

Todd B Marder

List of Publications by Year in descending order

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406
papers

32,985
citations

2426

97
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5532

163
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442
all docs

442
docs citations

442
times ranked

14314
citing authors

#	ARTICLE	IF	CITATIONS
1	C-H Activation for the Construction of C-B Bonds. <i>Chemical Reviews</i> , 2010, 110, 890-931.	23.0	2,397
2	Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse. <i>Chemical Reviews</i> , 2016, 116, 9091-9161.	23.0	835
3	Applications of Three-Coordinate Organoboron Compounds and Polymers in Optoelectronics. <i>Chemistry of Materials</i> , 2004, 16, 4574-4585.	3.2	719
4	Boron Chemistry Lights the Way: Optical Properties of Molecular and Polymeric Systems C.D.E. thanks EPSRC for a postgraduate studentship and Syngenta for a postgraduate scholarship, and T.B.M. thanks the University of Durham for support and Prof. Dr. K. Tamao for a preprint of ref. 32.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2927.	7.2	703
5	Will We Soon Be Fueling our Automobiles with Ammonia-Borane?. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8116-8118.	7.2	613
6	Transition Metal-Boryl Compounds: Synthesis, Reactivity, and Structure. <i>Chemical Reviews</i> , 1998, 98, 2685-2722.	23.0	562
7	Recent developments in and perspectives on three-coordinate boron materials: a bright future. <i>Chemical Science</i> , 2017, 8, 846-863.	3.7	555
8	Manipulating Charge-Transfer Character with Electron-Withdrawing Main-Group Moieties for the Color Tuning of Iridium Electrophosphors. <i>Advanced Functional Materials</i> , 2008, 18, 499-511.	7.8	487
9	B-N versus C-C: How Similar Are They?. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 242-244.	7.2	438
10	A Facile Route to Aryl Boronates: Room-Temperature, Copper-Catalyzed Borylation of Aryl Halides with Alkoxy Diboron Reagents. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5350-5354.	7.2	390
11	Formation of Aryl- and Benzylboronate Esters by Rhodium-Catalyzed C-H Bond Functionalization with Pinacolborane. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2168-2171.	7.2	365
12	Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 528-532.	7.2	360
13	Transition metal catalysed diboration. <i>Topics in Catalysis</i> , 1998, 5, 63-73.	1.3	357
14	Reactions of catecholborane with Wilkinson's catalyst: implications for transition metal-catalyzed hydroborations of alkenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 9350-9359.	6.6	334
15	Boryl ligands and their roles in metal-catalysed borylation reactions. <i>Chemical Communications</i> , 2009, , 3987.	2.2	328
16	Experimental and Theoretical Studies of the Photophysical Properties of 2- and 2,7-Functionalized Pyrene Derivatives. <i>Journal of the American Chemical Society</i> , 2011, 133, 13349-13362.	6.6	284
17	Die Borchemie leuchtet: optische Eigenschaften von Molekülen und Polymeren C.D.E. dankt EPSRC und Syngenta für Postgraduierstipendien und T.B.M. der University of Durham für Unterstützung sowie Prof. Dr. K. Tamao für einen Vorabdruck von Lit. 32.. <i>Angewandte Chemie</i> , 2002, 114, 3051.	1.6	277
18	Trans Influence of Boryl Ligands and Comparison with C, Si, and Sn Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 9384-9390.	1.9	272

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19	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> , 2005, 2172.	2.2	254
20	Synthesis and Characterization of Platinum(II)-Bis(boryl) Catalyst Precursors for Diboration of Alkynes and Dienes: Molecular Structures of cis-[(PPh ₃) ₂ Pt(B-4-Butcat) ₂], cis-[(PPh ₃) ₂ Pt(Bcat) ₂], cis-[(dppe)Pt(Bcat) ₂], cis-[(dppb)Pt(Bcat) ₂], (E)-(4-MeOC ₆ H ₄)C(Bcat)CH(Bcat), (Z)-(C ₆ H ₅)C(Bcat)C(C ₆ H ₅)(Bcat), and (Z,Z)-(4-MeOC ₆ H ₄)C(Bcat)C(Bcat)C(Bcat)C(4-MeOC ₆ H ₄)(Bcat) (cat = 1,2-O ₂ C ₆ H ₄ ; dppe = 1,2-Bis(diphenylphosphino)ethane). <i>Journal of the American Chemical Society</i> , 2005, 127, 1489-1492.	1.1	251
21	Transition Metal Catalyzed Diboration of Vinylarenes. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1336-1338.	4.4	248
22	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
23	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> , 2006, 12, 2758-2771.	1.7	218
24	DFT Studies on the Borylation of α,β -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> , 2008, 27, 4443-4454.	1.1	210
25	DFT Studies of Alkene Insertions into Cu-B Bonds in Copper(I) Boryl Complexes. <i>Organometallics</i> , 2007, 26, 2824-2832.	1.1	209
26	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> , 2006, 45, 489-491.	7.2	206
27	Zinc-Catalyzed Borylation of Primary, Secondary and Tertiary Alkyl Halides with Alkoxy Diboron Reagents at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1799-1803.	7.2	204
28	Density Functional Theory Studies on the Mechanism of the Reduction of CO ₂ to CO Catalyzed by Copper(I) Boryl Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 15637-15643.	6.6	203
29	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> , 2009, 15, 198-208.	1.7	196
30	Linear and Nonlinear Optical Properties of Three-Coordinate Organoboron Compounds. <i>Journal of Solid State Chemistry</i> , 2000, 154, 5-12.	1.4	194
31	DFT Studies on the Mechanism of the Diboration of Aldehydes Catalyzed by Copper(I) Boryl Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 5586-5594.	6.6	193
32	Photoinduced Borylation for the Synthesis of Organoboron Compounds. <i>Chemical Reviews</i> , 2021, 121, 3561-3597.	23.0	188
33	Flexible coordination of indenyl ligands in sandwich complexes of transition metals. Molecular structures of [(η -C ₉ R ₇) ₂ 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. <i>Journal of Organometallic Chemistry</i> , 1990, 394, 777-794.	0.8	186
34	Synthesis of 2- and 7-Functionalized Pyrene Derivatives: An Application of Selective C-H Borylation. <i>Chemistry - A European Journal</i> , 2012, 18, 5022-5035.	1.7	185
35	Three coordinate phosphorus and boron as σ -donor and σ -acceptor moieties respectively, in conjugated organic molecules for nonlinear optics: crystal and molecular structures of E-Ph ₂ CH=CH-B(mes) ₂ , E-4-MeOC ₆ H ₄ CH=CH-B(mes) ₂ , and E-Ph ₂ CH=CH-B(mes) ₂ [mes = 2,4,6-Me ₃ C ₆ H ₂]. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, 1489-1492.	2.0	183
36	New homogeneous rhodium catalysts for the regioselective hydroboration of alkenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 8863-8869.	6.6	182

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37	Arene π -perfluoroarene interactions in crystal engineering 8: structures of 1 π :1 complexes of hexafluorobenzene with fused-ring polyaromatic hydrocarbons. <i>New Journal of Chemistry</i> , 2002, 26, 1740-1746.	1.4	181
38	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> , 2005, 70, 703-706.	1.7	181
39	New Bifunctional Perfluoroaryl Boranes. Synthesis and Reactivity of the ortho-Phenylene-Bridged Diboranes 1,2-[B(C ₆ F ₅) ₂]C ₆ H ₄ (X = H, F). <i>Journal of the American Chemical Society</i> , 1999, 121, 3244-3245.	6.6	179
40	Synthesis and second-order nonlinear optical properties of three coordinate organoboranes with diphenylphosphino and ferrocenyl groups as electron donors: crystal and molecular structures of		

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55	Copper-Mediated Reduction of CO ₂ with pinB-SiMe ₂ Ph via CO ₂ Insertion into a Copper-Silicon Bond. <i>Journal of the American Chemical Society</i> , 2011, 133, 19060-19063.	6.6	147
56	Copper-Catalyzed/Promoted Cross-coupling of <i>gem</i> -Diborylalkanes with Nonactivated Primary Alkyl Halides: An Alternative Route to Alkylboronic Esters. <i>Organic Letters</i> , 2014, 16, 6342-6345.	2.4	147
57	DFT Studies on the Effect of the Nature of the Aryl Halide Y-C ₆ H ₄ -X on the Mechanism of Its Oxidative Addition to Pd ⁰ L versus Pd ⁰ L ₂ . <i>Organometallics</i> , 2007, 26, 758-760.	1.1	146
58	Platinum catalysed 1,4-diboration of 1,2-unsaturated ketones. <i>Chemical Communications</i> , 1997, , 2051-2052.	2.2	144
59	25 years of N-heterocyclic carbenes: activation of both main-group element-element bonds and NHCs themselves. <i>Dalton Transactions</i> , 2016, 45, 5880-5895.	1.6	138
60	Lewis Acidic Borane Adducts of Pyridines and Stilbazoles for Nonlinear Optics. <i>Chemistry of Materials</i> , 1998, 10, 1355-1365.	3.2	134
61	Electron Delocalization in Reduced Forms of 2-(BMe ₂)pyrene and 2,7-Bis(BMe ₂)pyrene. <i>Journal of the American Chemical Society</i> , 2015, 137, 6750-6753.	6.6	134
62	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> , 1993, 452, 115-120.	0.8	131
63	Investigation of two-photon absorption behavior in symmetrical acceptor-acceptor derivatives with dimesitylboryl end-groups. Evidence of new engineering routes for TPA/transparency trade-off optimization. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 600-606.	1.3	131
64	Switching on and off Interlayer Correlations and Porosity in 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 12570-12581.	6.6	130
65	Optical and electronic properties of air-stable organoboron compounds with strongly electron-accepting bis(fluoromesityl)boryl groups. <i>Chemical Science</i> , 2015, 6, 308-321.	3.7	128
66	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> , 2018, 140, 17612-17623.	6.6	128
67	Highly Electron-Deficient and Air-Stable Conjugated Thienylboranes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9761-9765.	7.2	127
68	Transition metal-catalyzed addition of catecholborane to α -substituted vinylarenes: hydroboration vs dehydrogenative borylation. <i>Organometallics</i> , 1993, 12, 975-979.	1.1	125
69	Structure and Phase Behavior of a 2:1 Complex between Arene- and Fluoroarene-Based Conjugated Rigid Rods. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3061-3063.	7.2	125
70	D-A Triarylboron Compounds with Tunable Push-Pull Character Achieved by Modification of Both the Donor and Acceptor Moieties. <i>Chemistry - A European Journal</i> , 2015, 21, 177-190.	1.7	125
71	Insertion of alkenes into rhodium-boron bonds. <i>Journal of the American Chemical Society</i> , 1993, 115, 4367-4368.	6.6	123
72	Zinc-Catalyzed Dual C-X and C-H Borylation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11843-11847.	7.2	123

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73	Structure and Reactivity of a Preactivated $\text{sp}^2\text{-sp}^3$ Diboron Reagent: Catalytic Regioselective Boration of 1,1^2 -Unsaturated Conjugated Compounds. <i>Journal of Organic Chemistry</i> , 2011, 76, 3997-4007.	1.7	122
74	Spectroscopic and Structural Characterization of the CyNHC Adduct of $\text{B}^2\text{-pin}^2$ in Solution and in the Solid State. <i>Journal of Organic Chemistry</i> , 2012, 77, 785-789.	1.7	121
75	Metallacarboranes in catalysis. 3. Synthesis and reactivity of exo-nido-phosphinerhodacarboranes. <i>Journal of the American Chemical Society</i> , 1984, 106, 2979-2989.	6.6	120
76	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> , 1994, 220, 289-296.	1.2	120
77	Oxidative addition of B-B bonds by rhodium(I) phosphine complexes: molecular structures of B^2cat^2 (cat = 1,2-O ₂ C ₆ H ₄) and its 4-But and 3,5-But ₂ analogs. <i>Inorganic Chemistry</i> , 1994, 33, 4623-4624.	1.9	119
78	Highly Efficient Synthesis of Alkylboronate Esters via Cu(II)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides in Air. <i>ACS Catalysis</i> , 2016, 6, 8332-8335.	5.5	118
79	Metal-promoted insertion of an activated alkene into a boron-hydrogen bond of an exopolyhedral nido-rhodacarborane: rhodium-catalyzed hydroboration. <i>Journal of the American Chemical Society</i> , 1984, 106, 5757-5759.	6.6	117
80	Platinum catalyzed 3,4- and 1,4-diboration of 1,1^2 -unsaturated carbonyl compounds using bis-pinacolatodiboron. <i>Chemical Communications</i> , 2004, , 1854-1855.	2.2	116
81	DFT Studies on the Carboxylation of Arylboronate Esters with CO^2 Catalyzed by Copper(I) Complexes. <i>Organometallics</i> , 2010, 29, 917-927.	1.1	116
82	Novel Trityl Activators with New Weakly Coordinating Anions Derived from $\text{C}_6\text{F}_4\text{-1,2-[B(C}_6\text{F}_5)_2]_2$: Synthesis, Structures, and Olefin Polymerization Behavior. <i>Organometallics</i> , 2000, 19, 1619-1621.	1.1	113
83	Highly efficient monophosphine platinum catalysts for alkyne diboration. <i>Dalton Transactions RSC</i> , 2001, , 1650-1656.	2.3	112
84	Recent advances in asymmetric borylation by transition metal catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 13129-13188.	18.7	112
85	Microwave-Accelerated Iridium-Catalyzed Borylation of Aromatic C-H Bonds. <i>Organic Letters</i> , 2009, 11, 3586-3589.	2.4	111
86	Dibenzometallacyclopentadienes, boroles and selected transition metal and main group heterocyclopentadienes: Synthesis, catalytic and optical properties. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1950-1976.	9.5	111
87	Synthesis and optical spectroscopy of linear long-chain di-terminal alkynes and their Pt-acetylide polymeric complexes. <i>Journal of Materials Chemistry</i> , 1994, 4, 1227-1232.	6.7	110
88	Second-Order Nonlinear Optical Properties of Push-Pull Bis(phenylethynyl)benzenes and Unsymmetric Platinum Bis(phenylacetylide) Complexes. <i>Chemistry of Materials</i> , 1997, 9, 406-408.	3.2	110
89	Rhodium catalyzed dehydrogenative borylation of alkenes: Vinylboronates via C-H activation. <i>Dalton Transactions</i> , 2008, , 1055-1064.	1.6	109
90	Rhodium catalyzed diboration of unstrained internal alkenes and a new and general route to zwitterionic $[\text{L}_2\text{Rh}(\text{1-6-catBcat})]$ (cat = 1,2-O ₂ C ₆ H ₄) complexes. <i>Chemical Communications</i> , 1998, , 1983-1984.	2.2	108

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91	Understanding the Higher Reactivity of B ₂ cat ₂ versus B ₂ pin ₂ in Copper(I)-Catalyzed Alkene Diboration Reactions. <i>Organometallics</i> , 2008, 27, 1178-1186.	1.1	108
92	Theoretical study of reaction pathways for the rhodium phosphine-catalysed borylation of C-H bonds with pinacolborane. <i>Dalton Transactions</i> , 2004, , 1556-1562.	1.6	107
93	Synthesis of mononuclear, dinuclear and oligomeric rigid-rod acetylide complexes of rhodium, and the molecular structure of [Rh(PMe ₃) ₄ (C≡C-C ₆ H ₄ -C≡C)Rh(PMe ₃) ₄]. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 188-190.	2.0	102
94	Accurate Molecular Structures of 16-Electron Rhodium Hydrido Boryl Complexes: A Low-Temperature Single-Crystal X-ray and Neutron Diffraction and Computational Studies of [(PR ₃) ₂ RhHCl(Boryl)] (Boryl = Bpin, Bcat). <i>Organometallics</i> , 2003, 22, 4557-4568.	1.1	102
95	Iridium-Catalyzed C-H Activation versus Directed <i>ortho</i> Metalation: Complementary Borylation of Aromatics and Heteroaromatics. <i>Chemistry - A European Journal</i> , 2010, 16, 8155-8161.	1.7	102
96	Efficient Synthesis of Aryl Boronates via Zinc-Catalyzed Cross-Coupling of Alkoxy Diboron Reagents with Aryl Halides at Room Temperature. <i>Organic Letters</i> , 2014, 16, 4562-4565.	2.4	102
97	Rhodium(I) catalysed diboration of (E)-styrylboronate esters: molecular structures of (E)-p-MeO-C ₆ H ₄ -CH=CH-B(1,2-O ₂ C ₆ H ₄) and p-MeO-C ₆ H ₄ -CH ₂ {B(1,2-O ₂ C ₆ H ₄) ₃ }. <i>Journal of Organometallic Chemistry</i> , 2002, 652, 77-85.	0.8	101
98	Arene-perfluoroarene interactions in crystal engineering: structural preferences in polyfluorinated tolans. <i>Journal of Materials Chemistry</i> , 2004, 14, 413-420.	6.7	101
99	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> , 2014, 9, 434-438.	1.7	97
100	Oxidative addition of boron-boron, boron-chlorine and boron-bromine bonds to platinum(0) 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> , 1998, 550, 183-192.	0.8	95
101	Methodology and applications of the hexadehydro-Diels-Alder (HDDA) reaction. <i>Organic Chemistry Frontiers</i> , 2017, 4, 891-910.	2.3	95
102	Activation of [Cp ₂ ZrMe ₂] with New Perfluoroaryl Diboranes: Solution Chemistry and Ethylene Polymerization Behavior in the Presence of MeAl(BHT) ₂ . <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3695-3698.	7.2	94
103	Sequential C-F activation and borylation of fluoropyridines via intermediate Rh(i) fluoropyridyl complexes: a multinuclear NMR investigation. <i>Chemical Communications</i> , 2007, , 3664.	2.2	93
104	Reactions of catecholborane with phosphinorhodium complexes: molecular structures of [RhHCl(Bcat)(PPr ₃) ₂] and [{(Pri ₂ PCH ₂) ₂ }Rh{(i-6-cat)Bcat}](cat = 1,2-O ₂ C ₆ H ₄). <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 304-305.	2.0	92
105	Synthesis of icosahedral carboranes for second-harmonic generation. Part 2. <i>Journal of Materials Chemistry</i> , 1993, 3, 139.	6.7	92
106	Borylene-Based Direct Functionalization of Organic Substrates: Synthesis, Characterization, and Photophysical Properties of Novel π -Conjugated Borirenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 8989-8999.	6.6	90
107	Pyrene Molecular Orbital Shuffle Controlling Excited State and Redox Properties by Changing the Nature of the Frontier Orbitals. <i>Chemistry - A European Journal</i> , 2017, 23, 13164-13180.	1.7	90
108	CHEMISTRY: Boron Goes On the Attack. <i>Science</i> , 2006, 314, 69-70.	6.0	88

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109	Lewis Base Adducts of Diboron Compounds: Molecular Structures of [B ₂ (cat) ₂ (4-picoline)] and [B ₂ (cat) ₂ (4-picoline) ₂] (cat = 1,2-O ₂ C ₆ H ₄). <i>Inorganic Chemistry</i> , 1995, 34, 4290-4291.	1.9	87
110	Taming the beast: fluoromesityl groups induce a dramatic stability enhancement in boroles. <i>Chemical Science</i> , 2015, 6, 5922-5927.	3.7	86
111	Experimental and Theoretical Studies of Quadrupolar Oligothiophene-Cored Chromophores Containing Dimesitylboryl Moieties as π -Accepting End-Groups: Syntheses, Structures, Fluorescence, and One- and Two-Photon Absorption. <i>Chemistry - A European Journal</i> , 2014, 20, 13618-13635.	1.7	84
112	Platinum Catalysed Diboration of Terminal Alkenes with Chiral Diborane(4) Compounds. <i>Tetrahedron Letters</i> , 1998, 39, 155-158.	0.7	83
113	Reactions of hydroborating reagents with phosphinorhodium hydride complexes: molecular structures of a Rh ₂ B ₃ metallaborane cluster, an L ₂ Rh(η -2-H ₂ BR ₂) complex and a mixed valence Rh dimer containing a semi-bridging Bcat (cat=1,2-O ₂ C ₆ H ₄) group. <i>Polyhedron</i> , 2004, 23, 2665-2677.	1.0	83
114	Tuning the π -bridge of quadrupolar triarylborane chromophores for one- and two-photon excited fluorescence imaging of lysosomes in live cells. <i>Chemical Science</i> , 2019, 10, 5405-5422.	3.7	83
115	Structural Studies of Bis-Catecholate, Bis-Dithiocatecholate, and Tetraalkoxy Diborane(4) Compounds. <i>Inorganic Chemistry</i> , 1998, 37, 5289-5293.	1.9	82
116	Bifunctional Lewis Acids. Synthesis and Olefin Polymerization Chemistry of the 1,1-Di[bis(perfluorophenyl)boryl]alkenes RCHC[B(C ₆ F ₅) ₂] ₂ (R = t-Bu, C ₆ H ₅ , C ₆ F ₅). <i>Organometallics</i> , 1998, 17, 3557-3566.	1.1	82
117	Iridium-catalyzed C-H borylation of pyridines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7318.	1.5	82
118	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17137-17144.	7.2	82
119	The slip-fold distortion of π -bound indenyl ligands. Dynamic NMR and x-ray crystallographic studies of (η -indenyl)RhL ₂ complexes. <i>Organometallics</i> , 1987, 6, 2012-2014.	1.1	81
120	Organometallic Complexes for Nonlinear Optics. 45. Dispersion of the Third-Order Nonlinear Optical Properties of Triphenylamine-Cored Alkynylruthenium Dendrimers. <i>Advanced Materials</i> , 2009, 21, 2318-2322.	11.1	81
121	Syntheses, structures, two-photon absorption cross-sections and computed second hyperpolarisabilities of quadrupolar π -A systems containing E-dimesitylborylethenyl acceptors. <i>Journal of Materials Chemistry</i> , 2009, 19, 7532.	6.7	81
122	NHC Nickel-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions of Aryl Boronate Esters with Perfluorobenzenes. <i>Journal of Organic Chemistry</i> , 2016, 81, 5789-5794.	1.7	81
123	Persistent Room-Temperature Phosphorescence from Purely Organic Molecules and Multi-Component Systems. <i>Advanced Optical Materials</i> , 2021, 9, 2100411.	3.6	81
124	Reactions of Organoruthenium Phosphine Complexes with Hydroborating Reagents. <i>Journal of the American Chemical Society</i> , 1995, 117, 8777-8784.	6.6	80
125	Experimental and Theoretical Studies on Organic π -A Systems Containing Three-Coordinate Boron Moieties as both π -Donor and π -Acceptor. <i>Chemistry - A European Journal</i> , 2012, 18, 1369-1382.	1.7	80
126	Room Temperature Ring Expansion of N-Heterocyclic Carbenes and B \rightarrow B Bond Cleavage of Diboron(4) Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 9018-9021.	1.7	80

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