

# Dennis G Hall

## List of Publications by Year in descending order

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185  
papers

11,508  
citations

26630

56  
h-index

33894

99  
g-index

261  
all docs

261  
docs citations

261  
times ranked

8290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regiocontrolled synthesis of enantioenriched 2-substituted dehydropiperidines by stereospecific allyl-allyl cross-coupling of a chiral allylic boronate. <i>Chemical Communications</i> , 2022, 58, 1370-1373.	4.1	8
2	Recent Advances in the Luminescence of Arylboronic Acids and their Heteroatom Condensates. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	8
3	Biodistribution and Activity of EGFR Targeted Polymeric Micelles Delivering a New Inhibitor of DNA Repair to Orthotopic Colorectal Cancer Xenografts with Metastasis. <i>Molecular Pharmaceutics</i> , 2022, 19, 1825-1838.	4.6	5
4	Unraveling the Silent Hydrolysis of Cyclic B-X-C Isosteres: The Striking Impact of a Single Heteroatom on the Aromatic, Acidic, and Dynamic Properties of Hemiboronic Phenanthroids. <i>Journal of the American Chemical Society</i> , 2022, 144, 10570-10581.	13.7	3
5	Synthesis and Applications of $\beta$ -Aminoalkylboronic Acid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2209-2223.	4.3	22
6	Catalytic Enantioselective Synthesis of a <i>cis</i> - $\beta$ -Boronate Cyclobutylcarboxyester Scaffold and Its Highly Diastereoselective Nickel/Photoredox Dual-Catalyzed $C_{sp^3}$ - $C_{sp^2}$ Cross-Coupling to Access Elusive <i>trans</i> - $\beta$ -Aryl/Heteroaryl Cyclobutylcarboxyesters. <i>ACS Catalysis</i> , 2021, 11, 404-413.	11.2	23
7	Enantioselective Desymmetrization of 2-Aryl-1,3-propanediols by Direct <i>O</i> -Alkylation with a Rationally Designed Chiral Hemiboronic Acid Catalyst That Mitigates Substrate Conformational Poisoning. <i>Journal of the American Chemical Society</i> , 2021, 143, 4162-4167.	13.7	19
8	Lewis or Brønsted? A Rectification of the Acidic and Aromatic Nature of Boranol-Containing Naphthoid Heterocycles. <i>Journal of the American Chemical Society</i> , 2021, 143, 10143-10156.	13.7	15
9	A synthetically lethal nanomedicine delivering novel inhibitors of polynucleotide kinase $\beta$ -phosphatase (PNKP) for targeted therapy of PTEN-deficient colorectal cancer. <i>Journal of Controlled Release</i> , 2021, 334, 335-352.	9.9	8
10	Mechanism of the Palladium-Catalyzed Asymmetric Borylative Migration of Enol Perfluorosulfonates: Insights into an Enantiofacial-Selective Transmetalation. <i>ACS Catalysis</i> , 2021, 11, 8902-8914.	11.2	3
11	Nano-Delivery of a Novel Inhibitor of Polynucleotide Kinase/Phosphatase (PNKP) for Targeted Sensitization of Colorectal Cancer to Radiation-Induced DNA Damage. <i>Frontiers in Oncology</i> , 2021, 11, 772920.	2.8	6
12	<i>In Vivo</i> Targeting Using Arylboronate/Nopoldiol Click Conjugation. <i>Bioconjugate Chemistry</i> , 2020, 31, 2288-2292.	3.6	7
13	Diazoborylnaphthylketone: A New Scaffold with Bright Fluorescence, Aggregation-Induced Emission, and Application in the Quantitation of Trace Boronic Acids in Drug Intermediates. <i>Chemistry - A European Journal</i> , 2020, 26, 14324-14329.	3.3	5
14	Stereodivergent Asymmetric Synthesis of $\beta$ , $\beta'$ -Disubstituted $\beta$ -Aminoalkylboronic Acid Derivatives via Group-Selective Protodeboronation Enabling Access to the Elusive Anti Isomer. <i>Journal of the American Chemical Society</i> , 2020, 142, 9063-9069.	13.7	29
15	Design, synthesis and structure of a frustrated benzoxaborole and its applications in the complexation of amines, amino acids, and protein modification. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3492-3500.	2.8	4
16	Phenoxydialkoxy Borates as a New Class of Readily Prepared Preactivated Reagents for Base-Free Cross-Coupling. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6566-6570.	2.4	2
17	High-Throughput Ligand Screening Enables the Enantioselective Conjugate Borylation of Cyclobutenones to Access Synthetically Versatile Tertiary Cyclobutylboronates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18405-18409.	13.8	47
18	High-Throughput Ligand Screening Enables the Enantioselective Conjugate Borylation of Cyclobutenones to Access Synthetically Versatile Tertiary Cyclobutylboronates. <i>Angewandte Chemie</i> , 2019, 131, 18576-18580.	2.0	15

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19	Multiresponsive and Self-Healing Hydrogel via Formation of Polymer-Nanogel Interfacial Dynamic Benzoxaborole Esters at Physiological pH. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44742-44750.	8.0	35
20	In Situ Forming, Dual-Crosslink Network, Self-Healing Hydrogel Enabled by a Bioorthogonal Nopoldiol-Benzoxaborolate Click Reaction with a Wide pH Range. <i>Chemistry of Materials</i> , 2019, 31, 4092-4102.	6.7	64
21	Two-component boronic acid catalysis for increased reactivity in challenging Friedel-Crafts alkylations with deactivated benzylic alcohols. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6007-6014.	2.8	26
22	Boronic acid catalysis. <i>Chemical Society Reviews</i> , 2019, 48, 3475-3496.	38.1	170
23	Nanoencapsulation of Novel Inhibitors of PNKP for Selective Sensitization to Ionizing Radiation and Irinotecan and Induction of Synthetic Lethality. <i>Molecular Pharmaceutics</i> , 2018, 15, 2316-2326.	4.6	14
24	Injectable Self-Healing Zwitterionic Hydrogels Based on Dynamic Benzoxaborole-Sugar Interactions with Tunable Mechanical Properties. <i>Biomacromolecules</i> , 2018, 19, 596-605.	5.4	81
25	Scope and Mechanism of a True Organocatalytic Beckmann Rearrangement with a Boronic Acid/Perfluoropinacol System under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2018, 140, 5264-5271.	13.7	85
26	Synthesis of $\beta$ -hydroxyalkyl dehydroazepanes via catalytic enantioselective borylative migration of an enol nonaflate. <i>Tetrahedron Letters</i> , 2018, 59, 4334-4339.	1.4	8
27	Diastereocontrolled Monoprotodeboronation of $\beta$ -Sulfinimido $\alpha$ -Bis(boronates): A General and Stereoselective Route to $\beta$ -Disubstituted $\alpha$ -Aminoalkylboronates. <i>Angewandte Chemie</i> , 2018, 130, 10461-10465.	2.0	8
28	Diastereocontrolled Monoprotodeboronation of $\beta$ -Sulfinimido $\alpha$ -Bis(boronates): A General and Stereoselective Route to $\beta$ -Disubstituted $\alpha$ -Aminoalkylboronates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10304-10308.	13.8	44
29	Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. <i>ACS Macro Letters</i> , 2018, 7, 904-908.	4.8	149
30	Boronic Acids as Bioorthogonal Probes for Site-Selective Labeling of Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13028-13044.	13.8	85
31	BoronsÄuren als bioorthogonale Sonden für zentrenselektives Protein-Labeling. <i>Angewandte Chemie</i> , 2018, 130, 13210-13228.	2.0	15
32	Valdecoxib vs. borazavaldecoxib: isoxazole BN/CC isosterism as a case study in designing and stabilizing boron heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4849-4856.	2.8	6
33	Direct Sulfonamidation of Primary and Secondary Benzylic Alcohols Catalyzed by a Boronic Acid/Oxalic Acid System. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5729-5738.	2.4	23
34	Synergic Click-Boronate/Thiosemicarbazone System for Fast and Irreversible Bioorthogonal Conjugation in Live Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 14285-14291.	13.7	40
35	Fast and Tight Boronate Formation for Click Bioorthogonal Conjugation. <i>Angewandte Chemie</i> , 2016, 128, 3977-3981.	2.0	17
36	Fast and Tight Boronate Formation for Click Bioorthogonal Conjugation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3909-3913.	13.8	61

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37	Optimization and multigram scalability of a catalytic enantioselective borylative migration for the synthesis of functionalized chiral piperidines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4739-4748.	2.8	25
38	Characterization of the Dynamic Equilibrium between Closed and Open Forms of the Benzoxaborole Pharmacophore. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1097-1101.	2.8	22
39	Dual Catalysis Using Boronic Acid and Chiral Amine: Acyclic Quaternary Carbons via Enantioselective Alkylation of Branched Aldehydes with Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2016, 138, 10762-10765.	13.7	70
40	Multicomponent Hetero-[4 + 2] Cycloaddition/Allylboration Reaction: From Natural Product Synthesis to Drug Discovery. <i>Accounts of Chemical Research</i> , 2016, 49, 2489-2500.	15.6	105
41	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.	3.3	65
42	A multigram-scale lower E-factor procedure for MIBA-catalyzed direct amidation and its application to the coupling of alpha and beta aminoacids. <i>Green Chemistry</i> , 2015, 17, 4016-4028.	9.0	51
43	At the Forefront of the Suzuki-Miyaura Reaction: Advances in Stereoselective Cross-Couplings. <i>Topics in Organometallic Chemistry</i> , 2015, , 221-242.	0.7	16
44	A Surprising Substituent Effect Provides a Superior Boronic Acid Catalyst for Mild and Metal-Free Direct Friedel-Crafts Alkylations and Prenylations of Neutral Arenes. <i>Chemistry - A European Journal</i> , 2015, 21, 4218-4223.	3.3	62
45	Optimization of Reaction and Substrate Activation in the Stereoselective Cross-Coupling of Chiral 3,3-Diboronyl Amides. <i>Journal of Organic Chemistry</i> , 2015, 80, 7134-7143.	3.2	33
46	Unsymmetrical Diarylmethanes by Ferroceniumboronic Acid Catalyzed Direct Friedel-Crafts Reactions with Deactivated Benzylic Alcohols: Enhanced Reactivity due to Ion-Pairing Effects. <i>Journal of the American Chemical Society</i> , 2015, 137, 9694-9703.	13.7	126
47	Stereoselective and Regiodivergent Allylic Suzuki-Miyaura Cross-Coupling of 2-Ethoxydihydropyranyl Boronates: Synthesis and Confirmation of Absolute Stereochemistry of Diospongin B. <i>Organic Letters</i> , 2015, 17, 4156-4159.	4.6	31
48	Spatiotemporal Control of Synergistic Gel Disintegration Consisting of Boroxole- and Glyco-Based Polymers via Photoinduced Proton Transfer. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2323-2329.	2.6	28
49	A Pipeline for Screening Small Molecules with Growth Inhibitory Activity against <i>Burkholderia cenocepacia</i> . <i>PLoS ONE</i> , 2015, 10, e0128587.	2.5	24
50	Total Synthesis of Chinensiolide B. <i>Strategies and Tactics in Organic Synthesis</i> , 2014, 10, 79-112.	0.1	0
51	Synthesis of chiral heterocycles by ligand-controlled regiodivergent and enantiospecific Suzuki Miyaura cross-coupling. <i>Nature Communications</i> , 2014, 5, 5474.	12.8	49
52	Catalytic enantioselective diversity-oriented synthesis of a small library of polyhydroxylated pyrans inspired from thiomarinol antibiotics. <i>Molecular Diversity</i> , 2014, 18, 701-719.	3.9	4
53	Catalytic enantioselective allylboration of propargylic aldehydes. <i>Tetrahedron</i> , 2014, 70, 678-683.	1.9	13
54	Concise Synthesis and Antimalarial Activity of All Four Mefloquine Stereoisomers Using a Highly Enantioselective Catalytic Borylative Alkene Isomerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8069-8073.	13.8	68

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55	Solid-supported ortho-iodoarylboronic acid catalyst for direct amidation of carboxylic acids. <i>Tetrahedron Letters</i> , 2013, 54, 4475-4478.	1.4	25
56	Mild boronic acid catalyzed Nazarov cyclization of divinyl alcohols in tandem with Diels-Alder cycloaddition. <i>Tetrahedron Letters</i> , 2013, 54, 91-94.	1.4	34
57	Synthesis of the non-peptidic snail toxin 6-bromo-2-mercaptotryptamine dimer (BrMT) <sub>2</sub> , its lower and higher thio homologs and their ability to modulate potassium ion channels. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5503-5506.	2.2	6
58	Temperature, pH, and Glucose Responsive Gels via Simple Mixing of Boroxole- and Glyco-Based Polymers. <i>ACS Macro Letters</i> , 2013, 2, 260-264.	4.8	113
59	Stereoselective Preparation of $\beta$ -Aryl- $\beta$ -Boronyl Enoates and Their Copper-Catalyzed Enantioselective Conjugate Reduction. <i>Organic Letters</i> , 2012, 14, 4462-4465.	4.6	26
60	Catalytic enantioselective transformations of borylated substrates: Preparation and synthetic applications of chiral alkylboronates. <i>Pure and Applied Chemistry</i> , 2012, 84, 2263-2277.	1.9	41
61	Conjugation of Quinones with Natural Polyamines: Toward an Expanded Antitrypanosomatid Profile. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10490-10500.	6.4	34
62	Ring Structure and Aromatic Substituent Effects on the p <i>K<sub>a</sub></i> of the Benzoxaborole Pharmacophore. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 48-52.	2.8	109
63	Direct Amidation of Carboxylic Acids Catalyzed by <i>ortho</i> -Iodo Arylboronic Acids: Catalyst Optimization, Scope, and Preliminary Mechanistic Study Supporting a Peculiar Halogen Acceleration Effect. <i>Journal of Organic Chemistry</i> , 2012, 77, 8386-8400.	3.2	193
64	Synthetic Studies Towards the Core Tricyclic Ring System of Pradimicin A. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4153-4163.	2.4	16
65	Boronic Acid Catalysis as a Mild and Versatile Strategy for Direct Carbo- and Heterocyclizations of Free Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6187-6190.	13.8	88
66	Preparation of chiral secondary boronic esters via copper-catalyzed enantioselective conjugate reduction of $\beta$ -boronyl- $\beta$ -alkyl $\alpha,\beta$ -unsaturated esters. <i>Tetrahedron</i> , 2012, 68, 3428-3434.	1.9	20
67	Mild and selective boronic acid catalyzed 1,3-transposition of allylic alcohols and Meyer-Schuster rearrangement of propargylic alcohols. <i>Chemical Science</i> , 2011, 2, 1305.	7.4	100
68	Enantioselective preparation and chemoselective cross-coupling of 1,1-diboron compounds. <i>Nature Chemistry</i> , 2011, 3, 894-899.	13.6	385
69	Label-free detection of enhanced saccharide binding at pH 7.4 to nanoparticulate benzoboroxole based receptor units. <i>Journal of Molecular Recognition</i> , 2011, 24, 953-959.	2.1	35
70	Molecular imprinting of fructose using a polymerizable benzoboroxole: Effective complexation at pH 7.4. <i>Polymer</i> , 2011, 52, 2485-2491.	3.8	31
71	Gold-catalyzed cycloisomerization reactions of boronated enynes. <i>Tetrahedron Letters</i> , 2011, 52, 321-324.	1.4	16
72	Boronic Acid Catalysis for Mild and Selective [3+2] Dipolar Cycloadditions to Unsaturated Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2010, 16, 5454-5460.	3.3	95

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73	Design, Synthesis, and Screening of a Library of Peptidyl Bis(Boroxoles) as Oligosaccharide Receptors in Water: Identification of a Receptor for the Tumor Marker TF $\alpha$ -Antigen Disaccharide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1492-1495.	13.8	173
74	Multistep Phase-Switch Synthesis by Using Liquid-Liquid Partitioning of Boronic Acids: Productive Tags with an Expanded Repertoire of Compatible Reactions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2883-2887.	13.8	46
75	Fragmentation Enables Complexity in the First Total Synthesis of Vinigrol. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2286-2288.	13.8	28
76	Mild and efficient boronic acid catalysis of Diels-Alder cycloadditions to 2-alkynoic acids. <i>Tetrahedron Letters</i> , 2010, 51, 3561-3564.	1.4	54
77	Zirconium-catalyzed Nagata reaction for the synthesis of 2-aryl-1,3,2-aryldioxaborins via a mild three-component condensation of phenols, aldehydes, and boronic acid. <i>Tetrahedron Letters</i> , 2010, 51, 4256-4259.	1.4	15
78	Mechanism of Action of an Imidopiperidine Inhibitor of Human Polynucleotide Kinase/Phosphatase. <i>Journal of Biological Chemistry</i> , 2010, 285, 2351-2360.	3.4	40
79	Advances in 2-(Alkoxy-carbonyl)allylboration of Carbonyl Compounds and Other Direct Methods for the Preparation of $\pm$ -Exo-Alkylidene $\beta^3$ -Lactones. <i>Synthesis</i> , 2010, 2010, 893-907.	2.3	8
80	Chiral Boronate Derivatives via Catalytic Enantioselective Conjugate Addition of Grignard Reagents on 3-Boronyl Unsaturated Esters and Thioesters. <i>Journal of the American Chemical Society</i> , 2010, 132, 5544-5545.	13.7	93
81	Stereoselective Preparation of Oxygenated Heterocycles Using Stereocontrolled Tandem Double-Allylation of Carbonyl Compounds with a Boron-Silicon Reagent. <i>Heterocycles</i> , 2010, 80, 1449.	0.7	4
82	Mild Silver(I)-Mediated Regioselective Iodination and Bromination of Arylboronic Acids. <i>Organic Letters</i> , 2010, 12, 2480-2483.	4.6	60
83	Total Synthesis of (+)-Chinensiolide B via Tandem Allylboration/Lactonization. <i>Journal of the American Chemical Society</i> , 2010, 132, 1488-1489.	13.7	55
84	Identification of a Small Molecule Inhibitor of the Human DNA Repair Enzyme Polynucleotide Kinase/Phosphatase. <i>Cancer Research</i> , 2009, 69, 7739-7746.	0.9	73
85	Synthesis and preliminary antibacterial evaluation of simplified thiomarinol analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1006-1017.	3.0	19
86	Rationally Improved Chiral Brønsted Acid for Catalytic Enantioselective Allylboration of Aldehydes with an Expanded Reagent Scope. <i>Journal of Organic Chemistry</i> , 2009, 74, 4236-4241.	3.2	91
87	Natural Product Synthesis Using Multicomponent Reaction Strategies. <i>Chemical Reviews</i> , 2009, 109, 4439-4486.	47.7	1,492
88	Diversity-Oriented Synthesis and Preliminary Biological Screening of Highly Substituted Five-Membered Lactones and Lactams Originating From an Allylboration of Aldehydes and Imines. <i>ACS Combinatorial Science</i> , 2009, 11, 155-168.	3.3	54
89	$\pm$ -Hydroxyalkyl Heterocycles via Chiral Allylic Boronates: Pd-Catalyzed Borylation Leading to a Formal Enantioselective Isomerization of Allylic Ether and Amine. <i>Journal of the American Chemical Society</i> , 2009, 131, 9612-9613.	13.7	82
90	Catalytic Asymmetric Synthesis of Palmerolide A via Organoboron Methodology. <i>Journal of the American Chemical Society</i> , 2009, 131, 14216-14217.	13.7	73

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91	Chiral $\hat{\pm}$ -substituted allylboronates in a one-pot three-component asymmetric allylic alkylation/carbonyl allylation reaction sequence " Applications to the syntheses of (+)-(3 <i>R</i> ,5 <i>R</i> )-3-hydroxy-5-decanolide and ( $\hat{-}$ )-massoialactone. <i>Canadian Journal of Chemistry</i> , 2009, 87, 650-661.	1.1	22
92	Direct and Waste-Free Amidations and Cycloadditions by Organocatalytic Activation of Carboxylic Acids at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2876-2879.	13.8	348
93	Synthetic studies toward the pyran core and the amide side chain of psymberin. <i>Tetrahedron Letters</i> , 2008, 49, 6061-6064.	1.4	17
94	Imine allylation using 2-alkoxycarbonyl allylboronates as an expedient three-component reaction to polysubstituted $\hat{\pm}$ -exo-methylene- $\hat{3}$ -lactams. <i>Tetrahedron Letters</i> , 2008, 49, 6995-6998.	1.4	33
95	Benzoboroxoles as Efficient Glycopyranoside-Binding Agents in Physiological Conditions: Structure and Selectivity of Complex Formation. <i>Journal of Organic Chemistry</i> , 2008, 73, 6471-6479.	3.2	214
96	Catalytic Enantioselective Allyl- and Crotylboration of Aldehydes Using Chiral Diol- $\text{SnCl}_4$ Complexes. Optimization, Substrate Scope and Mechanistic Investigations. <i>Journal of the American Chemical Society</i> , 2008, 130, 8481-8490.	13.7	164
97	Convenient Preparation of Cycloalkenyl Boronic Acid Pinacol Esters. <i>Synthetic Communications</i> , 2008, 38, 3984-3995.	2.1	8
98	New preparative methods for allylic boronates and their application in stereoselective catalytic allylboration. <i>Pure and Applied Chemistry</i> , 2008, 80, 913-927.	1.9	42
99	A small-molecule compound identified through a cell-based screening inhibits JAK/STAT pathway signaling in human cancer cells. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2672-2680.	4.1	39
100	Synthesis, Decoding, and Preliminary Screening of a Bead-Supported Split-Pool Library of Triboronic Acid Receptors for Complex Oligosaccharides. <i>Australian Journal of Chemistry</i> , 2007, 60, 824.	0.9	16
101	Lewis and Brønsted Acid Catalyzed Allylboration of Carbonyl Compounds: From Discovery to Mechanism and Applications. <i>Synlett</i> , 2007, 2007, 1644-1655.	1.8	202
102	Preparation of a $C_2$ -Symmetric Binol-Derived Diol and Its Application in the Catalytic Enantioselective and Catalyst-Controlled Diastereoselective Allylboration of Aldehydes. <i>Synthesis</i> , 2007, 2007, 3421-3426.	2.3	4
103	Triflic Acid-Catalyzed Additions of 2-Alkoxycarbonyl Allylboronates to Aldehydes. Study of Scope and Mechanistic Investigation of the Reaction Stereochemistry. <i>Journal of Organic Chemistry</i> , 2007, 72, 1276-1284.	3.2	65
104	Optimization of Three- and Four-Component Reactions for Polysubstituted Piperidines: Application to the Synthesis and Preliminary Biological Screening of a Prototype Library. <i>ACS Combinatorial Science</i> , 2007, 9, 695-703.	3.3	22
105	Simple, Stable, and Versatile Double-Allylation Reagents for the Stereoselective Preparation of Skeletally Diverse Compounds. <i>Journal of the American Chemical Society</i> , 2007, 129, 3070-3071.	13.7	96
106	Catalytic Enantioselective Preparation of $\hat{\pm}$ -Substituted Allylboronates: One-Pot Addition to Functionalized Aldehydes and a Route to Chiral Allylic Trifluoroborate Reagents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5913-5915.	13.8	155
107	Preparation of $\hat{\pm}$ -substituted allylboronates by chemoselective iridium-catalyzed asymmetric allylic alkylation of 1-propenylboronates. <i>Tetrahedron Letters</i> , 2007, 48, 3305-3309.	1.4	55
108	Phase-Switch Synthesis with Boronic Acids as Productive Tags. <i>ACS Combinatorial Science</i> , 2007, 9, 193-196.	3.3	29

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109	Coupling Reactions of Areneboronic Acids or Esters with Aromatic Electrophiles. , 2006, , 123-170.		9
110	Nucleophilic Addition Reactions of Aryl and Alkenylboronic Acids and Their Derivatives to Imines and Iminium Ions. , 2006, , 279-304.		9
111	Recent Advances in Copper-Promoted C-Heteroatom Bond Cross-Coupling Reactions with Boronic Acids and Derivatives. , 2006, , 205-240.		23
112	Structure, Properties, and Preparation of Boronic Acid Derivatives. Overview of Their Reactions and Applications. , 2006, , 1-99.		64
113	An Improved Class of Sugar-Binding Boronic Acids, Soluble and Capable of Complexing Glycosides in Neutral Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 4226-4227.	13.7	393
114	Metal-Catalyzed Borylation of Alkanes and Arenes via C-H Activation for Synthesis of Boronic Esters. , 2006, , 101-121.		5
115	Rhodium-Catalyzed Additions of Boronic Acids to Alkenes and Carbonyl Compounds. , 2006, , 171-203.		9
116	Screening of a Combinatorial Library of Synthetic Polyamines Displaying Selectivity in Multiple Ion-Pairing Interactions with Model Polyanionic Compounds in Aqueous Organic Solutions. <i>ACS Combinatorial Science</i> , 2006, 8, 551-561.	3.3	2
117	Organoboronic Acids and Organoboronic Acids as Brønsted-Lewis Acid Catalysts in Organic Synthesis. , 2006, , 377-409.		3
118	Biological and Medicinal Applications of Boronic Acids. , 2006, , 481-512.		26
119	Oxazaborolidines as Asymmetric Inducers for the Reduction of Ketones and Ketimines. , 2006, , 411-439.		5
120	Catalytic Enantioselective Three-Component Hetero-[4+2] Cycloaddition/Allylboration Approach to $\beta$ -Hydroxyalkyl Pyrans: Scope, Limitations, and Mechanistic Proposal. <i>Chemistry - A European Journal</i> , 2006, 12, 3132-3142.	3.3	75
121	Catalytic Enantioselective and Catalyst-Controlled Diastereofacial-Selective Additions of Allyl- and Crotylboronates to Aldehydes Using Chiral Brønsted Acids. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2426-2428.	13.8	115
122	Boronic Acid-Based Receptors and Sensors for Saccharides. , 2006, , 441-479.		14
123	( $\beta$ -Haloalkyl)boronic Esters in Asymmetric Synthesis. , 2006, , 305-342.		14
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