolyl). *Organometallics*, **2006**, 25, 5843-5846	3.8	22
109	CuOTf-mediated intramolecular diborene hydroarylation. *Chemical Communications*, **2017**, 53, 11945-11947	5.8	20
108	Trihapto ligation of a borirene to a single metal atom: a heterocyclic analogue of the -cyclopropenyl ligand. *Angewandte Chemie - International Edition*, **2014**, 53, 6263-6	16.4	20
107	Reduktive Borylen-CO-Kupplung an einem sterisch anspruchsvollen Arylborylenkomplex. *Angewandte Chemie*, **2013**, 125, 10307-10310	3.6	20

106	Bi- and Tetranuclear Tricarbido Complexes: □ and □ Coordination of Bridging C3 Ligands. *Organometallics*, **2004**, 23, 5903-5906	3.8	20
105	Generierung einer kleinen HOMO-LUMO-L□ke und intramolekulare C-H-Borylierung durch Diboren-Anthracen-Orbitalinterkalation. *Angewandte Chemie*, **2017**, 129, 8122-8126	3.6	19
104	Release of Isonitrile- and NHC-Stabilized Borylenes from Group VI Terminal Borylene Complexes. *Chemistry - A European Journal*, **2018**, 24, 6843-6847	4.8	19
103	Two-Dimensional, but not Flat: An All-Boron Graphene with a Corrugated Structure. *Angewandte Chemie - International Edition*, **2016**, 55, 4866-8	16.4	19
102	Nucleophilic addition and substitution at coordinatively saturated boron by facile 1,2-hydrogen shuttling onto a carbene donor. *Chemical Science*, **2017**, 8, 7066-7071	9.4	19
101	Photoionization and pyrolysis of a 1,4-azaborinine: retro-hydroboration in the cation and identification of novel organoboron ring systems. *Chemistry - A European Journal*, **2014**, 20, 9683-92	4.8	19
100	Dynamic, Reversible Oxidative Addition of Highly Polar Bonds to a Transition Metal. *Journal of the American Chemical Society*, **2016**, 138, 16140-16147	16.4	18
99	Planar four-coordinate boron: a single, flat boron atom as a ligand for four metals. *Angewandte Chemie - International Edition*, **2012**, 51, 2183-6	16.4	18
98	Unprecedented oxidative addition and metal-only Lewis pair chemistry of antimony trihalides. *Chemistry - A European Journal*, **2015**, 21, 1860-2	4.8	18
97	Neutral and Anionic Tricarbido Complexes of Gold(I). *Organometallics*, **2005**, 24, 5576-5580	3.8	18
96	Transition-Metal □Ligation of a Tetrahalodiborane. *Angewandte Chemie - International Edition*, **2018**, 57, 412-416	16.4	18
95	Maximizing coordinative and electronic unsaturation: three-coordinate dicationic platinum complexes. *Angewandte Chemie - International Edition*, **2013**, 52, 2981-4	16.4	17
94	Lewis Acid Binding and Transfer as a Versatile Experimental Gauge of the Lewis Basicity of Fe(0) , Ru(0) , and Pt(0) Complexes. *Chemistry - A European Journal*, **2015**, 21, 19195-201	4.8	17
93	A New Class of Neutral Boron-Based Diradicals Spanned by a Two-Carbon-Atom Bridge. *Angewandte Chemie - International Edition*, **2019**, 58, 1842-1846	16.4	17
92	Isolierbare, neutrale Analoga des [B2H5]□ons als vielseitige und stark bindende □-Donorliganden. *Angewandte Chemie*, **2018**, 130, 6456-6460	3.6	16
91	New outcomes of Lewis base addition to diboranes(4): electronic effects override strong steric disincentives. *Chemical Communications*, **2016**, 52, 4898-901	5.8	16
90	Lewis-Base-Induced Disproportionation of a Dialane. *Chemistry - A European Journal*, **2018**, 24, 11795-11802	4.8	15
89	Base-stabilized boryl and cationic haloborylene complexes of iron. *Chemistry - A European Journal*, **2013**, 19, 13402-7	4.8	15

88	Boranchemie aus einer neuen Perspektive: Nukleophilie der B-H-Bindungselektronen. *Angewandte Chemie*, **2019**, 131, 3302-3313	3.6	15
87	Reaction of Dihalodiboranes(4) with a N-Heterocyclic Silylene: Facile Construction of 1-Aryl-2-Silyl-1,2-Diboraindanes. *Chemistry - A European Journal*, **2017**, 23, 9491-9494	4.8	14
86	Alkylideneborate zwitterions and C-C coupling by atypical diboration of electron-rich alkynes. *Chemical Communications*, **2017**, 53, 12132-12135	5.8	14
85	Correlations and Contrasts in Homo- and Heteroleptic Cyclic (Alkyl)(amino)carbene-Containing Pt(0) Complexes. *Chemistry - A European Journal*, **2015**, 21, 12357-62	4.8	14
84	The Interplay of Bis(tricarbido) and Dimetallaoctatetrayne Complexes of Platinum. *Organometallics*, **2009**, 28, 4735-4740	3.8	14
83	Hazards Associated with Bis(alkynyl)mercurials. *Organometallics*, **2006**, 25, 2388-2389	3.8	14
82	Phosphanstabilisierte Diioddiborene: Isolierbare Diborene mit sechs labilen Bindungen. *Angewandte Chemie*, **2019**, 131, 4451-4456	3.6	13
81	Reactions of Digallanes with p- and d-Block Lewis Bases: Adducts, Bis(gallyl) Complexes, and Naked Ga as Ligand. *Chemistry - A European Journal*, **2018**, 24, 9692-9697	4.8	13
80	Metal-Only Lewis Pairs Based on Zerovalent Osmium. *Organometallics*, **2016**, 35, 2567-2573	3.8	13
79	Exklusiver Einschluss leichter Alkalimetallkationen durch ein neutrales Molek *Angewandte Chemie*, **2015**, 127, 13282-13286	3.6	13
78	Fashionably late: synthesis and characterization of transition-metal-fluoroborylene complexes. *Angewandte Chemie - International Edition*, **2010**, 49, 3412-4	16.4	13
77	Theoretical strategies toward stabilization of singlet remote N-heterocyclic carbenes. *Journal of Computational Chemistry*, **2016**, 37, 1484-90	3.5	13
76	Mild and Complete Carbonyl Ligand Scission on a Mononuclear Transition Metal Complex. *Angewandte Chemie - International Edition*, **2016**, 55, 5076-80	16.4	13
75	Platinum trans-Bis(borirene) complexes displaying coplanarity and communication across a platinum metal center. *Chemistry - A European Journal*, **2015**, 21, 2377-86	4.8	12
74	Diboryldiborene: konjugierte B4-Ketten isoelektronisch zum Butadien-Dikation. *Angewandte Chemie*, **2018**, 130, 10248-10252	3.6	12
73	Partially and Fully Reversible Solvation-Controlled Borylene Swapping and Metal-Only Lewis Pair Formation. *Organometallics*, **2014**, 33, 3649-3651	3.8	12
72	Regioselective Dimetallapolycarbyl Hydrometalation. *Organometallics*, **2005**, 24, 6295-6297	3.8	12
71	Reactivity of Tetrahalo- and Difluorodiboranes(4) toward Lewis Basic Platinum(0): Bis(boryl), Borylborato, and Doubly Boryl-Bridged Platinum Complexes. *Journal of the American Chemical Society*, **2018**, 140, 13056-13063	16.4	12

70	1,2-Halosilane vs. 1,2-alkylborane elimination from (boryl)(silyl) complexes of iron: switching between borylenes and silylenes just by changing the alkyl group. *Chemical Communications*, **2015**, 51, 15465-8	5.8	11
69	Metal-only Lewis pairs by reversible insertion of ruthenium and osmium fragments into metal-boron double bonds. *Angewandte Chemie - International Edition*, **2014**, 53, 4240-3	16.4	11
68	Hydridoborylene complexes and di-, tri-, and tetranuclear borido complexes with hydride ligands. *Chemistry - A European Journal*, **2013**, 19, 17608-12	4.8	11
67	THE ODD BIT OF CARBON. *Comments on Inorganic Chemistry*, **2010**, 31, 121-129	3.9	11
66	Borido complexes via intermetallic metalloborylene transfer. *Chemical Communications*, **2011**, 47, 9900-2	5.8	11
65	Twisting versus Delocalization in CAAC- and NHC-Stabilized Boron-Based Biradicals: The Roles of Sterics and Electronics. *Chemistry - A European Journal*, **2021**, 27, 5160-5170	4.8	11
64	Isolation and Reactivity of an Antiaromatic s-Block Metal Compound. *Angewandte Chemie - International Edition*, **2021**, 60, 3812-3819	16.4	11
63	Mild synthesis of diboryldiborenes by diboration of B-B triple bonds. *Chemical Science*, **2019**, 10, 7375-7378	9.4	10
62	Complete and partial 1,2-additions across transition metal-boron double bonds. *Journal of the American Chemical Society*, **2014**, 136, 9560-3	16.4	10
61	Monohaloboryls (BHX-) as bridging ligands: observable dinuclear μ-(halo)boranyl intermediates in the synthesis of metalloborylenes. *Chemistry - A European Journal*, **2012**, 18, 2327-34	4.8	10
60	η3-Furfuryl and η3-Thienyl Complexes of Palladium and Platinum of Relevance to the Functionalization of Biomass-Derived Furans. *Organometallics*, **2012**, 31, 5599-5605	3.8	10
59	Mixed-Metal Cluster Chemistry. 31.(1) Reactions of Dimolybdenumdiiridium Clusters with Alkylidyne Complexes. *Organometallics*, **2012**, 31, 2582-2588	3.8	10
58	The η3-Furfuryl Ligand: Plausible Catalytic Intermediates and Heterocyclic η3-Benzyl Analogues with Superior Binding Ability. *Organometallics*, **2010**, 29, 4431-4433	3.8	10
57	Synthese und Nachweis von Iminoboranen durch M=B/C=N-Bindungsmetathese. *Angewandte Chemie*, **2017**, 129, 8084-8089	3.6	9
56	Maximierung von koordinativer und elektronischer Ungesättigtheit: dreifach koordinierte dikationische Platinkomplexe. *Angewandte Chemie*, **2013**, 125, 3055-3058	3.6	9
55	Milde und vollständige Spaltung eines Carbonylliganden innerhalb eines einkernigen Übergangsmetallkomplexes. *Angewandte Chemie*, **2016**, 128, 5160-5164	3.6	9
54	Zweidimensional, aber nicht flach: Borophen – ein Graphen aus Bor – mit gewellter Struktur. *Angewandte Chemie*, **2016**, 128, 4948-4950	3.6	9
53	Steric Control between Neutral Metal-Only Lewis Pairs and Metal-Stabilized Gallenium and Gallinium Cations. *Organometallics*, **2016**, 35, 1002-1007	3.8	9

52	Isolation of a Reactive Cyclopropane Intermediate via a Unique Catalyst-Free Spontaneous Cyclopropanation Step at 0 °C. *Chemistry - A European Journal*, **2017**, 23, 5953-5956	4.8	8
51	Cyclization of a 1,4-diborabutadiene ligand with both atoms of CO. *Angewandte Chemie - International Edition*, **2015**, 54, 5065-8	16.4	8
50	Boron-Metallated Borirenes and Bis(Borirenes). *Chemistry - A European Journal*, **2016**, 22, 8596-602	4.8	8
49	Self-Assembly of Square-Planar Halide Complexes of Trimethylphosphine-Stabilized Diphenyl-Arsenium, -Stibenium, and -Bismuthenium Hexafluorophosphates. *Australian Journal of Chemistry*, **2016**, 69, 524	1.2	8
48	Steric Effects Dictate the Formation of Terminal Arylborylene Complexes of Ruthenium from Dihydroboranes. *Chemistry - A European Journal*, **2019**, 25, 13566-13571	4.8	8
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