Tony D James

List of Publications by Year
in descending order

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415 papers	29,016 citations	5558 82 h-index	7718 150 g-index
468 all docs	468 docs citations	468 times ranked	18393 citing authors

#	Article	IF	Citations
1	Fluorescent chemosensors: the past, present and future. Chemical Society Reviews, 2017, 46, 7105-7123.	18.7	1,436
2	Excited-state intramolecular proton-transfer (ESIPT) based fluorescence sensors and imaging agents. Chemical Society Reviews, 2018, 47, 8842-8880.	18.7	993
3	Saccharide Sensing with Molecular Receptors Based on Boronic Acid. Angewandte Chemie International Edition in English, 1996, 35, 1910-1922.	4.4	853
4	Chiral discrimination of monosaccharides using a fluorescent molecular sensor. Nature, 1995, 374, 345-347.	13.7	609
5	Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing, and Assembly. Accounts of Chemical Research, 2013, 46, 312-326.	7.6	559
6	FÃ¶rster resonance energy transfer (FRET)-based small-molecule sensors and imaging agents. Chemical Society Reviews, 2020, 49, 5110-5139.	18.7	516
7	Selective sensing of saccharides using simple boronic acids and their aggregates. Chemical Society Reviews, 2013, 42, 8032.	18.7	507
8	In Vivo and in Situ Tracking Cancer Chemotherapy by Highly Photostable NIR Fluorescent Theranostic Prodrug. Journal of the American Chemical Society, 2014, 136, 3579-3588.	6.6	494
9	Molecular logic gates: the past, present and future. Chemical Society Reviews, 2018, 47, 2228-2248.	18.7	468
10	Boronic acid building blocks: tools for self assembly. Chemical Communications, 2011, 47, 1124-1150.	2.2	466
11	Novel Saccharide-Photoinduced Electron Transfer Sensors Based on the Interaction of Boronic Acid and Amine. Journal of the American Chemical Society, 1995, 117, 8982-8987.	6.6	462
12	Reaction-Based Fluorescent Probes for the Detection and Imaging of Reactive Oxygen, Nitrogen, and Sulfur Species. Accounts of Chemical Research, 2019, 52, 2582-2597.	7.6	442
13	Real-Time Tracking and In Vivo Visualization of Î²-Galactosidase Activity in Colorectal Tumor with a Ratiometric Near-Infrared Fluorescent Probe. Journal of the American Chemical Society, 2016, 138, 5334-5340.	6.6	432
14	Artificial Receptors as Chemosensors for Carbohydrates. Topics in Current Chemistry, 2002, , 159-200.	4.0	386
15	Boron based anion receptors as sensors. Chemical Society Reviews, 2010, 39, 3831.	18.7	361
16	Boronic acid building blocks: tools for sensing and separation. Chemical Communications, 2011, 47, 1106.	2.2	361
17	Farâ€Red and Nearâ€IR AIEâ€Active Fluorescent Organic Nanoprobes with Enhanced Tumorâ€Targeting Efficacy: Shapeâ€Specific Effects. Angewandte Chemie - International Edition, 2015, 54, 7275-7280.	7.2	361
18	A Glucose-Selective Molecular Fluorescence Sensor. Angewandte Chemie International Edition in English, 1994, 33, 2207-2209.	4.4	342

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19	Glucose Sensing in Supramolecular Chemistry. Chemical Reviews, 2015, 115, 8001-8037.	23.0	324
20	Fluorescent small organic probes for biosensing. Chemical Science, 2021, 12, 3406-3426.	3.7	249
21	A highly selective red-emitting FRET fluorescent molecular probe derived from BODIPY for the detection of cysteine and homocysteine: an experimental and theoretical study. Chemical Science, 2012, 3, 1049-1061.	3.7	245
22	Small molecule based fluorescent chemosensors for imaging the microenvironment within specific cellular regions. Chemical Society Reviews, 2021, 50, 12098-12150.	18.7	236
23	Synthetic receptors. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3155-3184.	1.3	232
24	Rational Design of d-PeT Phenylethynylated-Carbazole Monoboronic Acid Fluorescent Sensors for the Selective Detection of Î±-Hydroxyl Carboxylic Acids and Monosaccharides. Journal of the American Chemical Society, 2009, 131, 17452-17463.	6.6	230
25	Boronic Acids in Molecular Selfâ€Assembly. Chemistry - an Asian Journal, 2008, 3, 1076-1091.	1.7	226
26	Selective fluorescence detection of fluoride using boronic acids. Chemical Communications, 1998, , 1365-1366.	2.2	215
27	Fluorescent saccharide receptors: a sweet solution to the design, assembly and evaluation of boronic acid derived PET sensors. Chemical Communications, 1996, , 281.	2.2	205
28	A water-soluble boronate-based fluorescent probe for the selective detection of peroxynitrite and imaging in living cells. Chemical Science, 2014, 5, 3368.	3.7	205
29	Chiral Binolâ€“Bisboronic Acid as Fluorescence Sensor for Sugar Acids. Angewandte Chemie - International Edition, 2004, 43, 3461-3464.	7.2	200
30	A near-infrared colorimetric fluorescent chemodosimeter for the detection of glutathione in living cells. Chemical Communications, 2014, 50, 1751.	2.2	198
31	Binary and ternary phenylboronic acid complexes with saccharides and Lewis bases. Tetrahedron, 2004, 60, 11175-11190.	1.0	197
32	Novel photoinduced electron-transfer sensor for saccharides based on the interaction of boronic acid and amine. Journal of the Chemical Society Chemical Communications, 1994, , 477.	2.0	193
33	Two-photon small-molecule fluorescence-based agents for sensing, imaging, and therapy within biological systems. Chemical Society Reviews, 2021, 50, 702-734.	18.7	187
34	Glucose Sensing via Aggregation and the Use of â€œKnock-Outâ€•Binding To Improve Selectivity. Journal of the American Chemical Society, 2013, 135, 1700-1703.	6.6	184
35	An Enantioselective Fluorescent Sensor for Sugar Acids. Journal of the American Chemical Society, 2004, 126, 16179-16186.	6.6	178
36	Small-molecule fluorescence-based probes for interrogating major organ diseases. Chemical Society Reviews, 2021, 50, 9391-9429.	18.7	176

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37	An ESIPT Probe for the Ratiometric Imaging of Peroxynitrite Facilitated by Binding to AÎ²-Aggregates. Journal of the American Chemical Society, 2018, 140, 14267-14271.	6.6	155
38	Dual-locked spectroscopic probes for sensing and therapy. Nature Reviews Chemistry, 2021, 5, 406-421.	13.8	144
39	Molecular Design Strategy to Construct the Near-Infrared Fluorescent Probe for Selectively Sensing Human Cytochrome P450 2J2. Journal of the American Chemical Society, 2019, 141, 1126-1134.	6.6	141
40	Indicator displacement assays (IDAs): the past, present and future. Chemical Society Reviews, 2021, 50, 9-38.	18.7	139
41	The development of a novel AND logic based fluorescence probe for the detection of peroxynitrite and GSH. Chemical Science, 2018, 9, 3672-3676.	3.7	136
42	Saccharidnachweis mit Rezeptoren auf BoronsÃurebasis. Angewandte Chemie, 1996, 108, 2038-2050.	1.6	132
43	Hierarchical supramolecules and organization using boronic acid building blocks. Chemical Communications, 2015, 51, 2005-2020.	2.2	131
44	The mechanisms of boronate ester formation and fluorescent turn-on in ortho-aminomethylphenylboronic acids. Nature Chemistry, 2019, 11, 768-778.	6.6	131
45	Ratiometric Fluorescence Sensing of Fluoride Ions by an Asymmetric Bidentate Receptor Containing a Boronic Acid and Imidazolium Group. European Journal of Organic Chemistry, 2009, 2009, 3058-3065.	1.2	130
46	Azulene-Derived Fluorescent Probe for Bioimaging: Detection of Reactive Oxygen and Nitrogen Species by Two-Photon Microscopy. Journal of the American Chemical Society, 2019, 141, 19389-19396.	6.6	125
47	Fluorescent probes for the imaging of lipid droplets in live cells. Coordination Chemistry Reviews, 2021, 427, 213577.	9.5	123
48	Biomimetic ion transport: a functional model of a unimolecular ion channel. Journal of the American Chemical Society, 1989, 111, 767-769.	6.6	121
49	Selective fluorogenic imaging of hepatocellular H₂S by a galactosyl azidonaphthalimide probe. Chemical Communications, 2015, 51, 3653-3655.	2.2	121
50	Multiplexed photoluminescent sensors: towards improved disease diagnostics. Chemical Society Reviews, 2017, 46, 6687-6696.	18.7	118
51	Photochromic Fluorescent Probe Strategy for the Super-resolution Imaging of Biologically Important Biomarkers. Journal of the American Chemical Society, 2020, 142, 18005-18013.	6.6	118
52	Boronic Acidâ€Based Carbohydrate Sensing. Chemistry - an Asian Journal, 2015, 10, 1836-1848.	1.7	115
53	Long-wavelength fluorescent boronate probes for the detection and intracellular imaging of peroxynitrite. Chemical Communications, 2017, 53, 12822-12825.	2.2	112
54	Activities and modes of action of artificial ion channel mimics. Journal of the American Chemical Society, 1993, 115, 12315-12321.	6.6	111

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55	Fluorescent probes for the detection of disease-associated biomarkers. Science Bulletin, 2022, 67, 853-878.	4.3	110
56	3,6-Disubstituted Carbazole-Based Bisboronic Acids with Unusual Fluorescence Transduction as Enantioselective Fluorescent Chemosensors for Tartaric Acid. Journal of Organic Chemistry, 2009, 74, 1333-1336.	1.7	108
57	Probing disease-related proteins with fluorogenic composite materials. Chemical Society Reviews, 2015, 44, 4239-4248.	18.7	108
58	Boronate based fluorescence (ESIPT) probe for peroxynitrite. Chemical Communications, 2016, 52, 12350-12352.	2.2	108
59	Saccharide-Selective Boronic Acid Based Photoinduced Electron Transfer (PET) Fluorescent Sensors. , 2007, , 107-152.		107
60	Fluorescent alizarinâ€“phenylboronic acid ensembles: design of self-organized molecular sensors for metal ions and anions. Journal of Materials Chemistry, 2005, 15, 2889.	6.7	105
61	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Primary Amines. Organic Letters, 2006, 8, 609-612.	2.4	105
62	ESIPT-based fluorescence probe for the rapid detection of hypochlorite (HOCl/ClO^{â^'}). Chemical Communications, 2018, 54, 8522-8525.	2.2	101
63	Fluorescent probe for the imaging of superoxide and peroxynitrite during drug-induced liver injury. Chemical Science, 2021, 12, 3921-3928.	3.7	99
64	Boronic acids for sensing and other applications - a mini-review of papers published in 2013. Chemistry Central Journal, 2014, 8, 60.	2.6	96
65	Determination of Enantiomeric Excess in Amine Derivatives with Molecular Selfâ€Assemblies. Angewandte Chemie - International Edition, 2015, 54, 7130-7133.	7.2	96
66	ESIPT-based ratiometric fluorescence probe for the intracellular imaging of peroxynitrite. Chemical Communications, 2018, 54, 9953-9956.	2.2	96
67	Evaluation of HOCl-generating anticancer agents by an ultrasensitive dual-mode fluorescent probe. Chemical Science, 2019, 10, 3715-3722.	3.7	96
68	Synthesis and structural characterisation of the first bis(bora)calixarene: a selective, bidentate, fluorescent fluoride sensor. Chemical Communications, 2004, , 1640-1641.	2.2	95
69	Ion Pair-Driven Heterodimeric Capsule Based on Boronate Esterification:â€‰ Construction and the Dynamic Behavior. Journal of the American Chemical Society, 2007, 129, 15126-15127.	6.6	95
70	Boronic acids for fluorescence imaging of carbohydrates. Chemical Communications, 2016, 52, 3456-3469.	2.2	95
71	A Modular Fluorescence Intramolecular Energy Transfer Saccharide Sensor. Organic Letters, 2002, 4, 4249-4251.	2.4	94
72	â€œClick-fluorsâ€:â€‰ Modular Fluorescent Saccharide Sensors Based on a 1,2,3-Triazole Ring. Journal of Organic Chemistry, 2008, 73, 2871-2874.	1.7	92

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73	Modular fluorescence sensors for saccharides. Chemical Communications, 2001, , 1836-1837.	2.2	91
74	Simple protocols for NMR analysis of the enantiomeric purity of chiral diols. Nature Protocols, 2008, 3, 215-219.	5.5	90
75	Dual-Channel Fluorescent Probe for the Simultaneous Monitoring of Peroxynitrite and Adenosine-5â€²-triphosphate in Cellular Applications. Journal of the American Chemical Society, 2022, 144, 174-183.	6.6	89
76	A ditopic fluorescent sensor for potassium fluoride. Chemical Communications, 2005, , 945.	2.2	88
77	Electrochemical Method for the Determination of Enantiomeric Excess of Binol Using Redox-Active Boronic Acids as Chiral Sensors. Journal of the American Chemical Society, 2010, 132, 8903-8905.	6.6	88
78	Fluorescent internal charge transfer (ICT) saccharide sensor. Tetrahedron Letters, 2001, 42, 4553-4555.	0.7	87
79	Simple protocols for NMR analysis of the enantiomeric purity of chiral primary amines. Nature Protocols, 2008, 3, 210-214.	5.5	85
80	Reaction-based Indicator displacement Assay (RIA) for the selective colorimetric and fluorometric detection of peroxynitrite. Chemical Science, 2015, 6, 2963-2967.	3.7	84
81	Chiral Mono Boronic Acid As Fluorescent Enantioselective Sensor for Mono Î±-Hydroxyl Carboxylic Acids. Journal of Organic Chemistry, 2008, 73, 4684-4687.	1.7	83
82	Enzyme Mimics for Engineered Biomimetic Cascade Nanoreactors: Mechanism, Applications, and Prospects. Advanced Functional Materials, 2021, 31, 2106139.	7.8	82
83	Recognition of sugars and related compounds by â€œreading-outâ€•type interfaces. Supramolecular Chemistry, 1995, 6, 141-157.	1.5	81
84	A modular electrochemical sensor for saccharides. Chemical Communications, 2002, , 2368-2369.	2.2	81
85	Enantioselective Recognition of Mandelic Acid by a 3,6-Dithiophen-2-yl-9H-carbazole-Based Chiral Fluorescent Bisboronic Acid Sensor. Journal of Organic Chemistry, 2011, 76, 5685-5695.	1.7	81
86	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Diols. Organic Letters, 2006, 8, 1971-1974.	2.4	80
87	Dye displacement assay for saccharide detection with boronate hydrogels. Chemical Communications, 2009, , 532-534.	2.2	80
88	A simple visual sensor with the potential for determining the concentration of fluoride in water at environmentally significant levels. Chemical Communications, 2013, 49, 478-480.	2.2	80
89	Detection of anions using a fluorescent alizarinâ€“phenylboronic acid ensemble. Chemical Communications, 2005, , 2846.	2.2	79
90	Electrochemical sensing using boronic acids. Chemical Communications, 2015, 51, 14562-14573.	2.2	79

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91	Allosteric Interaction of Metal Ions with Saccharides in a Crowned Diboronic Acid. Journal of the American Chemical Society, 1994, 116, 4567-4572.	6.6	78
92	Ditopic boronic acid and imine-based naphthalimide fluorescence sensor for copper(<scp>ii</scp>). Chemical Communications, 2014, 50, 11806-11809.	2.2	76
93	Synthesis and evaluation of D-glucosamine-selective fluorescent sensors. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 963-969.	1.3	75
94	An OFFâ€“ON fluorescent probe for Zn2+ based on a GFP-inspired imidazolone derivative attached to a 1,10-phenanthroline moiety. Chemical Communications, 2011, 47, 4361.	2.2	75
95	Target Enzymeâ€Activated Twoâ€Photon Fluorescent Probes: A Case Study of CYP3A4 Using a Twoâ€Dimensional Design Strategy. Angewandte Chemie - International Edition, 2019, 58, 9959-9963.	7.2	74
96	Modular fluorescence sensors for saccharides. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 803-808.	1.3	72
97	Ruthenium(II)â€“Polyimineâ€“Coumarin Lightâ€Harvesting Molecular Arrays: Design Rationale and Application for Tripletâ€“Tripletâ€Annihilationâ€Based Upconversion. Chemistry - A European Journal, 2012, 18, 4953-4964.	1.7	72
98	Sensors, Imaging Agents, and Theranostics to Help Understand and Treat Reactive Oxygen Species Related Diseases. Small Methods, 2019, 3, 1900013.	4.6	72
99	Effect of the Electron Donor/Acceptor Orientation on the Fluorescence Transduction Efficiency of the d-PET Effect of Carbazole-Based Fluorescent Boronic Acid Sensors. Journal of Organic Chemistry, 2010, 75, 2578-2588.	1.7	71
100	Boronic Acid Based Modular Fluorescent Sensors for Glucose. Journal of Fluorescence, 2004, 14, 549-559.	1.3	70
101	A bis-boronic acid modified electrode for the sensitive and selective determination of glucose concentrations. Analyst, The, 2013, 138, 7146.	1.7	70
102	A d-glucose selective fluorescent assay. Tetrahedron Letters, 2002, 43, 303-305.	0.7	69
103	Hepatoma-selective imaging of heavy metal ions using a â€˜clickedâ€™ galactosylrhodamine probe. Chemical Communications, 2014, 50, 11735-11737.	2.2	69
104	Long-wavelength TCF-based fluorescence probes for the detection and intracellular imaging of biological thiols. Chemical Communications, 2018, 54, 4786-4789.	2.2	68
105	A hemicyanine based ratiometric fluorescence probe for mapping lysosomal pH during heat stroke in living cells. Chemical Communications, 2018, 54, 5518-5521.	2.2	68
106	Selective d-glucosamine hydrochloride fluorescence signalling based on ammonium cation and diol recognition. Chemical Communications, 1997, , 1419-1420.	2.2	67
107	Endoplasmic Reticulum Targeting Ratiometric Fluorescent Probe for Carboxylesterase 2 Detection in Drug-Induced Acute Liver Injury. Analytical Chemistry, 2019, 91, 15840-15845.	3.2	66
108	Azuleneâ€“boronate esters: colorimetric indicators for fluoride in drinking water. Chemical Communications, 2017, 53, 12580-12583.	2.2	65

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109	Twoâ€Ðimensional Design Strategy to Construct Smart Fluorescent Probes for the Precise Tracking of Senescence. Angewandte Chemie - International Edition, 2021, 60, 10756-10765.	7.2	65
110	ESIPT-based fluorescence probe for the rapid detection of peroxynitrite â€˜ANDâ€™ biological thiols. Chemical Communications, 2018, 54, 11336-11339.	2.2	64
111	Molecular Color Sensors for Monosaccharides. Organic Letters, 2002, 4, 477-479.	2.4	63
112	A pyridinium cationâ€“Ï€ interaction sensor for the fluorescent detection of alkyl halides. Chemical Communications, 2011, 47, 253-255.	2.2	62
113	Fluorescent glycoprobes: a sweet addition for improved sensing. Chemical Communications, 2017, 53, 82-90.	2.2	62
114	Analysis of protein glycation using phenylboronate acrylamide gel electrophoresis. Proteomics, 2010, 10, 48-58.	1.3	61
115	The Development of Boronic Acids as Sensors and Separation Tools. Chemical Record, 2012, 12, 464-478.	2.9	61
116	A quick and selective rhodamine based â€œsmart probeâ€•for â€œsignal-onâ€•optical detection of Cu2+ and Al3+ in water, cell imaging, computational studies and solid state analysis. Sensors and Actuators B: Chemical, 2018, 266, 95-105.	4.0	61
117	Ratiometric two-photon fluorescent probe for in situ imaging of carboxylesterase (CE)-mediated mitochondrial acidification during medication. Chemical Communications, 2019, 55, 11358-11361.	2.2	61
118	Chiral Discrimination of Monosaccharides through Gel Formation. Chemistry Letters, 1994, 23, 273-276.	0.7	60
119	Assembly of N-hexadecyl-pyridinium-4-boronic acid hexafluorophosphate monolayer films with catechol sensing selectivity. Journal of Materials Chemistry, 2010, 20, 8305.	6.7	60
120	Arresting â€œLoose Boltâ€•Internal Conversion from â^'B(OH)₂ Groups is the Mechanism for Emission Turn-On in ortho-Aminomethylphenylboronic Acid-Based Saccharide Sensors. Journal of the American Chemical Society, 2018, 140, 2348-2354.	6.6	60
121	Simple Chiral Derivatization Protocols for ¹H NMR and ¹⁹F NMR Spectroscopic Analysis of the Enantiopurity of Chiral Diols. Journal of Organic Chemistry, 2009, 74, 427-430.	1.7	59
122	Glycosylation enhances the aqueous sensitivity and lowers the cytotoxicity of a naphthalimide zinc ion fluorescence probe. Chemical Communications, 2015, 51, 11852-11855.	2.2	59
123	A molecular colour sensor for monosaccharides. Chemical Communications, 2000, , 229-230.	2.2	58
124	Circular dichroism of multi-component assemblies for chiral amine recognition and rapid ee determination. Chemical Science, 2012, 3, 156-161.	3.7	58
125	A saccharide â€˜spongeâ€™. Synthesis and properties of a dendritic boronic acid. Chemical Communications, 1996, , 705-706.	2.2	57
126	Pyrophosphate-induced reorganization of a reporterâ€“receptor assembly via boronate esterification; a new strategy for the turn-on fluorescent detection of multi-phosphates in aqueous solution. Organic and Biomolecular Chemistry, 2008, 6, 3621.	1.5	56

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127	Near-Infrared Colorimetric and Fluorescent Cu²⁺ Sensors Based on Indolineâ€“Benzothiadiazole Derivatives via Formation of Radical Cations. ACS Applied Materials & Interfaces, 2013, 5, 12215-12220.	4.0	56
128	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. Chemical Society Reviews, 2020, 49, 2886-2915.	18.7	56
129	Novel fluorescence sensor for â€˜smallâ€™ saccharides. Chemical Communications, 1997, , 71-72.	2.2	55
130	Carbohydrate sensing using a fluorescent molecular tweezer. Chemical Communications, 2009, , 6557.	2.2	55
131	Ubiquinone-quantum dot bioconjugates for in vitro and intracellular complex I sensing. Scientific Reports, 2013, 3, 1537.	1.6	55
132	Highly Efficient Photothermal Semiconductor Nanocomposites for Photothermal Imaging of Latent Fingerprints. Analytical Chemistry, 2015, 87, 11592-11598.	3.2	55
133	A redox-activated fluorescence switch based on a ferroceneâ€“fluorophoreâ€“boronic ester conjugate. Chemical Communications, 2015, 51, 1293-1296.	2.2	55
134	A molecular recognition platform for the simultaneous sensing of diverse chemical weapons. Chemical Science, 2022, 13, 4523-4532.	3.7	55
135	Assembly of ion channel mimics from a modular construction set. Journal of Organic Chemistry, 1993, 58, 7456-7468.	1.7	54
136	A Computational Investigation of the Nitrogenâ”Boron Interaction in o-(N,N-Dialkylaminomethyl)arylboronate Systems. Journal of Physical Chemistry A, 2010, 114, 12531-12539.	1.1	54
137	A Fluorescent Chemodosimeter for Live-Cell Monitoring of Aqueous Sulfides. Analytical Chemistry, 2016, 88, 1434-1439.	3.2	54
138	The Bâ€“N bond controls the balance between locally excited (LE) and twisted internal charge transfer (TICT) states observed for aniline based fluorescent saccharide sensors. Tetrahedron Letters, 2004, 45, 2859-2862.	0.7	53
139	â€œIntegratedâ€•and â€œinsulatedâ€•boronate-based fluorescent probes for the detection of hydrogen peroxide. Chemical Communications, 2013, 49, 8311.	2.2	53
140	Direct sensing of fluoride in aqueous solutions using a boronic acid based sensor. Chemical Communications, 2014, 50, 13987-13989.	2.2	53
141	Fluorescence detection and removal of copper from water using a biobased and biodegradable 2D soft material. Chemical Communications, 2018, 54, 184-187.	2.2	53
142	Chiral Donor Photoinducedâ€Electronâ€Transfer (dâ€PET) Boronic Acid Chemosensors for the Selective Recognition of Tartaric Acids, Disaccharides, and Ginsenosides. Chemistry - A European Journal, 2011, 17, 7632-7644.	1.7	51
143	Glucose selective Surface Plasmon Resonance-based bis-boronic acid sensor. Analyst, The, 2013, 138, 7140.	1.7	51
144	Metalâ€“organic frameworks (MOFs) as host materials for the enhanced delivery of biomacromolecular therapeutics. Chemical Communications, 2021, 57, 12098-12110.	2.2	51

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145	Bioâ€Conjugated Advanced Materials for Targeted Disease Theranostics. Advanced Functional Materials, 2020, 30, 1907906.	7.8	51
146	The Development of a Continuous Intravascular Glucose Monitoring Sensor. Journal of Diabetes Science and Technology, 2015, 9, 751-761.	1.3	50
147	Synthesis and evaluation of a boronate-tagged 1,8-naphthalimide probe for fluoride recognition. Organic and Biomolecular Chemistry, 2015, 13, 4143-4148.	1.5	50
148	Sensing and antibacterial activity of imidazolium-based conjugated polydiacetylenes. Biosensors and Bioelectronics, 2016, 77, 1016-1019.	5.3	50
149	Protein encapsulation: a new approach for improving the capability of small-molecule fluorogenic probes. Chemical Science, 2020, 11, 1107-1113.	3.7	49
150	Determination of the absolute configuration of monosaccharides by a colour change in a chiral cholesteric liquid crystal system. Journal of the Chemical Society Chemical Communications, 1993, , 857.	2.0	48
151	Dynamic covalent self-assembled macrocycles prepared from 2-formyl-aryl-boronic acids and 1,2-amino alcohols. New Journal of Chemistry, 2009, 33, 181-185.	1.4	48
152	A Simple Protocol for NMR Analysis of the Enantiomeric Purity of Chiral Hydroxylamines. Organic Letters, 2013, 15, 860-863.	2.4	48
153	Ein glucosespezifischer molekularer Fluoreszenzsensor. Angewandte Chemie, 1994, 106, 2287-2289.	1.6	47
154	Cholesterol as a versatile platform for chiral recognition. Tetrahedron, 1995, 51, 555-566.	1.0	47
155	Chemoselective and enantioselective fluorescent recognition of sugar alcohols by a bisboronic acid receptor. Journal of Materials Chemistry, 2005, 15, 2896.	6.7	47
156	Selective Fluorescence Detection of Monosaccharides Using a Material Composite Formed between Graphene Oxide and Boronate-Based Receptors. ACS Applied Materials & Interfaces, 2014, 6, 10078-10082.	4.0	47
157	Photochromism and molecular logic gate operation of a water-compatible bis-glycosyl diarylethene. Chemical Communications, 2017, 53, 9494-9497.	2.2	47
158	â€˜ANDâ€™-based fluorescence scaffold for the detection of ROS/RNS and a second analyte. Chemical Communications, 2018, 54, 8466-8469.	2.2	47
159	Reducing Valence States of Co Active Sites in a Singleâ€Atom Nanozyme for Boosted Tumor Therapy. Advanced Functional Materials, 2022, 32, .	7.8	47
160	Carbohydrate Receptors. , 2005, , 45-109.		46
161	Boronic acid appended azo dyesâ€“colour sensors for saccharidesElectronic supplementary information (ESI) available: absorptionâ€“pH titrations and absorptionâ€“saccharide titrations. See http://www.rsc.org/suppdata/p1/b1/b108896c/. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 462-470.	1.3	45
162	Amine-triggered molecular capsules using dynamic boronate esterification. Chemical Communications, 2009, , 1682.	2.2	45

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163	Ultrasmall Organic Nanoparticles with Aggregation-Induced Emission and Enhanced Quantum Yield for Fluorescence Cell Imaging. Analytical Chemistry, 2016, 88, 7853-7857.	3.2	45
164	Boronate affinity saccharide electrophoresis: A novel carbohydrate analysis tool. Electrophoresis, 2008, 29, 4185-4191.	1.3	44
165	â€œIrregularâ€•aggregation-induced emission luminogens. Coordination Chemistry Reviews, 2020, 418, 213358.	9.5	44
166	Near-infrared fluorescent probe for hydrogen sulfide: high-fidelity ferroptosis evaluation in vivo during stroke. Chemical Science, 2022, 13, 2992-3001.	3.7	44
167	Sensor targets. Chemical Society Reviews, 2015, 44, 4176-4178.	18.7	43
168	Targeted multimodal theranostics via biorecognition controlled aggregation of metallic nanoparticle composites. Chemical Science, 2016, 7, 4004-4008.	3.7	43
169	Molecular design of sugar recognition systems by sugar-diboronic acid macro cyclization. Pure and Applied Chemistry, 1996, 68, 1207-1212.	0.9	42
170	Fluorescent Boron Bis(phenolate) with Association Response to Chloride and Dissociation Response to Fluoride. Inorganic Chemistry, 2008, 47, 6236-6244.	1.9	42
171	Enhanced fluorescence and chiral discrimination for tartaric acid in a dual fluorophore boronic acid receptor. Chemical Communications, 2005, , 1889.	2.2	41
172	Intramolecular cationâ€“Ï€ interactions control the conformation of nonrestricted (phenylalkyl)pyridines. Chemical Communications, 2008, , 1082.	2.2	41
173	Diols and anions can control the formation of an exciplex between a pyridinium boronic acid with an aryl group connected via a propylene linker. Chemical Communications, 2010, 46, 8180.	2.2	41
174	Boronic acid based photoinduced electron transfer (PET) fluorescence sensors for saccharides. New Journal of Chemistry, 2010, 34, 2922.	1.4	41
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