

Selection of boron reagents for Suzuki–Miyaura coupling

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Cu ^{II} and Cu ⁰ Catalyzed Mono Borylation of Unsaturated Hydrocarbons with B ₂ pin ₂ : Entering into the Water. <i>ChemCatChem</i> , 2014, 6, 2162-2174.	1.8	43
3	A Brief Overview of Recent Advances in the Applications of Boronic Acids Relevant to Glycomics. <i>Journal of Glycomics & Lipidomics</i> , 2014, 04, .	0.4	2
4	Enantioselective palladium catalyzed conjugate additions of ortho-substituted arylboronic acids to β,β -disubstituted cyclic enones: total synthesis of herbertenediol, enokipodin A and enokipodin B. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5883-5890.	1.5	48
5	Substituted 5,6,11,12-Tetrahydrodibenzo[<i>a</i> , <i>e</i>]cyclooctenes: Syntheses, Properties, and DFT Studies of Substituted Sondheimer-Wong Dienes. <i>Journal of Organic Chemistry</i> , 2014, 79, 11592-11608.	1.7	40
6	Efficient Cross-Coupling of Dioxazaborocanes with β -Phosphate Enamides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7889-7894.	1.2	8
7	Accurate Prediction of Ir-H Bond Dissociation Enthalpies by Density Functional Theory Methods. <i>Chinese Journal of Chemistry</i> , 2014, 32, 269-275.	2.6	12
8	A novel 4-aminoantipyrine-Pd(II) complex catalyzes Suzuki-Miyaura cross-coupling reactions of aryl halides. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2821-2826.	1.3	14
9	Site-Differentiated Polyboron Arenes Prepared by Direct C-H Borylation and Their Highly Selective Suzuki-Miyaura Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1822-1826.	7.2	61
10	Regio- and Stereocontrolled Access to β -Boronated Unsaturated Amino Esters and Derivatives from (<i>Z</i>)-Alkenyl 1,2-Bis(boronates). <i>Journal of Organic Chemistry</i> , 2014, 79, 783-789.	1.7	21
11	Reactivity of (NHC) ₂ FeX ₂ Complexes toward Arylborane Lewis Acids and Arylboronates. <i>Organometallics</i> , 2014, 33, 370-377.	1.1	25
12	Heterogeneous Pd catalysts supported on silica matrices. <i>RSC Advances</i> , 2014, 4, 65137-65162.	1.7	137
13	Chemoselective Boronic Ester Synthesis by Controlled Speciation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12077-12080.	7.2	50
14	A Planar-Chiral Phosphino(alkenyl)ferrocene for Suzuki-Miyaura C-C Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6676-6685.	1.2	32
15	Suzuki-Miyaura coupling of phosphinoyl- β -allenic alcohols with arylboronic acids catalyzed by a palladium complex ∞ on water: an efficient method to generate phosphinoyl 1,3-butadienes and derivatives. <i>RSC Advances</i> , 2014, 4, 61722-61726.	1.7	21
16	Progress in the Suzuki polycondensation of fluorene monomers. <i>RSC Advances</i> , 2014, 4, 57026-57034.	1.7	8
17	A combined experimental-computational study of benzoxaborole crystal structures. <i>CrystEngComm</i> , 2014, 16, 4999.	1.3	27
18	Mono-, Di-, and Triborylphosphine Analogues of Triarylphosphines. <i>Inorganic Chemistry</i> , 2014, 53, 7763-7769.	1.9	25
19	Sequential One-Pot Access to Molecular Diversity through Aniline Aqueous Borylation. <i>Journal of Organic Chemistry</i> , 2014, 79, 10568-10580.	1.7	33

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20	Heteroarylboronates in Rhodium-Catalyzed 1,4-Addition to Enones. <i>Organic Letters</i> , 2014, 16, 5212-5215.	2.4	32
21	[Pd(Phbz)(X)(PPh ₃)] palladacycles promote the base-free homocoupling of arylboronic acids in air at room temperature. <i>RSC Advances</i> , 2014, 4, 55305-55312.	1.7	18
22	Microwave-mediated synthesis of N-methyliminodiacetic acid (MIDA) boronates. <i>Tetrahedron</i> , 2014, 70, 9125-9131.	1.0	20
23	A sequential synthesis of substituted furans from aryl alkynes and ketones involving a cerium(IV) ammonium nitrate (CAN)-mediated oxidative cyclization. <i>Tetrahedron Letters</i> , 2014, 55, 5667-5670.	0.7	18
24	The Transmetalation Process in Suzuki-Miyaura Reactions: Calculations Indicate Lower Barrier via Boronate Intermediate. <i>ChemCatChem</i> , 2014, 6, 3132-3138.	1.8	68
25	Nickel(II) Benzimidazolin-2-ylidene Complexes with Thioether-Functionalized Side Chains as Catalysts for Suzuki-Miyaura Cross-Coupling. <i>Organometallics</i> , 2014, 33, 5845-5851.	1.1	36
26	Simple base-free Miyaura-type borylation of triarylantimony diacetates with tetra(alkoxo)diborons under aerobic conditions. <i>Journal of Organometallic Chemistry</i> , 2014, 765, 80-85.	0.8	7
27	Base-Promoted Protodeboronation of 2,6-Disubstituted Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2014, 79, 5365-5368.	1.7	93
28	Suzuki-Miyaura Coupling of Halophenols and Phenol Boronic Acids: Systematic Investigation of Positional Isomer Effects and Conclusions for the Synthesis of Phytoalexins from Pyrinae. <i>Journal of Organic Chemistry</i> , 2014, 79, 4104-4118.	1.7	59
29	Melamine and Melamine-Formaldehyde Polymers as Ligands for Palladium and Application to Suzuki-Miyaura Cross-Coupling Reactions in Sustainable Solvents. <i>Journal of Organic Chemistry</i> , 2014, 79, 2094-2104.	1.7	54
33	Ynamide Carbopalladation: A Flexible Route to Mono-, Bi- and Tricyclic Azacycles. <i>Chemistry - A European Journal</i> , 2015, 21, 12627-12639.	1.7	43
34	Iron-catalyzed Suzuki-Miyaura Coupling Reaction of Unactivated Alkyl Halides with Lithium Alkynylborates. <i>Chemistry Letters</i> , 2015, 44, 486-488.	0.7	32
35	Pd(II)-catalyzed Chelation-assisted Cross Dehydrogenative Coupling between Unactivated C(sp ³)-H Bonds in Aliphatic Amides and Benzylic C-H Bonds in Toluene Derivatives. <i>Chemistry Letters</i> , 2015, 44, 1365-1367.	0.7	34
36	Pd-Catalyzed Synthesis of Aryl Vinylphosphonates via Suzuki Arylation of Phosphonovinyl Nonaflates. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1119-1123.	2.6	13
37	Water-Soluble Palladium(II) Sulfonated Thiosemicarbazone Complexes: Facile Synthesis and Preliminary Catalytic Studies in the Suzuki-Miyaura Cross-Coupling Reaction in Water. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4088-4094.	1.0	21
38	Acetamidoarene diazonium Salts: Opportunities for Multiple Arene Functionalization. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5826-5841.	1.2	22
39	Palladium-Catalyzed Suzuki-Miyaura, Heck and Hydroarylation Reactions on Levoglucosenone and Application to the Synthesis of Chiral Butyrolactones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6999-7008.	1.2	25
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41	Oxidative homocoupling of arylboronic acids catalyzed by a 4-aminopyridine-Pd(II) complex. <i>Applied Organometallic Chemistry</i> , 2015, 29, 439-442.	1.7	12
42	Synthesis of Benzimidazole-Substituted Arylboronic Acids via Aerobic Oxidation of 1,2-Arylenediamines and Formyl-Substituted Aryl MIDA Boronates using Potassium Iodide as a Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2951-2956.	2.1	11
43	Synthesis of Magnaldehydes B and E and Dictyobiphenyl B by Microwave-Promoted Cross-Coupling of Boronophenols. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3760-3766.	1.2	7
44	Tandem Chemoselective Suzuki-Miyaura Cross-Coupling Enabled by Nucleophile Speciation Control. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9976-9979.	7.2	50
45	Intramolecular Aminoboration of Unfunctionalized Olefins. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12636-12639.	7.2	51
46	Reaction Optimization, Scalability, and Mechanistic Insight on the Catalytic Enantioselective Desymmetrization of 1,1-Diborylalkanes via Suzuki-Miyaura Cross-Coupling. <i>Chemistry - A European Journal</i> , 2015, 21, 19186-19194.	1.7	65
48	Suzuki-Miyaura Diversification of Amino Acids and Dipeptides in Aqueous Media. <i>ChemCatChem</i> , 2015, 7, 2055-2070.	1.8	31
49	From Minutes to Years: Predicting Organotrifluoroborate Solvolysis Rates. <i>Chemistry - A European Journal</i> , 2015, 21, 3924-3928.	1.7	45
50	An Efficient Total Synthesis of Mulberrofuran B and L. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2278-2283.	1.0	7
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52	Formal Dyotropic Rearrangements in Organometallic Transformations. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5897-5907.	1.2	39
54	Palladium complex containing two sterically hindered ligands as highly efficient catalyst for Suzuki-Miyaura reaction. <i>Applied Organometallic Chemistry</i> , 2015, 29, 829-833.	1.7	2
55	Weakly nucleophilic potassium aryltrifluoroborates in palladium-catalyzed Suzuki-Miyaura reactions: relative reactivity of $K[4\text{-RC}_6\text{F}_4\text{BF}_3]$ and the role of silver-assistance in acceleration of transmetalation. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 608-616.	1.3	17
56	Palladium-catalyzed ligand-free and efficient Suzuki-Miyaura reaction of N^{N} -methyliminodiacetic acid boronates in water. <i>Turkish Journal of Chemistry</i> , 2015, 39, 1208-1215.	0.5	5
57	Recent Applications of Phosphane-based Palladium Catalysts in Suzuki-Miyaura Reactions Involved in Total Syntheses of Natural Products. <i>Current Organic Chemistry</i> , 2015, 19, 1302-1409.	0.9	29
58	Direct introduction of a naphthalene-1,8-diamino boryl [B(dan)] group by a Pd-catalysed selective boryl transfer reaction. <i>Chemical Communications</i> , 2015, 51, 5656-5659.	2.2	75
59	Palladium-Catalyzed Regioselective Decarboxylative Alkylation of Arenes and Heteroarenes with Aliphatic Carboxylic Acids. <i>Organic Letters</i> , 2015, 17, 2598-2601.	2.4	63
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62	Synthesis of B,O,N-Doped Adamantanes and Diamantanes by Condensation of Oximes with Boronic Acids. <i>Journal of Organic Chemistry</i> , 2015, 80, 6728-6736.	1.7	14
63	An Umpolung Approach to Alkene Carboamination: Palladium Catalyzed 1,2-Amino-Acylation, -Carboxylation, -Arylation, -Vinylolation, and -Alkynylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 7224-7230.	6.6	174
64	Magnetic nanoparticle-supported Pd(II)-cryptand 22 complex: An efficient and reusable heterogeneous precatalyst in the Suzuki-Miyaura coupling and the formation of aryl-sulfur bonds. <i>Journal of Molecular Catalysis A</i> , 2015, 401, 55-65.	4.8	37
65	Palladium-Catalyzed One-Pot Reaction of Hydrazones, Dihaloarenes, and Organoboron Reagents: Synthesis and Cytotoxic Activity of 1,1-Diarylethylene Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 6715-6727.	1.7	28
66	Catalytic activity of new Pd(II)-complexes of bidentate N,N'-P(III)-ligands in Suzuki-Miyaura reaction. <i>Russian Chemical Bulletin</i> , 2015, 64, 909-913.	0.4	10
67	Highly nucleophilic dipropanolamine chelated boron reagents for aryl-transmetallation to iron complexes. <i>Dalton Transactions</i> , 2015, 44, 20577-20583.	1.6	12
68	Through the Maze: Cross-Coupling Pathways to a Helical Hexaphenyl π -Gel Molecule. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 786-801.	1.2	9
70	Enantioselective Desymmetrization via Carbonyl-Directed Catalytic Asymmetric Hydroboration and Suzuki-Miyaura Cross-Coupling. <i>Organic Letters</i> , 2015, 17, 940-943.	2.4	45
71	Synthesis of C ₄ -C ₅ Cycloalkyl-Fused and C ₆ -Modified Chromans via <i>ortho</i> -Quinone Methides. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1050-1064.	1.7	12
72	Ru-Catalysed C-H Arylation of Indoles and Pyrroles with Boronic Acids: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 5380-5386.	1.7	77
73	Applications of β -Phosphonovinyl Tosylates in the Synthesis of β -Arylethenylphosphonates via Suzuki-Miyaura Cross-Coupling Reactions. <i>Organic Letters</i> , 2015, 17, 798-801.	2.4	24
74	A modular synthesis of functionalised phenols enabled by controlled boron speciation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3093-3102.	1.5	23
75	Practical and efficient ipso-iodination of arylboronic acids via K ^F /I ₂ system. <i>Tetrahedron Letters</i> , 2015, 56, 1122-1123.	0.7	17
76	Ligand-Promoted Oxidative Cross-Coupling of Aryl Boronic Acids and Aryl Silanes by Palladium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4079-4082.	7.2	29
77	Palladium nanoparticles in catalytic carbon nanoreactors: the effect of confinement on Suzuki-Miyaura reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3918-3927.	5.2	36
78	Copper-Catalyzed C(sp ³) ³ -OH Cleavage with Concomitant C-C Coupling: Synthesis of 3-Substituted Isoindolinones. <i>Journal of Organic Chemistry</i> , 2015, 80, 1506-1516.	1.7	30
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81	Linchpin dienes: key building-blocks in the synthesis of polyenic frameworks. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4129-4142.	1.5	25
82	Nickel-Catalyzed C-Br/C-H Bis-phenylation of Methyl 4-Bromocrotonate: A Stereoselective Entry to Methyl (E)-3,4-Diphenylbut-2-enoate. <i>Synthetic Communications</i> , 2015, 45, 1799-1806.	1.1	5
83	A mild carbon-boron bond formation from diaryliodonium salts. <i>Chemical Communications</i> , 2015, 51, 14068-14071.	2.2	59
84	Suzuki-Miyaura Coupling Reactions of Conjunctive Reagents: 2-Borylated Allylic Sulfones. <i>Journal of Organic Chemistry</i> , 2015, 80, 8168-8174.	1.7	8
85	Palladium complexes containing ONO tridentate hydrazone for Suzuki-Miyaura coupling of aryl chlorides in aqueous-organic media. <i>RSC Advances</i> , 2015, 5, 59428-59436.	1.7	44
86	Organotrifluoroborates: Another Branch of the Mighty Oak. <i>Journal of Organic Chemistry</i> , 2015, 80, 7837-7848.	1.7	177
87	Mono- and di-cationic hydrido boron compounds. <i>Dalton Transactions</i> , 2015, 44, 14359-14367.	1.6	29
88	Boronic Acids and Derivatives: Probing the Structure-Activity Relationships for Mutagenicity. <i>Organic Process Research and Development</i> , 2015, 19, 1507-1516.	1.3	61
89	Recent Advances in the Synthesis of Triarylmethanes by Transition Metal Catalysis. <i>ACS Catalysis</i> , 2015, 5, 4734-4742.	5.5	160
90	Palladium-catalyzed ligand-free and efficient Suzuki-Miyaura reaction of heteroaryl halides with MIDA boronates in water. <i>RSC Advances</i> , 2015, 5, 54312-54315.	1.7	14
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93	Synthesis of Vinyl Boronates from Aldehydes by a Practical Boron-Wittig Reaction. <i>Organic Letters</i> , 2015, 17, 1708-1711.	2.4	189
94	In situ-generated nano-palladium-catalyzed ligand-free Suzuki-Miyaura reaction of potassium aryltrifluoroborates at room temperature. <i>Tetrahedron</i> , 2015, 71, 3954-3959.	1.0	15
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96	Synthesis of arylboronates by boron-induced ipso-deantimonation of triarylstibanes with boron trihalides and its application in one-pot two-step transmetalation/cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2015, 788, 9-16.	0.8	7
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99	Suzuki-Miyaura reaction by heterogeneously supported Pd in water: recent studies. <i>RSC Advances</i> , 2015, 5, 42193-42221.	1.7	123
100	A short, general, Suzuki-Miyaura coupling anchored approach to 3-alkenylbutenolides: total synthesis of akalactones A & B, hamabiwalactone B and ancepsenolide. <i>Tetrahedron</i> , 2015, 71, 3209-3215.	1.0	9
101	Facile synthesis of aryl-substituted pyridines via Suzuki-Miyaura approach. <i>Tetrahedron</i> , 2015, 71, 8943-8952.	1.0	27
102	Design of a Brønsted acid with two different acidic sites: synthesis and application of aryl phosphinic acid-phosphoric acid as a Brønsted acid catalyst. <i>Chemical Communications</i> , 2015, 51, 16976-16979.	2.2	10
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105	Boron-selective reactions as powerful tools for modular synthesis of diverse complex molecules. <i>Chemical Society Reviews</i> , 2015, 44, 8848-8858.	18.7	266
106	Palladium-catalyzed borylation of m-dibromobenzene derivative and its applications in one-pot tandem Suzuki-Miyaura arenes synthesis. <i>Tetrahedron</i> , 2015, 71, 8871-8875.	1.0	10
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108	Competing Mechanisms, Substituent Effects, and Regioselectivities of Nickel-Catalyzed [2 + 2 + 2] Cycloaddition between Carbonyne and Alkynes: A DFT Study. <i>Journal of Organic Chemistry</i> , 2015, 80, 9108-9117.	1.7	16
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110	Rhodium-catalysed asymmetric allylic arylation of racemic halides with arylboronic acids. <i>Nature Chemistry</i> , 2015, 7, 935-939.	6.6	80
111	Sterically Controlled Pd-Catalyzed Chemoselective Ketone Synthesis via N-C Cleavage in Twisted Amides. <i>Organic Letters</i> , 2015, 17, 4364-4367.	2.4	240
112	Gold-Catalyzed Proto- and Deuterodeboronation. <i>Journal of Organic Chemistry</i> , 2015, 80, 9807-9816.	1.7	28
113	Aza-Wittig Rearrangements of N-Benzyl and N-Allyl Glycine Methyl Esters. Discovery of a Surprising Cascade Aza-Wittig Rearrangement/Hydroboration Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 9041-9056.	1.7	20
114	Unsymmetrical 1,1-diborated multisubstituted sp ³ -carbons formed via a metal-free concerted-asynchronous mechanism. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9659-9664.	1.5	66
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117	Synthesis and Optoelectronic Properties of Janus-Dendrimer-Type Multivalent Donor-Acceptor Systems. <i>Journal of Organic Chemistry</i> , 2015, 80, 882-896.	1.7	43
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120	Suzuki-Miyaura coupling of arylboronic acids to gold(Au^{I}). <i>Chemical Science</i> , 2015, 6, 981-986.	3.7	33
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122	Protodeboronation of Heteroaromatic, Vinyl, and Cyclopropyl Boronic Acids: pH-Dependent Rate Profiles, Autocatalysis, and Disproportionation. <i>Journal of the American Chemical Society</i> , 2016, 138, 9145-9157.	6.6	262
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124	Highly Efficient Transition Metal Nanoparticle Catalysts in Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3091-3095.	7.2	130
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127	Excellent Suzuki-Miyauracatalytic activity of a new Pd(II) complex with sulfonamide-Schiff base ligand. <i>Applied Organometallic Chemistry</i> , 2016, 30, 519-523.	1.7	14
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129	Highly Efficient Transition Metal Nanoparticle Catalysts in Aqueous Solutions. <i>Angewandte Chemie</i> , 2016, 128, 3143-3147.	1.6	23
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136	Introduction, Interconversion and Removal of Boron Protecting Groups. <i>ACS Symposium Series</i> , 2016, , 357-377.	0.5	10
137	B-Protected Boronic Acids: Methodology Development and Strategic Application. <i>ACS Symposium Series</i> , 2016, , 379-413.	0.5	8
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Crystal structure of methyl

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