

# Todd B Marder

## List of Publications by Citations

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386  
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27,593  
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151  
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442  
ext. papers

30,492  
ext. citations

7.8  
avg, IF

7.25  
L-index

#	Paper	IF	Citations
386	C-H activation for the construction of C-B bonds. <i>Chemical Reviews</i> , <b>2010</b> , 110, 890-931	68.1	2063
385	Applications of Three-Coordinate Organoboron Compounds and Polymers in Optoelectronics. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4574-4585	9.6	667
384	Boron chemistry lights the way: optical properties of molecular and polymeric systems. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2927-31	16.4	627
383	Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse. <i>Chemical Reviews</i> , <b>2016</b> , 116, 9091-161	68.1	618
382	Will we soon be fueling our automobiles with ammonia-borane?. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8116-8	16.4	577
381	Transition Metalminus signBoryl Compounds: Synthesis, Reactivity, and Structure. <i>Chemical Reviews</i> , <b>1998</b> , 98, 2685-2722	68.1	499
380	Manipulating Charge-Transfer Character with Electron-Withdrawing Main-Group Moieties for the Color Tuning of Iridium Electrophosphors. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 499-511	15.6	458
379	Recent developments in and perspectives on three-coordinate boron materials: a bright future. <i>Chemical Science</i> , <b>2017</b> , 8, 846-863	9.4	382
378	B-N versus C-C: how similar are they?. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 242-4	16.4	370
377	A facile route to aryl boronates: room-temperature, copper-catalyzed borylation of aryl halides with alkoxy diboron reagents. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5350-4	16.4	353
376	Formation of Aryl- and Benzylboronate Esters by Rhodium-Catalyzed C-H Bond Functionalization with Pinacolborane. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2168-2171	16.4	332
375	Transition metal catalysed diboration. <i>Topics in Catalysis</i> , <b>1998</b> , 5, 63-73	2.3	319
374	Alkylboronic esters from copper-catalyzed borylation of primary and secondary alkyl halides and pseudohalides. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 528-32	16.4	300
373	Boryl ligands and their roles in metal-catalysed borylation reactions. <i>Chemical Communications</i> , <b>2009</b> , 3987-95	5.8	296
372	Reactions of catecholborane with Wilkinson's catalyst: implications for transition metal-catalyzed hydroborations of alkenes. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 9350-9359	16.4	273
371	Die Borchemie leuchtet: optische Eigenschaften von Molekülen und Polymeren. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 3051	3.6	250
370	Trans influence of boryl ligands and comparison with C, Si, and SN ligands. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 9384-90	5.1	248

369	Experimental and theoretical studies of the photophysical properties of 2- and 2,7-functionalized pyrene derivatives. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 13349-62	16.4	229
368	Selective Ir-catalysed borylation of polycyclic aromatic hydrocarbons: structures of naphthalene-2,6-bis(boronate), pyrene-2,7-bis(boronate) and perylene-2,5,8,11-tetra(boronate) esters. <i>Chemical Communications</i> , <b>2005</b> , 2172-4	5.8	228
367	Synthesis and Characterization of Platinum(II)Bis(boryl) Catalyst Precursors for Diboration of Alkynes and Diynes: Molecular Structures of cis-[(PPh <sub>3</sub> ) <sub>2</sub> Pt(B-4-Butcat) <sub>2</sub> ], cis-[(PPh <sub>3</sub> ) <sub>2</sub> Pt(Bcat) <sub>2</sub> ], cis-[(dppe)Pt(Bcat) <sub>2</sub> ], cis-[(dppb)Pt(Bcat) <sub>2</sub> ], (E)-(4-MeOC <sub>6</sub> H <sub>4</sub> )C(Bcat)CH(Bcat), (Z)-(C <sub>6</sub> H <sub>5</sub> )C(Bcat)C(C <sub>6</sub> H <sub>5</sub> )(Bcat), and (Z,Z)-(4-MeOC <sub>6</sub> H <sub>4</sub> )C(Bcat)C(Bcat)C(Bcat)C(4-MeOC <sub>6</sub> H <sub>4</sub> )(Bcat)	3.8	213
366	Transition Metal Catalyzed Diboration of Vinylarenes. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 1336-1338	5, 5137-5154	211
365	Synthesis, crystal structures, linear and nonlinear optical properties, and theoretical studies of (p-R-phenyl)-, (p-R-phenylethynyl)-, and (E)-[2-(p-R-phenyl)ethenyl]dimesitylboranates and related compounds. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2758-71	4.8	207
364	DFT Studies on the Borylation of Unsaturated Carbonyl Compounds Catalyzed by Phosphine Copper(I) Boryl Complexes and Observations on the Interconversions between O- and C-Bound Enolates of Cu, B, and Si. <i>Organometallics</i> , <b>2008</b> , 27, 4443-4454	3.8	198
363	DFT Studies of Alkene Insertions into Cu-B Bonds in Copper(I) Boryl Complexes. <i>Organometallics</i> , <b>2007</b> , 26, 2824-2832	3.8	196
362	Ir-catalyzed borylation of C-H bonds in N-containing heterocycles: regioselectivity in the synthesis of heteroaryl boronate esters. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 489-91	16.4	186
361	Density functional theory studies on the mechanism of the reduction of CO <sub>2</sub> to CO catalyzed by copper(I) boryl complexes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15637-43	16.4	186
360	The synthesis and one- and two-photon optical properties of dipolar, quadrupolar and octupolar donor-acceptor molecules containing dimesitylboryl groups. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 198-208	4.8	184
359	Linear and Nonlinear Optical Properties of Three-Coordinate Organoboron Compounds. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 154, 5-12	3.3	182
358	sp <sup>2</sup> -sp <sup>3</sup> diboranes: astounding structural variability and mild sources of nucleophilic boron for organic synthesis. <i>Chemical Communications</i> , <b>2015</b> , 51, 9594-607	5.8	179
357	Zinc-catalyzed borylation of primary, secondary and tertiary alkyl halides with alkoxy diboron reagents at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1799-803	16.4	174
356	DFT studies on the mechanism of the diboration of aldehydes catalyzed by copper(I) boryl complexes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5586-94	16.4	174
355	Three coordinate phosphorus and boron as donor and acceptor moieties respectively, in conjugated organic molecules for nonlinear optics: crystal and molecular structures of E-Ph <sub>2</sub> CHCHB(mes) <sub>2</sub> , E-4-MeOC <sub>6</sub> H <sub>4</sub> CHCH-B(mes) <sub>2</sub> , and E-Ph <sub>2</sub> PCHCHB(mes) <sub>2</sub> [mes = 2,4,6-(CH <sub>3</sub> ) <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 1489-1492		171
354	Synthesis and second-order nonlinear optical properties of three coordinate organoboranes with diphenylphosphino and ferrocenyl groups as electron donors: crystal and molecular structures of (E)-D <sup>+</sup> CH <sup>+</sup> CH <sup>+</sup> B(mes) <sub>2</sub> and D <sup>+</sup> C <sup>+</sup> C <sup>+</sup> B(mes) <sub>2</sub> [D <sup>+</sup> = P(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> , (C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Fe(C <sub>5</sub> H <sub>4</sub> ); mes = 2,4,6-(CH <sub>3</sub> ) <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 449, 27-37	2.3	165
353	Requirement for an oxidant in Pd/Cu co-catalyzed terminal alkyne homocoupling to give symmetrical 1,4-disubstituted 1,3-diynes. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 703-6	4.2	164
352	Arene-perfluoroarene interactions in crystal engineering 8: structures of 1:1 complexes of hexafluorobenzene with fused-ring polyaromatic hydrocarbons. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1740-1746	3.6	163

- 351 Flexible coordination of indenyl ligands in sandwich complexes of transition metals. Molecular structures of  $[(\text{C}_9\text{R}_7)_2\text{M}]$  (M = Fe, R = H, Me; M = Co, Ni, R = H): Direct measurement of the degree of slip-fold distortion as a function of d-electron count. *Journal of Organometallic Chemistry*, **1990**, 394, 777-794 2.3 162
- 350 Third-order Nonlinear Optical Properties of Organoboron Compounds: Molecular Structures and Second Hyperpolarizabilities. *Applied Organometallic Chemistry*, **1996**, 10, 305-316 3.1 156
- 349 New homogeneous rhodium catalysts for the regioselective hydroboration of alkenes. *Journal of the American Chemical Society*, **1992**, 114, 8863-8869 16.4 154
- 348 New Bifunctional Perfluoroaryl Boranes. Synthesis and Reactivity of the ortho-Phenylene-Bridged Diboranes  $1,2\text{-}[\text{B}(\text{C}_6\text{F}_5)_2]_2\text{C}_6\text{X}_4$  (X = H, F) *Journal of the American Chemical Society*, **1999**, 121, 3244-3245 16.4 153
- 347 Synthesis of 2- and 2,7-functionalized pyrene derivatives: an application of selective C-H borylation. *Chemistry - A European Journal*, **2012**, 18, 5022-35 4.8 149
- 346 A re-evaluation of the photophysical properties of 1,4-bis(phenylethynyl)benzene: a model for poly(phenyleneethynylene). *Journal of the American Chemical Society*, **2002**, 124, 8280-4 16.4 148
- 345 Synthesis, Structure, and Reactivity of Anionic  $\text{sp}^2$ - $\text{sp}^3$  Diboron Compounds: Readily Accessible Boryl Nucleophiles. *Chemistry - A European Journal*, **2015**, 21, 7082-98 4.8 145
- 344 Transition-metal-catalyzed carbon-carbon bond formation via carbon-hydrogen activation. Intermolecular hydroacylation: the addition of aldehydes to alkenes. *Organometallics*, **1988**, 7, 1451-1453 3.8 142
- 343 Control of single crystal structure and liquid crystal phase behaviour via arene-perfluoroarene interactions *Chemical Communications*, **1999**, 2493-2494 5.8 140
- 342 Arene-perfluoroarene interactions in crystal engineering. Part 3. Single-crystal structures of 1 : 1 complexes of octafluoronaphthalene with fused-ring polyaromatic hydrocarbons. *New Journal of Chemistry*, **2001**, 25, 1410-1417 3.6 138
- 341 Nucleophile promoted degradation of catecholborane: consequences for transition metal-catalyzed hydroborations. *Inorganic Chemistry*, **1993**, 32, 2175-2182 5.1 138
- 340 Preparing (Multi)Fluoroarenes as Building Blocks for Synthesis: Nickel-Catalyzed Borylation of Polyfluoroarenes via C-F Bond Cleavage. *Journal of the American Chemical Society*, **2016**, 138, 5250-3 16.4 136
- 339 Boryliridium and boraethyliridium complexes  $\text{fac-}[\text{IrH}_2(\text{PMe}_3)_3(\text{BRR}')] \text{ and } \text{fac-}[\text{IrH}(\text{PMe}_3)_3(\eta^2\text{-CH}_2\text{BHRR}')] \text{. } \textit{Journal of the American Chemical Society}, **1990**, 112, 9399-9400 16.4 135$
- 338 Copper-mediated reduction of  $\text{CO}_2$  with  $\text{pinB-SiMe}_2\text{Ph}$  via  $\text{CO}_2$  insertion into a copper-silicon bond. *Journal of the American Chemical Society*, **2011**, 133, 19060-3 16.4 134
- 337 DFT Studies on the Effect of the Nature of the Aryl Halide  $\text{Y-C}_6\text{H}_4\text{-X}$  on the Mechanism of Its Oxidative Addition to  $\text{Pd}^0\text{L}$  versus  $\text{Pd}^0\text{L}_2$ . *Organometallics*, **2007**, 26, 758-760 3.8 133
- 336 Synthesis and structures of the first transition-metal tris(boryl) complexes: iridium complexes  $(\eta^6\text{-arene})\text{Ir}(\text{BO}_2\text{C}_6\text{H}_4)_3$ . *Journal of the American Chemical Society*, **1993**, 115, 9329-9330 16.4 132
- 335 Di-, tri-, pseudo-di- and pseudo-tetra-acetylenic polymers of platinum: Synthesis, characterization and optical spectra. *Journal of Organometallic Chemistry*, **1992**, 425, 165-176 2.3 131
- 334 Iridium-catalyzed C-H borylation of quinolines and unsymmetrical 1,2-disubstituted benzenes: insights into steric and electronic effects on selectivity. *Chemical Science*, **2012**, 3, 3505 9.4 129

333	Platinum catalysed 1,4-diboration of $\mu$ -unsaturated ketones. <i>Chemical Communications</i> , <b>1997</b> , 2051-2052	5.8	129
332	Rhodium catalysed dehydrogenative borylation of vinylarenes and 1,1-disubstituted alkenes without sacrificial hydrogenation—a route to 1,1-disubstituted vinylboronates. <i>Chemical Communications</i> , <b>2003</b> , 614-5	5.8	129
331	Investigation of two-photon absorption behavior in symmetrical acceptor-pi-acceptor derivatives with dimesitylboryl end-groups. Evidence of new engineering routes for TPA/transparency trade-off optimization. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 600-6	3.6	127
330	Synthesis and characterization of ferrocenyl and bis(ferrocenyl) alkynes and polyynes: crystal structure of 1,4-bis(ferrocenyl)butadiyne and third order nonlinear optical properties of 1,8-bis(ferrocenyl)octatetrayne. <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 452, 115-120	2.3	126
329	Lewis Acidic Borane Adducts of Pyridines and Stilbazoles for Nonlinear Optics. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 1355-1365	9.6	122
328	Structure and phase behavior of a 2:1 complex between arene- and fluoroarene-based conjugated rigid rods. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3061-3	16.4	119
327	Electron Delocalization in Reduced Forms of 2-(BMes <sub>2</sub> )pyrene and 2,7-Bis(BMes <sub>2</sub> )pyrene. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6750-3	16.4	118
326	Copper-catalyzed/promoted cross-coupling of gem-diborylalkanes with nonactivated primary alkyl halides: an alternative route to alkylboronic esters. <i>Organic Letters</i> , <b>2014</b> , 16, 6342-5	6.2	118
325	Optical and electronic properties of air-stable organoboron compounds with strongly electron-accepting bis(fluoromesityl)boryl groups. <i>Chemical Science</i> , <b>2015</b> , 6, 308-321	9.4	116
324	25 years of N-heterocyclic carbenes: activation of both main-group element-element bonds and NHCs themselves. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5880-95	4.3	112
323	Spectroscopic and structural characterization of the CyNHC adduct of B <sub>2</sub> pin <sub>2</sub> in solution and in the solid state. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 785-9	4.2	111
322	Highly electron-deficient and air-stable conjugated thienylboranes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9761-5	16.4	109
321	Structure and reactivity of a preactivated sp <sup>2</sup> -sp <sup>3</sup> diboron reagent: catalytic regioselective boration of $\mu$ -unsaturated conjugated compounds. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 3997-4007	4.2	109
320	Platinum catalysed 3,4- and 1,4-diboration of $\alpha,\beta$ -unsaturated carbonyl compounds using bis-pinacolatodiboron. <i>Chemical Communications</i> , <b>2004</b> , 1854-5	5.8	109
319	DFT Studies on the Carboxylation of Arylboronate Esters with CO <sub>2</sub> Catalyzed by Copper(I) Complexes. <i>Organometallics</i> , <b>2010</b> , 29, 917-927	3.8	108
318	Transition metal-catalyzed addition of catecholborane to $\alpha$ -substituted vinylarenes: hydroboration vs dehydrogenative borylation. <i>Organometallics</i> , <b>1993</b> , 12, 975-979	3.8	108
317	Synthesis of symmetric and unsymmetric 1,4-bis(p-R-phenylethynyl)benzenes via palladium/copper catalyzed cross-coupling and comments on the coupling of aryl halides with terminal alkynes. <i>Inorganica Chimica Acta</i> , <b>1994</b> , 220, 289-296	2.7	106
316	D-EA triarylboron compounds with tunable push-pull character achieved by modification of both the donor and acceptor moieties. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 177-90	4.8	105

- 315 Theoretical study of reaction pathways for the rhodium phosphine-catalysed borylation of C-H bonds with pinacolborane. *Dalton Transactions*, **2004**, 1556-62 4.3 105
- 314 Insertion of alkenes into rhodium-boron bonds. *Journal of the American Chemical Society*, **1993**, 115, 4367-4368 105
- 313 Novel Trityl Activators with New Weakly Coordinating Anions Derived from C<sub>6</sub>F<sub>4</sub>-1,2-[B(C<sub>6</sub>F<sub>5</sub>)<sub>2</sub>]<sub>2</sub>: Synthesis, Structures, and Olefin Polymerization Behavior. *Organometallics*, **2000**, 19, 1619-1621 3.8 103
- 312 Rhodium catalysed dehydrogenative borylation of alkenes: vinylboronates via C-H activation. *Dalton Transactions*, **2008**, 1055-64 4.3 102
- 311 Understanding the Higher Reactivity of B<sub>2</sub>cat<sub>2</sub> versus B<sub>2</sub>pin<sub>2</sub> in Copper(I)-Catalyzed Alkene Diboration Reactions. *Organometallics*, **2008**, 27, 1178-1186 3.8 102
- 310 Oxidative addition of B-B bonds by rhodium(I) phosphine complexes: molecular structures of B<sub>2</sub>cat<sub>2</sub> (cat = 1,2-O<sub>2</sub>C<sub>6</sub>H<sub>4</sub>) and its 4-But and 3,5-But<sub>2</sub> analogs. *Inorganic Chemistry*, **1994**, 33, 4623-4624 5.1 102
- 309 Metal-promoted insertion of an activated alkene into a boron-hydrogen bond of an exopolyhedral nido-rhodacarborane: rhodium-catalyzed hydroboration. *Journal of the American Chemical Society*, **1984**, 106, 5757-5759 16.4 102
- 308 Zinc-Catalyzed Dual C-X and C-H Borylation of Aryl Halides. *Angewandte Chemie - International Edition*, **2015**, 54, 11843-7 16.4 100
- 307 Rhodium catalysed diboration of unstrained internal alkenes and a new and general route to zwitterionic [L<sub>2</sub>Rh(κ<sup>-</sup>catBcat)] (cat = 1,2-O<sub>2</sub>C<sub>6</sub>H<sub>4</sub>) complexes. *Chemical Communications*, **1998**, 1983-1984 5.8 100
- 306 Microwave-accelerated iridium-catalyzed borylation of aromatic C-H bonds. *Organic Letters*, **2009**, 11, 3586-9 6.2 99
- 305 Second-Order Nonlinear Optical Properties of PushPull Bis(phenylethynyl)benzenes and Unsymmetric Platinum Bis(phenylacetylide) Complexes. *Chemistry of Materials*, **1997**, 9, 406-408 9.6 99
- 304 Synthesis and optical spectroscopy of linear long-chain di-terminal alkynes and their Pt-acetylide polymeric complexes. *Journal of Materials Chemistry*, **1994**, 4, 1227-1232 98
- 303 Metallocarboranes in catalysis. 3. Synthesis and reactivity of exo-nido-phosphinerhodacarboranes. *Journal of the American Chemical Society*, **1984**, 106, 2979-2989 16.4 98
- 302 Dibenzometallacyclopentadienes, boroles and selected transition metal and main group heterocyclopentadienes: Synthesis, catalytic and optical properties. *Coordination Chemistry Reviews*, **2010**, 254, 1950-1976 23.2 97
- 301 Accurate Molecular Structures of 16-Electron Rhodium Hydrido Boryl Complexes: Low-Temperature Single-Crystal X-ray and Neutron Diffraction and Computational Studies of [(PR<sub>3</sub>)<sub>2</sub>RhHCl(Boryl)] (Boryl = Bpin, Bcat). *Organometallics*, **2003**, 22, 4557-4568 3.8 97
- 300 Highly efficient monophosphine platinum catalysts for alkyne diboration. *Dalton Transactions RSC*, **2001**, 1650-1656 97
- 299 Formation of Aryl- and Benzylboronate Esters by Rhodium-Catalyzed C-H Bond Functionalization with Pinacolborane. *Angewandte Chemie*, **2001**, 113, 2226-2229 3.6 94
- 298 Arene-perfluoroarene interactions in crystal engineering: structural preferences in polyfluorinated tolans. *Journal of Materials Chemistry*, **2004**, 14, 413-420 91



297	Synthesis of mononuclear, dinuclear and oligomeric rigid-rod acetylide complexes of rhodium, and the molecular structure of $[\text{Rh}(\text{PMe}_3)_4(\text{CCl}_3\text{-C}_6\text{H}_4)_2\text{Rh}(\text{PMe}_3)_4]$ . <i>Journal of the Chemical Society Chemical Communications</i> , <b>1991</b> , 188-190		91
296	Sequential C-F activation and borylation of fluoropyridines via intermediate Rh(I) fluoropyridyl complexes: a multinuclear NMR investigation. <i>Chemical Communications</i> , <b>2007</b> , 3664-6	5.8	90
295	Rhodium(I) catalysed diboration of (E)-styrylboronate esters: molecular structures of (E)-p-MeOC <sub>6</sub> H <sub>4</sub> CH=CHB(1,2-O <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) and p-MeOC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> C(B(1,2-O <sub>2</sub> C <sub>6</sub> H <sub>4</sub> )) <sub>3</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 652, 77-85	2.3	90
294	Highly Efficient Synthesis of Alkylboronate Esters via Cu(II)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides in Air. <i>ACS Catalysis</i> , <b>2016</b> , 6, 8332-8335	13.1	88
293	Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 543-547	3.6	87
292	Reactions of catecholborane with phosphinorhodium complexes: molecular structures of $[\text{RhHCl}(\text{Bcat})(\text{PPr}_3)_2]$ and $[\{(\text{Pri}_2\text{PCH}_2)_2\text{Rh}\{(\text{B-cat})\text{Bcat}\}}](\text{cat} = 1,2\text{-O}_2\text{C}_6\text{H}_4)$ . <i>Journal of the Chemical Society Chemical Communications</i> , <b>1991</b> , 304-305		87
291	Selective Photocatalytic C-F Borylation of Polyfluoroarenes by Rh/Ni Dual Catalysis Providing Valuable Fluorinated Arylboronate Esters. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 17612-17623	16.4	87
290	Oxidative addition of boron-boron, boron-chlorine and boron-bromine bonds to platinum(0)1 Dedicated to Professor Ken Wade on the occasion of his 65th birthday and in recognition of his outstanding contributions to the understanding of the chemistry of boron.1. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 550, 183-192	2.3	86
289	Iridium-catalyzed C-H activation versus directed ortho metalation: complementary borylation of aromatics and heteroaromatics. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8155-61	4.8	85
288	Chemistry. Boron goes on the attack. <i>Science</i> , <b>2006</b> , 314, 69-70	33.3	85
287	Synthesis of icosahedral carboranes for second-harmonic generation. Part 2. <i>Journal of Materials Chemistry</i> , <b>1993</b> , 3, 139		85
286	Site-selective C-H borylation of quinolines at the C8 position catalyzed by a silica-supported phosphane-iridium system. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 434-8	4.5	82
285	Efficient synthesis of aryl boronates via zinc-catalyzed cross-coupling of alkoxy diboron reagents with aryl halides at room temperature. <i>Organic Letters</i> , <b>2014</b> , 16, 4562-5	6.2	81
284	Activation of. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3695-3698	16.4	81
283	Synthetic, structural, photophysical and computational studies of pi-conjugated bis- and tris-1,3,2-benzodiazaboroles and related bis(boryl) dithiophenes. <i>Dalton Transactions</i> , <b>2009</b> , 1339-51	4.3	78
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44	Base-Free Pd-Catalyzed C-Cl Borylation of Fluorinated Aryl Chlorides. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3869-3874	4.8	6
43	Convenient synthetic access to fluorescent rhodacyclopentadienes via ligand exchange reactions. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 847, 184-192	2.3	5
42	Mono- and Dianion of a Bis(benzobuta)tetraazapentacene Derivative. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9840-9845	4.8	5
41	Toward Transition-Metal-Templated Construction of Arylated B Chains by Dihydroborane Dehydrocoupling. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16544	4.8	5
40	Visible-light-driven graphene supported Cu/Pd alloy nanoparticle-catalyzed borylation of alkyl bromides and chlorides in air. <i>Journal of Catalysis</i> , <b>2021</b> , 395, 258-265	7.3	5
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31	Reactions of $(\text{C}_5\text{H}_7)\text{Rh}(\text{h}_2\text{-C}_2\text{H}_4)_2$ with quinones: molecular structure of $[(\text{C}_5\text{H}_7)\text{Rh}(\text{2,3,5,6-C}_6\text{O}_2(\text{CH}_3)_4)]$ . <i>Canadian Journal of Chemistry</i> , <b>1999</b> , 77, 199-204	0.9	4
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29	A new polymorph of dimesitylborinic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o2639-o2641		3
28	Synthesis, structure, and solution dynamics of indenyl rhodium complexes containing bulky phosphine ligands: molecular structures of $(\text{h}_5\text{-1-CH}_3\text{-C}_9\text{H}_6)\text{Rh}(\text{h}_2\text{-C}_2\text{H}_4)(\text{PCy}_3)$ (Cy = cyclohexyl) and $(\text{h}_5\text{-1-CH}_3\text{-C}_9\text{H}_6)\text{Rh}(\text{dcpe})$ (dcpe = $\text{Cy}_2\text{PCH}_2\text{CH}_2\text{PCy}_2$ ). <i>Canadian Journal of Chemistry</i> , <b>1999</b> , 77, 205-215	0.9	3

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