

Binghe Wang

List of Publications by Year in descending order

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332
papers

15,527
citations

23500

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433
all docs

433
docs citations

433
times ranked

14263
citing authors

#	ARTICLE	IF	CITATIONS
1	A detailed examination of boronic acid-diols complexation. <i>Tetrahedron</i> , 2002, 58, 5291-5300.	1.0	1,286
2	The relationship among pKa, pH, and binding constants in the interactions between boronic acids and diols—it is not as simple as it appears. <i>Tetrahedron</i> , 2004, 60, 11205-11209.	1.0	639
3	A Fluorescent Probe for Fast and Quantitative Detection of Hydrogen Sulfide in Blood. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9672-9675.	7.2	592
4	Boronic acid compounds as potential pharmaceutical agents. <i>Medicinal Research Reviews</i> , 2003, 23, 346-368.	5.0	443
5	Alizarin Red S. as a general optical reporter for studying the binding of boronic acids with carbohydrates. <i>Chemical Communications</i> , 2001, , 1608-1609.	2.2	319
6	14-3-3 β Binds a Phosphorylated Raf Peptide and an Unphosphorylated Peptide via Its Conserved Amphipathic Groove. <i>Journal of Biological Chemistry</i> , 1998, 273, 16305-16310.	1.6	311
7	Boronic Acid-Based Sensors. <i>Current Organic Chemistry</i> , 2002, 6, 1285-1317.	0.9	262
8	Carbohydrate recognition by boronolactins, small molecules, and lectins. <i>Medicinal Research Reviews</i> , 2010, 30, 171-257.	5.0	262
9	Thiol Reactive Probes and Chemosensors. <i>Sensors</i> , 2012, 12, 15907-15946.	2.1	246
10	Progress in Boronic Acid-Based Fluorescent Glucose Sensors. <i>Journal of Fluorescence</i> , 2004, 14, 481-489.	1.3	220
11	Enrichment-triggered prodrug activation demonstrated through mitochondria-targeted delivery of doxorubicin and carbon monoxide. <i>Nature Chemistry</i> , 2018, 10, 787-794.	6.6	218
12	Click and release: bioorthogonal approaches to on-demand activation of prodrugs. <i>Chemical Society Reviews</i> , 2019, 48, 1077-1094.	18.7	210
13	Inhibitors and antagonists of bacterial quorum sensing. <i>Medicinal Research Reviews</i> , 2009, 29, 65-124.	5.0	201
14	Boronolactins and fluorescent boronolactins: An examination of the detailed chemistry issues important for the design. <i>Medicinal Research Reviews</i> , 2005, 25, 490-520.	5.0	181
15	Clicking 1,2,4,5-tetrazine and cyclooctynes with tunable reaction rates. <i>Chemical Communications</i> , 2012, 48, 1736-1738.	2.2	166
16	Toward Carbon Monoxide-Based Therapeutics: Critical Drug Delivery and Developability Issues. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 406-416.	1.6	147
17	Esterase-Sensitive Prodrugs with Tunable Release Rates and Direct Generation of Hydrogen Sulfide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4514-4518.	7.2	145
18	A glucose-selective fluorescence sensor based on boronic acid-diols recognition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3373-3377.	1.0	144

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19	The First Fluorescent Diboronic Acid Sensor Specific for Hepatocellular Carcinoma Cells Expressing Sialyl Lewis X. <i>Chemistry and Biology</i> , 2004, 11, 439-448.	6.2	138
20	Building Fluorescent Sensors by Template Polymerization: The Preparation of a Fluorescent Sensor for Fructose. <i>Organic Letters</i> , 1999, 1, 1209-1212.	2.4	131
21	The mechanisms of boronate ester formation and fluorescent turn-on in ortho-aminomethylphenylboronic acids. <i>Nature Chemistry</i> , 2019, 11, 768-778.	6.6	131
22	Toward Hydrogen Sulfide Based Therapeutics: Critical Drug Delivery and Developability Issues. <i>Medicinal Research Reviews</i> , 2018, 38, 57-100.	5.0	130
23	Diboronic acids as fluorescent probes for cells expressing sialyl lewis X. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2175-2177.	1.0	128
24	CYLD negatively regulates transforming growth factor- β -signalling via deubiquitinating Akt. <i>Nature Communications</i> , 2012, 3, 771.	5.8	128
25	Selecting Aptamers for a Glycoprotein through the Incorporation of the Boronic Acid Moiety. <i>Journal of the American Chemical Society</i> , 2008, 130, 12636-12638.	6.6	126
26	Study of the Mechanism of Electron-Transfer Quenching by Boron-Nitrogen Adducts in Fluorescent Sensors. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12942-12948.	1.2	122
27	Click and Release: A Chemical Strategy toward Developing Gasotransmitter Prodrugs by Using an Intramolecular Diels-Alder Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15846-15851.	7.2	121
28	Strategies toward Organic Carbon Monoxide Prodrugs. <i>Accounts of Chemical Research</i> , 2018, 51, 1377-1385.	7.6	120
29	Hypoxia inducible factor pathway inhibitors as anticancer therapeutics. <i>Future Medicinal Chemistry</i> , 2013, 5, 553-572.	1.1	116
30	A fluorescent probe for rapid aqueous fluoride detection and cell imaging. <i>Chemical Communications</i> , 2013, 49, 2494-2496.	2.2	106
31	Prodrug Strategies Based on Intramolecular Cyclization Reactions. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 765-767.	1.6	105
32	New Boronic Acid Fluorescent Reporter Compounds. 2. A Naphthalene-Based On-Off Sensor Functional at Physiological pH. <i>Organic Letters</i> , 2003, 5, 4615-4618.	2.4	101
33	Regulating the fluorescence intensity of an anthracene boronic acid system: a C-N bond or a hydrolysis mechanism?. <i>Bioorganic Chemistry</i> , 2004, 32, 571-581.	2.0	99
34	Building Fluorescent Sensors for Carbohydrates Using Template-Directed Polymerizations. <i>Bioorganic Chemistry</i> , 2001, 29, 308-320.	2.0	96
35	Vitamin C Inactivates the Proteasome Inhibitor PS-341 in Human Cancer Cells. <i>Clinical Cancer Research</i> , 2006, 12, 273-280.	3.2	96
36	A click-and-release approach to CO prodrugs. <i>Chemical Communications</i> , 2014, 50, 15890-15893.	2.2	95

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37	Hydrogen sulfide prodrugs—a review. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 367-377.	5.7	95
38	A novel type of fluorescent boronic acid that shows large fluorescence intensity changes upon binding with a carbohydrate in aqueous solution at physiological pH. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1019-1022.	1.0	93
39	Discovery and structural characterization of a small molecule 14-3-3 protein-protein interaction inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16212-16216.	3.3	93
40	Pyrogallol and its analogs can antagonize bacterial quorum sensing in <i>Vibrio harveyi</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1567-1572.	1.0	92
41	Strategies to target the Hedgehog signaling pathway for cancer therapy. <i>Medicinal Research Reviews</i> , 2018, 38, 870-913.	5.0	90
42	MALDI tissue imaging: from biomarker discovery to clinical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 17-27.	1.9	87
43	Recent Advances in Thiol and Sulfide Reactive Probes. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1007-1022.	1.2	86
44	An Esterase-Sensitive Prodrug Approach for Controllable Delivery of Persulfide Species. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11749-11753.	7.2	78
45	L-Ala- ¹³ C-D-Glu-meso-diaminopimelic Acid (DAP) Interacts Directly with Leucine-rich Region Domain of Nucleotide-binding Oligomerization Domain 1, Increasing Phosphorylation Activity of Receptor-interacting Serine/Threonine-protein Kinase 2 and Its Interaction with Nucleotide-binding Oligomerization Domain 1. <i>Journal of Biological Chemistry</i> , 2011, 286, 31003-31013.	1.6	77
46	Rational design of a fluorescent hydrogen peroxide probe based on the umbelliferone fluorophore. <i>Tetrahedron Letters</i> , 2008, 49, 3045-3048.	0.7	74
47	Toward Direct Protein S-Persulfidation: A Prodrug Approach That Directly Delivers Hydrogen Persulfide. <i>Journal of the American Chemical Society</i> , 2018, 140, 30-33.	6.6	70
48	Potential ATPase mimics by polyammonium macrocycles: Criteria for catalytic activity. <i>Bioorganic Chemistry</i> , 1992, 20, 8-29.	2.0	69
49	Organocatalytic Aza-Michael-Michael Cascade Reactions: A Flexible Approach to 2,3,4-Trisubstituted Tetrahydroquinolines. <i>Chemistry - A European Journal</i> , 2012, 18, 12958-12961.	1.7	68
50	Dual-Responsive Boronate Crosslinked Micelles for Targeted Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5293-5295.	7.2	68
51	A comparison of different electrostatic potentials on prediction accuracy in CoMFA and CoMSIA studies. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1544-1551.	2.6	65
52	The first fluorescent sensor for d-glucarate based on the cooperative action of boronic acid and guanidinium groups. <i>Chemical Communications</i> , 2003, , 792-793.	2.2	64
53	Structure-Based Discovery and Experimental Verification of Novel Al ²⁺ Quorum Sensing Inhibitors against <i>Vibrio harveyi</i> . <i>ChemMedChem</i> , 2008, 3, 1242-1249.	1.6	62
54	Diallyl trisulfide protects against high glucose-induced cardiac apoptosis by stimulating the production of cystathionine gamma-lyase-derived hydrogen sulfide. <i>International Journal of Cardiology</i> , 2015, 195, 300-310.	0.8	62

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55	Design and synthesis of boronic-acid-labeled thymidine triphosphate for incorporation into DNA. <i>Nucleic Acids Research</i> , 2007, 35, 1222-1229.	6.5	61
56	Carbon monoxide protects the kidney through the central circadian clock and CD39. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2302-E2310.	3.3	61
57	Discovery and Mechanistic Study of a Class of Protein Arginine Methylation Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6028-6039.	2.9	60
58	A fluorescent hydrogen peroxide probe based on a "click" modified coumarin fluorophore. <i>Tetrahedron Letters</i> , 2010, 51, 1152-1154.	0.7	59
59	Organic CO Prodrugs: Structure-CO Release Rate Relationship Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 9838-9845.	1.7	59
60	pH-Sensitive metal-free carbon monoxide prodrugs with tunable and predictable release rates. <i>Chemical Communications</i> , 2017, 53, 9628-9631.	2.2	59
61	Synthesis, Evaluation, and Computational Studies of Naphthalimide-Based Long-Wavelength Fluorescent Boronic Acid Reporters. <i>Chemistry - A European Journal</i> , 2008, 14, 2795-2804.	1.7	58
62	Biologically Active Heteroarotinoids Exhibiting Anticancer Activity and Decreased Toxicity. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3567-3583.	2.9	57
63	Esterase-sensitive cyclic prodrugs of peptides: evaluation of a phenylpropionic acid promoiety in a model hexapeptide. <i>Pharmaceutical Research</i> , 1997, 14, 11-17.	1.7	57
64	An esterase-activated click and release approach to metal-free CO-prodrugs. <i>Chemical Communications</i> , 2017, 53, 8296-8299.	2.2	57
65	The Design of Boronic Acid Spectroscopic Reporter Compounds by Taking Advantage of the pKa-Lowering Effect of Diol Binding: A Nitrophenol-Based Color Reporters for Diols. <i>Journal of Organic Chemistry</i> , 2004, 69, 1999-2007.	1.7	56
66	Design, synthesis and preliminary activity assay of 1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid derivatives as novel Histone deacetylases (HDACs) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1761-1772.	1.4	56
67	Building Fluorescent Sensors by Template Polymerization: The Preparation of a Fluorescent Sensor for L-Tryptophan. <i>Bioorganic Chemistry</i> , 1999, 27, 463-476.	2.0	55
68	3,6-Substituted-1,2,4,5-tetrazines: tuning reaction rates for staged labeling applications. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3950.	1.5	54
69	Sulfur dioxide prodrugs: triggered release of SO ₂ via a click reaction. <i>Chemical Communications</i> , 2017, 53, 1370-1373.	2.2	54
70	Coumarinic acid-based cyclic prodrugs of opioid peptides that exhibit metabolic stability to peptidases and excellent cellular permeability. <i>Pharmaceutical Research</i> , 1999, 16, 7-15.	1.7	53
71	Synthesis, antimalarial activity and cytotoxic potential of new monocarbonyl analogues of curcumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 112-116.	1.0	53
72	Synthesis and evaluation of the physicochemical properties of esterase-sensitive cyclic prodrugs of opioid peptides using coumarinic acid and phenylpropionic acid linkers. <i>Chemical Biology and Drug Design</i> , 1999, 53, 370-382.	1.2	52

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73	Development and Synthesis of an Arylboronic Acid-based Solid-Phase Amidation Catalyst. <i>Synthesis</i> , 2001, 2001, 1611-1613.	1.2	52
74	Synthesis of a Novel Esterase-Sensitive Cyclic Prodrug System for Peptides That Utilizes a α -Trimethyl Lock-Facilitated Lactonization Reaction. <i>Journal of Organic Chemistry</i> , 1997, 62, 1363-1367.	1.7	51
75	Prodrug strategies to enhance the intestinal absorption of peptides. <i>Drug Discovery Today</i> , 1997, 2, 148-155.	3.2	51
76	A highly fluorescent water-soluble boronic acid reporter for saccharide sensing that shows ratiometric UV changes and significant fluorescence changes. <i>Tetrahedron</i> , 2005, 61, 9111-9117.	1.0	51
77	Substituent effect on anthracene-based bisboronic acid glucose sensors. <i>Tetrahedron</i> , 2006, 62, 2583-2589.	1.0	51
78	The first low μ M SecA inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1617-1625.	1.4	51
79	Click, Release, and Fluoresce: A Chemical Strategy for a Cascade Prodrug System for Codelivery of Carbon Monoxide, a Drug Payload, and a Fluorescent Reporter. <i>Organic Letters</i> , 2018, 20, 897-900.	2.4	50
80	Esterase-Sensitive and pH-Controlled Carbon Monoxide Prodrugs for Treating Systemic Inflammation. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3163-3168.	2.9	49
81	The effect of conformation on the membrane permeation of coumarinic acid- and phenylpropionic acid-based cyclic prodrugs of opioid peptides. <i>Chemical Biology and Drug Design</i> , 1999, 53, 383-392.	1.2	48
82	Water-Soluble Fluorescent Boronic Acid Compounds for Saccharide Sensing: Substituent Effects on Their Fluorescence Properties. <i>Chemistry - A European Journal</i> , 2006, 12, 1377-1384.	1.7	48
83	Discovery of the first SecA inhibitors using structure-based virtual screening. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 839-845.	1.0	48
84	Synthesis and Evaluation of New Antagonists of Bacterial Quorum Sensing in <i>Vibrio harveyi</i> . <i>ChemMedChem</i> , 2009, 4, 1457-1468.	1.6	47
85	A Redox-Sensitive Resin Linker for the Solid Phase Synthesis of C-Terminal Modified Peptides. <i>Journal of Organic Chemistry</i> , 1999, 64, 156-161.	1.7	46
86	Homology modeling and examination of the effect of the D92E mutation on the H5N1 nonstructural protein NS1 effector domain. <i>Journal of Molecular Modeling</i> , 2007, 13, 1237-1244.	0.8	45
87	Identification of boronic acids as antagonists of bacterial quorum sensing in <i>Vibrio harveyi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 590-594.	1.0	45
88	Organic CO Prodrugs Activated by Endogenous ROS. <i>Organic Letters</i> , 2018, 20, 8-11.	2.4	45
89	Arylsulfonamide 64B Inhibits Hypoxia/HIF-Induced Expression of c-Met and CXCR4 and Reduces Primary Tumor Growth and Metastasis of Uveal Melanoma. <i>Clinical Cancer Research</i> , 2019, 25, 2206-2218.	3.2	45
90	Carbon monoxide: An emerging therapy for acute kidney injury. <i>Medicinal Research Reviews</i> , 2020, 40, 1147-1177.	5.0	45

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91	Role of Carbon Monoxide in Host-Gut Microbiome Communication. <i>Chemical Reviews</i> , 2020, 120, 13273-13311.	23.0	45
92	Nitro reduction-based fluorescent probes for carbon monoxide require reactivity involving a ruthenium carbonyl moiety. <i>Chemical Communications</i> , 2020, 56, 2190-2193.	2.2	45
93	Design and Synthesis of Novel Small-Molecule Inhibitors of the Hypoxia Inducible Factor Pathway. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8471-8489.	2.9	44
94	Chemical feasibility studies of a potential coumarin-based prodrug system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 945-950.	1.0	43
95	Naphthalene-based water-soluble fluorescent boronic acid isomers suitable for ratiometric and off-on sensing of saccharides at physiological pH. <i>New Journal of Chemistry</i> , 2005, 29, 579.	1.4	43
96	Using boronolactin in MALDI-MS imaging for the histological analysis of cancer tissue expressing the sialyl Lewis X antigen. <i>Chemical Communications</i> , 2011, 47, 10338.	2.2	43
97	Catechol pendant polystyrene for solid-phase synthesis. <i>Tetrahedron Letters</i> , 2002, 43, 6339-6342.	0.7	42
98	A highly selective and sensitive fluorescent probe for simultaneously distinguishing and sequentially detecting H ₂ S and various thiol species in solution and in live cells. <i>Chemical Communications</i> , 2018, 54, 13252-13255.	2.2	42
99	Probing the general time scale question of boronic acid binding with sugars in aqueous solution at physiological pH. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2957-2961.	1.4	40
100	A new type of boronic acid fluorescent reporter compound for sugar recognition. <i>Tetrahedron Letters</i> , 2005, 46, 7981-7984.	0.7	39
101	Computational studies of H5N1 hemagglutinin binding with SA- α -2, 3-Gal and SA- α -2, 6-Gal. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 662-668.	1.0	39
102	Recent Advances in Fluorescent Probes for the Detection of Hydrogen Sulfide. <i>Current Organic Chemistry</i> , 2013, 17, 641-653.	0.9	39
103	2,6-Dansyl Azide as a Fluorescent Probe for Hydrogen Sulfide. <i>Journal of Fluorescence</i> , 2014, 24, 1-5.	1.3	39
104	Esterase-Sensitive Glutathione Persulfide Donor. <i>Organic Letters</i> , 2018, 20, 6364-6367.	2.4	39
105	Click Reactions and Boronic Acids: Applications, Issues, and Potential Solutions. <i>Molecules</i> , 2010, 15, 5768-5781.	1.7	38
106	Amiloride Analogs as ASIC1a Inhibitors. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 468-476.	1.9	38
107	SO ₂ Donors and Prodrugs, and Their Possible Applications: A Review. <i>Frontiers in Chemistry</i> , 2018, 6, 559.	1.8	38
108	An efficient synthesis of sterically hindered arylboronic acids. <i>Tetrahedron Letters</i> , 2005, 46, 1671-1674.	0.7	37

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109	Design, Synthesis, and Structure-Activity Relationship, Molecular Modeling, and NMR Studies of a Series of Phenyl Alkyl Ketones as Highly Potent and Selective Phosphodiesterase-4 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7673-7688.	2.9	37
110	Discovery of novel small molecule inhibitors of lysine methyltransferase G9a and their mechanism in leukemia cell lines. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 382-393.	2.6	37
111	Design and Synthesis of Long-Wavelength Fluorescent Boronic Acid Reporter Compounds. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2091-2099.	1.2	35
112	Chemical Validation of Phosphodiesterase C as a Chemotherapeutic Target in <i>Trypanosoma cruzi</i> , the Etiological Agent of Chagas' Disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3738-3745.	1.4	35
113	Boronic acid-modified DNA that changes fluorescent properties upon carbohydrate binding. <i>Chemical Communications</i> , 2010, 46, 1073.	2.2	35
114	Esterase-sensitive sulfur dioxide prodrugs inspired by modified Julia olefination. <i>Chemical Communications</i> , 2017, 53, 10124-10127.	2.2	35
115	Making smart drugs smarter: The importance of linker chemistry in targeted drug delivery. <i>Medicinal Research Reviews</i> , 2020, 40, 2682-2713.	5.0	35
116	Organic carbon monoxide prodrug, BW-CO-111, in protection against chemically-induced gastric mucosal damage. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 456-475.	5.7	35
117	Nature's marvels endowed in gaseous molecules I: Carbon monoxide and its physiological and therapeutic roles. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1434-1445.	5.7	35
118	Fluorescein Analogues Inhibit SecA ATPase: The First Submicromolar Inhibitor of Bacterial Protein Translocation. <i>ChemMedChem</i> , 2012, 7, 571-577.	1.6	34
119	Coumarin-based prodrugs 2. Synthesis and bioreversibility studies of an esterase-sensitive cyclic prodrug of dadle, an opioid peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2823-2826.	1.0	33
120	Biomarker-Based Metabolic Labeling for Redirected and Enhanced Immune Response. <i>ACS Chemical Biology</i> , 2018, 13, 1686-1694.	1.6	33
121	Computer-Based De Novo Design, Synthesis, and Evaluation of Boronic Acid-Based Artificial Receptors for Selective Recognition of Dopamine. <i>ChemBioChem</i> , 2008, 9, 1431-1438.	1.3	32
122	Design, synthesis, and QSAR studies of novel lysine derivatives as amino-peptidase N/CD13 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5473-5481.	1.4	32
123	Identification of the first fluorescent β -amidoboronic acids that change fluorescent properties upon sugar binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1596-1599.	1.0	32
124	Sulfonamides as a new scaffold for hypoxia inducible factor pathway inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5528-5532.	1.0	32
125	Click and Release: A High-Content Bioorthogonal Prodrug with Multiple Outputs. <i>Organic Letters</i> , 2019, 21, 3649-3652.	2.4	32
126	The effect of different electrostatic potentials on docking accuracy: A case study using DOCK5.4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3509-3512.	1.0	31

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127	Identification of Potent Bactericidal Compounds Produced by Escapin, an <i>L</i> -Amino Acid Oxidase in the Ink of the Sea Hare <i>Aplysia californica</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 4455-4462.	1.4	31
128	A New Class of Fluorescent Boronic Acids That Have Extraordinarily High Affinities for Diols in Aqueous Solution at Physiological pH. <i>Chemistry - A European Journal</i> , 2010, 16, 13528-13538.	1.7	31
129	Redox-based selective fluorometric detection of homocysteine. <i>Chemical Communications</i> , 2014, 50, 13668-13671.	2.2	31
130	Post-synthesis DNA modifications using a trans-cyclooctene click handle. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 909-915.	1.5	31
131	Click and Fluoresce: A Bioorthogonally Activated Smart Probe for Wash-Free Fluorescent Labeling of Biomolecules. <i>Journal of Organic Chemistry</i> , 2017, 82, 1471-1476.	1.7	31
132	Click and Release: SO ₂ Prodrugs with Tunable Release Rates. <i>Organic Letters</i> , 2017, 19, 818-821.	2.4	31
133	Microwave-assisted synthesis of ethynylarylboronates for the construction of boronic acid-based fluorescent sensors for carbohydrates. <i>Tetrahedron Letters</i> , 2006, 47, 2331-2335.	0.7	30
134	A unique quinolineboronic acid-based supramolecular structure that relies on double intermolecular B-N bonds for self-assembly in solid state and in solution. <i>Tetrahedron</i> , 2007, 63, 3287-3292.	1.0	30
135	The Chemistry of Escapin: Identification and Quantification of the Components in the Complex Mixture Generated by an <i>L</i> -Amino Acid Oxidase in the Defensive Secretion of the Sea Snail <i>Aplysia californica</i> . <i>Chemistry - A European Journal</i> , 2009, 15, 1597-1603.	1.7	30
136	Carbohydrate biomarkers for future disease detection and treatment. <i>Science China Chemistry</i> , 2010, 53, 3-20.	4.2	30
137	Synthesis and carbohydrate binding studies of fluorescent $\hat{\pm}$ -amidoboronic acids and the corresponding bisboronic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1449-1455.	1.4	30
138	Fluorescent conjugate of <i>s</i> Lex-selective bisboronic acid for imaging application. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6307-6309.	1.0	30
139	Structural Analysis of a Facile Lactonization System Facilitated by a $\hat{\epsilon}$ -Trimethyl Lock. <i>Bioorganic Chemistry</i> , 1996, 24, 39-49.	2.0	29
140	A novel redox-sensitive protecting group for boronic acids, MPMP-diol. <i>Tetrahedron Letters</i> , 2005, 46, 8503-8505.	0.7	29
141	Synthesis and Evaluation of Dual Wavelength Fluorescent Benzo[b]thiophene Boronic Acid Derivatives for Sugar Sensing. <i>Chemical Biology and Drug Design</i> , 2007, 70, 279-289.	1.5	29
142	Novel Rhein Analogues as Potential Anticancer Agents. <i>ChemMedChem</i> , 2011, 6, 2294-2301.	1.6	29
143	Design, Synthesis and Biological Evaluation of Rose Bengal Analogues as SecA Inhibitors. <i>ChemMedChem</i> , 2013, 8, 1384-1393.	1.6	29
144	Chemical Reactivities of Two Widely Used Ruthenium-Based CO-Releasing Molecules with a Range of Biologically Important Reagents and Molecules. <i>Analytical Chemistry</i> , 2021, 93, 5317-5326.	3.2	29

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146	A coumarin-based prodrug strategy to improve the oral absorption of RGD peptidomimetics. <i>Journal of Controlled Release</i> , 2000, 65, 245-251.	4.8	28
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