Bradley D Smith

List of Publications by Year
in descending order

249 papers	12,284 citations	22099 59 h-index	34900 98 g-index
281 all docs	281 docs citations	281 times ranked	10067 citing authors

#	Article	IF	Citations
1	Anion recognition using dimetallic coordination complexes. Coordination Chemistry Reviews, 2006, 250, 3068-3080.	9.5	387
2	Development of synthetic membrane transporters for anions. Chemical Society Reviews, 2007, 36, 348-357.	18.7	377
3	Squaraine-Derived Rotaxanes:Â Sterically Protected Fluorescent Near-IR Dyes. Journal of the American Chemical Society, 2005, 127, 3288-3289.	6.6	274
4	Storable, thermally activated, near-infrared chemiluminescent dyes and dye-stained microparticles for optical imaging. Nature Chemistry, 2010, 2, 1025-1030.	6.6	247
5	Optical Imaging of Bacterial Infection in Living Mice Using a Fluorescent Near-Infrared Molecular Probe. Journal of the American Chemical Society, 2006, 128, 16476-16477.	6.6	245
6	Discovery and early development of squaraine rotaxanes. Chemical Communications, 2009, , 6329.	2.2	207
7	Selective Recognition of an Alkali Halide Contact Ion-Pair. Journal of the American Chemical Society, 2001, 123, 5847-5848.	6.6	201
8	Chemical control of phospholipid distribution across bilayer membranes. Medicinal Research Reviews, 2002, 22, 251-281.	5.0	201
9	Enhanced Carboxylate Binding Using Urea and Amide-Based Receptors with Internal Lewis Acid Coordination:Â A Cooperative Polarization Effect. Journal of Organic Chemistry, 1997, 62, 4492-4499.	1.7	184
10	High-Generation Polycationic Dendrimers Are Unusually Effective at Disrupting Anionic Vesicles:â€‰Membrane Bending Model. Bioconjugate Chemistry, 2000, 11, 805-814.	1.8	183
11	A Macrobicyclic Receptor with Versatile Recognition Properties:Â Simultaneous Binding of an Ion Pair and Selective Complexation of Dimethylsulfoxide. Journal of the American Chemical Society, 2000, 122, 6201-6207.	6.6	183
12	A fluorescent assay for chloride transport; identification of a synthetic anionophore with improved activity. Chemical Communications, 2005, , 1087.	2.2	182
13	Chloride Transport Across Vesicle and Cell Membranes by Steroid-Based Receptors. Angewandte Chemie - International Edition, 2003, 42, 4931-4933.	7.2	180
14	Improving the Properties of Organic Dyes by Molecular Encapsulation. European Journal of Organic Chemistry, 2005, 2005, 4051-4059.	1.2	174
15	Synthetic mimics of biotin/(strept)avidin. Chemical Society Reviews, 2017, 46, 2391-2403.	18.7	174
16	Squaraine Rotaxanes: Superior Substitutes for Cy-5 in Molecular Probes for Near-Infrared Fluorescence Cell Imaging. Angewandte Chemie - International Edition, 2007, 46, 5528-5531.	7.2	167
17	Optical Imaging of Mammary and Prostate Tumors in Living Animals using a Synthetic Near Infrared Zinc(II)-Dipicolylamine Probe for Anionic Cell Surfaces. Journal of the American Chemical Society, 2010, 132, 67-69.	6.6	163
18	Selective Monosaccharide Transport through Lipid Bilayers Using Boronic Acid Carriers. Journal of the American Chemical Society, 1996, 118, 11093-11100.	6.6	158

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19	Boronic Acid Fluorophore/Î²-Cyclodextrin Complex Sensors for Selective Sugar Recognition in Water. Analytical Chemistry, 2001, 73, 1530-1536.	3.2	157
20	Self-Assembly of Fluorescent Inclusion Complexes in Competitive Media Including the Interior of Living Cells. Journal of the American Chemical Society, 2007, 129, 15054-15059.	6.6	140
21	Squaraine Rotaxane as a Reversible Optical Chloride Sensor. Chemistry - A European Journal, 2010, 16, 2916-2921.	1.7	136
22	Squaraine-Derived Rotaxanes: Highly Stable, Fluorescent Near-IR Dyes. Chemistry - A European Journal, 2006, 12, 4684-4690.	1.7	129
23	Molecular Recognition of Trigonal Oxyanions Using a Ditopic Salt Receptor:Â Evidence for Anisotropic Shielding Surface around Nitrate Anion. Journal of the American Chemical Society, 2005, 127, 2922-2928.	6.6	128
24	Co-transport of H+/Clâ€“ by a synthetic prodigiosin mimic. Chemical Communications, 2005, , 3773.	2.2	126
25	New reagents for phosphatidylserine recognition and detection of apoptosis. Bioorganic and Medicinal Chemistry, 2005, 13, 5035-5042.	1.4	124
26	Effect of Competing Alkali Metal Cations on Neutral Host's Anion Binding Ability. Organic Letters, 2000, 2, 3099-3102.	2.4	118
27	Biomarkers and Molecular Probes for Cell Death Imaging and Targeted Therapeutics. Bioconjugate Chemistry, 2012, 23, 1989-2006.	1.8	115
28	Selective Solidâ^'Liquid Extraction of Lithium Halide Salts Using a Ditopic Macrobicyclic Receptor. Inorganic Chemistry, 2004, 43, 7617-7621.	1.9	112
29	Facilitated Transport of Small Carbohydrates through Plasticized Cellulose Triacetate Membranes. Evidence for Fixed-Site Jumping Transport Mechanism. Journal of the American Chemical Society, 1997, 119, 2765-2766.	6.6	109
30	Thiosquaramides: pH switchable anion transporters. Chemical Science, 2014, 5, 3617-3626.	3.7	109
31	Structureâ€“Activity Relationships in Cholapod Anion Carriers: Enhanced Transmembrane Chloride Transport through Substituent Tuning. Chemistry - A European Journal, 2008, 14, 9599-9606.	1.7	108
32	Substrate Discrimination by Cholapod Anion Receptors:Â Geometric Effects and the â€œAffinityâ^'Selectivity Principleâ€• Journal of the American Chemical Society, 2005, 127, 10739-10746.	6.6	106
33	Transport of Alkali Halides through a Liquid Organic Membrane Containing a Ditopic Salt-Binding Receptor. Inorganic Chemistry, 2004, 43, 5902-5907.	1.9	104
34	Sterically Shielded Heptamethine Cyanine Dyes for Bioconjugation and High Performance Nearâ€Infrared Fluorescence Imaging. Angewandte Chemie - International Edition, 2020, 59, 12154-12161.	7.2	103
35	Noninvasive Optical Imaging of Staphylococcus aureus Bacterial Infection in Living Mice Using a Bis-Dipicolylamine-Zinc(II) Affinity Group Conjugated to a Near-Infrared Fluorophore. Bioconjugate Chemistry, 2008, 19, 686-692.	1.8	98
36	Facilitated transport of sodium or potassium chloride across vesicle membranes using a ditopic salt-binding macrobicycle. Organic and Biomolecular Chemistry, 2003, 1, 27-29.	1.5	94

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37	Fluorescent Detection of Apoptotic Cells by Using Zinc Coordination Complexes with a Selective Affinity for Membrane Surfaces Enriched with Phosphatidylserine. ChemBioChem, 2005, 6, 2214-2220.	1.3	89
38	Molecular ferries: membrane carriers that promote phospholipid flip-flop and chloride transport. Chemical Communications, 2003, , 2261.	2.2	87
39	Squaraine rotaxane shuttle as a ratiometric deep-red optical chloride sensor. Chemical Science, 2013, 4, 2557.	3.7	87
40	Fluorophore-linked zinc(II)dipicolylamine coordination complexes as sensors for phosphatidylserine-containing membranes. Tetrahedron, 2004, 60, 11307-11315.	1.0	85
41	An indicator displacement system for fluorescent detection of phosphate oxyanions under physiological conditions. Tetrahedron Letters, 2004, 45, 8721-8724.	0.7	83
42	Activated photothermal heating using croconaine dyes. Chemical Science, 2013, 4, 4240.	3.7	83
43	Facilitated Catecholamine Transport through Bulk and Polymer-Supported Liquid Membranes. Journal of the American Chemical Society, 1996, 118, 9820-9825.	6.6	81
44	Molecular conjugation using non-covalent click chemistry. Nature Reviews Chemistry, 2019, 3, 393-400.	13.8	81
45	Photoregulation of enzyme activity. Photochromic, transition-state-analog inhibitors of cysteine and serine proteases. Journal of the American Chemical Society, 1993, 115, 3416-3419.	6.6	78
46	Selective recognition of bacterial membranes by zinc(ii)-coordination complexes. Chemical Communications, 2006, , 1595.	2.2	72
47	Optical Imaging of Bacterial Infection in Living Mice Using Deep-Red Fluorescent Squaraine Rotaxane Probes. Bioconjugate Chemistry, 2010, 21, 1297-1304.	1.8	71
48	Boronic acids selectively facilitate glucose transport through a lipid bilayer. Journal of the American Chemical Society, 1994, 116, 9343-9344.	6.6	70
49	Transport of Glycosides through Liquid Organic Membranes Mediated by Reversible Boronate Formation is a Diffusion-Controlled Process. Journal of the American Chemical Society, 1994, 116, 8895-8901.	6.6	70
50	Rapid Macrocycle Threading by a Fluorescent Dyeâ€“Polymer Conjugate in Water with Nanomolar Affinity. Journal of the American Chemical Society, 2015, 137, 8668-8671.	6.6	70
51	Croconaine rotaxane for acid activated photothermal heating and ratiometric photoacoustic imaging of acidic pH. Chemical Communications, 2016, 52, 120-123.	2.2	69
52	Synthetic membrane transporters. Current Opinion in Chemical Biology, 2002, 6, 749-756.	2.8	67
53	Molecular Recognition of Alkylammonium Contact Ion-Pairs Using a Ditopic Receptor. Journal of Organic Chemistry, 2003, 68, 9819-9820.	1.7	67
54	Synthesis and Photophysical Investigation of Squaraine Rotaxanes by â€œClicked Cappingâ€• Organic Letters, 2008, 10, 3343-3346.	2.4	67

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55	Active transport of uridine through a liquid organic membrane mediated by phenylboronic acid and driven by a fluoride ion gradient. Tetrahedron Letters, 1993, 34, 3723-3726.	0.7	66
56	In Vivo Optical Imaging of Acute Cell Death Using a Near-Infrared Fluorescent Zincâ˜'Dipicolylamine Probe. Molecular Pharmaceutics, 2011, 8, 583-590.	2.3	62
57	Using Hydrogen Bonding to Control Carbamate Câ˜'N Rotamer Equilibria. Journal of Organic Chemistry, 1998, 63, 7258-7262.	1.7	61
58	Mechanism of facilitated saccharide transport through plasticized cellulose triacetate membranes. Journal of Membrane Science, 2001, 194, 165-175.	4.1	60
59	Imaging and therapeutic applications of zinc(<scp>ii</scp>)-dipicolylamine molecular probes for anionic biomembranes. Chemical Communications, 2016, 52, 8787-8801.	2.2	60
60	Liquid membrane transport using boronic acid carriers. Supramolecular Chemistry, 1996, 7, 55-60.	1.5	59
61	Selective fructose transport through supported liquid membranes containing diboronic acid or conjugated monoboronic acid-quaternary ammonium carriers. Tetrahedron, 1999, 55, 2857-2864.	1.0	59
62	Membrane Transporters for Anions That Use a Relay Mechanism. Journal of the American Chemical Society, 2008, 130, 17274-17275.	6.6	59
63	Selective Dopamine Transport Using a Crown Boronic Acid. Journal of the American Chemical Society, 1994, 116, 11203-11204.	6.6	57
64	One-step synthesis of 4(3H)-quinazolinones. Tetrahedron Letters, 2001, 42, 1851-1854.	0.7	57
65	NMR studies of hydrogen bonding interactions with secondary amide and urea groups. Journal of Physical Organic Chemistry, 2001, 14, 463-467.	0.9	57
66	Phosphatidylcholine-Derived Bolaamphiphiles via Click Chemistry. Organic Letters, 2007, 9, 199-202.	2.4	57
67	Singlet oxygen generation using iodinated squaraine and squaraine-rotaxane dyes. New Journal of Chemistry, 2007, 31, 677-683.	1.4	57
68	Guest Back-Folding: A Molecular Design Strategy That Produces a Deep-Red Fluorescent Host/Guest Pair with Picomolar Affinity in Water. Journal of the American Chemical Society, 2018, 140, 3361-3370.	6.6	56
69	Synthetic receptors for phospholipid headgroups. Coordination Chemistry Reviews, 2003, 240, 129-141.	9.5	55
70	Quantum dot probes for bacteria distinguish Escherichia coli mutants and permit in vivo imaging. Chemical Communications, 2008, , 2331.	2.2	55
71	Boronic Acids Mediate Glycoside Transport through a Liquid Organic Membrane via Reversible Formation of Trigonal Boronate Esters. Journal of Organic Chemistry, 1994, 59, 2724-2728.	1.7	54
72	Clean Photothermal Heating and Controlled Release from Near-Infrared Dye Doped Nanoparticles without Oxygen Photosensitization. Langmuir, 2015, 31, 7826-7834.	1.6	53

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73	Recent Advances in Synthetic Membrane Transporters. Supramolecular Chemistry, 2007, 19, 29-37.	1.5	52
74	Heteroditopic ruthenium(II) bipyridyl receptor with adjacent saccharide and phosphate binding sites. Tetrahedron Letters, 1998, 39, 6841-6844.	0.7	51
75	Unusually Low Barrier to Carbamate Câ^'N Rotation. Journal of Organic Chemistry, 2002, 67, 3949-3952.	1.7	51
76	Model of an Asymmetric DPPC/DPPS Membrane:Â Effect of Asymmetry on the Lipid Properties. A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2006, 110, 2358-2363.	1.2	51
77	Facilitated Phosphatidylserine (PS) Flip-Flop and Thrombin Activation Using A Synthetic PS Scramblase. Journal of the American Chemical Society, 2003, 125, 8195-8201.	6.6	49
78	Synthesis and Characterization of NVOC-DOPE, a Caged Photoactivatable Derivative of Dioleoylphosphatidylethanolamine. Bioconjugate Chemistry, 1999, 10, 1150-1152.	1.8	48
79	Facilitated Phospholipid Flip-Flop Using Synthetic Steroid-Derived Translocases. Journal of the American Chemical Society, 2002, 124, 5276-5277.	6.6	48
80	Recognition-directed assembly of salt-binding [2]rotaxanes. Tetrahedron, 2002, 58, 799-805.	1.0	48
81	Substituent effects on the barrier to carbamate Câ€“N rotation. Tetrahedron Letters, 2004, 45, 2747-2749.	0.7	48
82	In Vivo Imaging of Bone Using a Deep-Red Fluorescent Molecular Probe Bearing Multiple Iminodiacetate Groups. Molecular Pharmaceutics, 2013, 10, 4263-4271.	2.3	48
83	Fluorescent Selfâ€Threaded Peptide Probes for Biological Imaging. Angewandte Chemie - International Edition, 2020, 59, 23740-23747.	7.2	48
84	High Affinity Carboxylate Binding Using Neutral Urea-Based Receptors with Internal Lewis Acid Coordination. Journal of Organic Chemistry, 1996, 61, 4510-4511.	1.7	47
85	Macrocyclic Receptor for Precious Gold, Platinum, or Palladium Coordination Complexes. Journal of the American Chemical Society, 2018, 140, 6810-6813.	6.6	47
86	[2]Rotaxane with a cation-binding wheel. Chemical Communications, 2000, , 2397-2398.	2.2	46
87	Complexation of Alkali Chloride Contact Ion-Pairs Using A 2,5-Diamidopyrrole Crown Macrobicycle. Journal of Supramolecular Chemistry, 2001, 1, 289-292.	0.4	46
88	Microwave-assisted slipping synthesis of fluorescent squaraine rotaxane probe for bacterial imaging. Chemical Communications, 2010, 46, 1068.	2.2	46
89	Templated Conversion of a Crown Ether-Containing Macrobicycle into [2]Rotaxanes. Journal of Organic Chemistry, 2002, 67, 1436-1440.	1.7	45
90	In vivo targeting of cell death using a synthetic fluorescent molecular probe. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 722-731.	2.2	45

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91	Tuning the affinity of a synthetic sialic acid receptor using combinatorial chemistry. Tetrahedron Letters, 1998, 39, 3111-3114.	0.7	44
92	Facilitated Phospholipid Translocation across Vesicle Membranes Using Low-Molecular-Weight Synthetic Flippases. Journal of the American Chemical Society, 1999, 121, 11924-11925.	6.6	43
93	Multicolor Fluorescence Imaging of Traumatic Brain Injury in a Cryolesion Mouse Model. ACS Chemical Neuroscience, 2012, 3, 530-537.	1.7	43
94	Efficient Synthesis of Fluorescent Squaraine Rotaxane Dendrimers. Organic Letters, 2010, 12, 140-143.	2.4	42
95	Bacterial imaging and photodynamic inactivation using zinc(ii)-dipicolylamine BODIPY conjugates. Photochemical and Photobiological Sciences, 2015, 14, 1271-1281.	1.6	42
96	Squaraine Rotaxanes with Boat Conformation Macrocycles. Journal of Organic Chemistry, 2009, 74, 6462-6468.	1.7	41
97	Water-soluble, deep-red fluorescent squaraine rotaxanes. Organic and Biomolecular Chemistry, 2012, 10, 5769-5773.	1.5	41
98	Ion-Pair Recognition by Ditopic Macrocyclic Receptors. , 2005, , 137-151.		41
99	Influence of eluent anions in boronate affinity chromatography. Journal of Chromatography A, 1994, 664, 123-128.	1.8	40
100	Nucleotide carrier mixture with transport selectivity for ribonucleoside-5â€²-phosphates. Tetrahedron Letters, 1996, 37, 6303-6306.	0.7	40
101	Using Pentafluorophenyl as a Lewis Acid To Stabilize a Cis Secondary Amide Conformation. Organic Letters, 2001, 3, 3595-3598.	2.4	40
102	Facilitated Phosphatidylcholine Flip-Flop Across Erythrocyte Membranes Using Low Molecular Weight Synthetic Translocases. Journal of the American Chemical Society, 2001, 123, 6221-6226.	6.6	40
103	Carbon-13-proton coupling constants in carbocations. 4. Conformations of internal cyclopropylcarbinyl cations (benzobicyclo[4.1.0]heptyl cations) and their rearrangements to naphthalenium cations. Journal of the American Chemical Society, 1984, 106, 687-694.	6.6	39
104	Structure/Activity Study of Tris(2-aminoethyl)amine-Derived Translocases for Phosphatidylcholine. Journal of Organic Chemistry, 2002, 67, 2168-2174.	1.7	39
105	Zinc(II) Coordination Complexes as Membraneâ€Active Fluorescent Probes and Antibiotics. ChemBioChem, 2008, 9, 286-293.	1.3	39
106	Deep-red fluorescent imaging probe for bacteria. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2833-2836.	1.0	38
107	Nearâ€Infrared Croconaine Rotaxanes and Doped Nanoparticles for Enhanced Aqueous Photothermal Heating. Chemistry - A European Journal, 2014, 20, 12628-12635.	1.7	38
108	Bio-orthogonal Phosphatidylserine Conjugates for Delivery and Imaging Applications. Journal of Organic Chemistry, 2008, 73, 6053-6058.	1.7	37

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109	Fluorescent Neuraminidase Assay Based on Supramolecular Dye Capture After Enzymatic Cleavage. Journal of the American Chemical Society, 2017, 139, 6390-6395.	6.6	37
110	Boronic Acids Facilitate the Transport of Ribonucleosides through Lipid Bilayersâ€. Journal of Pharmaceutical Sciences, 1996, 85, 266-269.	1.6	36
111	Anion-Mediated Phase Transfer of Zinc(II)-Coordinated Tyrosine Derivatives. Organic Letters, 2005, 7, 3013-3016.	2.4	35
112	Indicator displacement assays that detect bilayer membranes enriched in phosphatidylserine. Journal of Materials Chemistry, 2005, 15, 2707.	6.7	35
113	TextRev: A Window into How General and Organic Chemistry Students Use Textbook Resources. Journal of Chemical Education, 2003, 80, 99.	1.1	34
114	Dramatic Acceleration of the Menschutkin Reaction and Distortion of Halide Leaving-Group Order. Journal of Organic Chemistry, 2007, 72, 9663-9668.	1.7	34
115	Facilitated phosphatidylserine flip-flop across vesicle and cell membranes using urea-derived synthetic translocases. Organic and Biomolecular Chemistry, 2004, 2, 214.	1.5	33
116	Dynamic molecular recognition on the surface of vesicle membranes. Chemical Communications, 2006, , 1407.	2.2	33
117	Dual-Targeted Phototherapeutic Agents as Magic Bullets for Cancer. Bioconjugate Chemistry, 2020, 31, 474-482.	1.8	33
118	Modification of a Boronic Acid Cleft Produces a Sodium-Saccharide Cotransporter. Journal of Organic Chemistry, 1995, 60, 2147-2152.	1.7	32
119	Non-Leaky Vesicle Fusion and Enhanced Cell Transfection Using a Cationic Facial Amphiphile. Journal of the American Chemical Society, 2000, 122, 3252-3253.	6.6	31
120	Bolaamphiphiles Promote Phospholipid Translocation Across Vesicle Membranes. Journal of the American Chemical Society, 2006, 128, 9211-9218.	6.6	31
121	Dual colorimetric and luminescent assay for dipicolinate, a biomarker of bacterial spores. Analyst, The, 2013, 138, 7079.	1.7	31
122	Sensitive Structural Control of Macrocycle Threading by a Fluorescent Squaraine Dye Flanked by Polymer Chains. Organic Letters, 2015, 17, 5268-5271.	2.4	31
123	Synthetic peptides with selective affinity for apoptotic cells. Organic and Biomolecular Chemistry, 2006, 4, 1966.	1.5	30
124	11B NMR studies of an aryl boronic acid bound to chymotrypsin and subtilisin. Bioorganic and Medicinal Chemistry Letters, 1991, 1, 9-12.	1.0	29
125	Phenyl glycopyranoside recognition in water using Stoddart's cyclobis(paraquat-p-phenylene) receptor. Tetrahedron Letters, 1996, 37, 283-286.	0.7	29
126	Fluorine NMR reporter for phosphate anions. Chemical Communications, 2013, 49, 5070.	2.2	29

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127	Fluorescence Sensing of a Ribonucleoside 5â€²-Triphosphate. Tetrahedron Letters, 1997, 38, 6323-6326.	0.7	28
128	Fluorescent Chemosensor for Chloroalkanes. Organic Letters, 2008, 10, 1735-1738.	2.4	28
129	Using the Rotaxane Mechanical Bond to Enhance Chemical Reactivity. Organic Letters, 2010, 12, 4980-4983.	2.4	28
130	Fluorescence imaging of interscapular brown adipose tissue in living mice. Journal of Materials Chemistry B, 2015, 3, 1979-1989.	2.9	28
131	Enhanced cell binding using liposomes containing an artificial carbohydrate-binding receptor. Chemical Communications, 2000, , 149-150.	2.2	27
132	Rapid Fixation of Methylene Chloride by a Macrocyclic Amine. Journal of the American Chemical Society, 2005, 127, 4184-4185.	6.6	27
133	Library Synthesis, Screening, and Discovery of Modified Zinc(II)-Bis(dipicolylamine) Probe for Enhanced Molecular Imaging of Cell Death. Bioconjugate Chemistry, 2014, 25, 724-737.	1.8	27
134	Deuterated Indocyanine Green (ICG) with Extended Aqueous Storage Shelfâ€Life: Chemical and Clinical Implications. Chemistry - A European Journal, 2021, 27, 14535-14542.	1.7	27
135	Macrocycle Breathing in [2]Rotaxanes with Tetralactam Macrocycles. Journal of Organic Chemistry, 2011, 76, 688-691.	1.7	26
136	Cycloaddition to an anthracene-derived macrocyclic receptor with supramolecular control of regioselectivity. Chemical Communications, 2009, , 2517.	2.2	25
137	Zinc(II)-Dipicolylamine Coordination Complexes as Targeting and Chemotherapeutic Agents for Leishmania major. Antimicrobial Agents and Chemotherapy, 2016, 60, 2932-2940.	1.4	25
138	Pre-Assembly of Near-Infrared Fluorescent Multivalent Molecular Probes for Biological Imaging. Bioconjugate Chemistry, 2016, 27, 1400-1410.	1.8	25
139	Molecular Imaging of Aminopeptidase N in Cancer and Angiogenesis. Contrast Media and Molecular Imaging, 2018, 2018, 1-15.	0.4	25
140	Facilitated transport of small hydrophilic biomolecules through artificial membranes. Advances in Supramolecular Chemistry, 1999, , 157-202.	1.8	25
141	Molecular Dynamics Study of [2]Rotaxanes:Â Influence of Solvation and Cation on Co-conformation. Journal of Organic Chemistry, 2003, 68, 4663-4673.	1.7	24
142	Nonâ€Covalently Preâ€Assembled Highâ€Performance Nearâ€Infrared Fluorescent Molecular Probes for Cancer Imaging. Chemistry - A European Journal, 2018, 24, 13821-13829.	1.7	24
143	Noncovalent Keystone Interactions Controlling Biomembrane Structure. Chemistry - A European Journal, 2008, 14, 1690-1697.	1.7	23
144	Zinc(II)-Coordinated Oligotyrosine: A New Class of Cell Penetrating Peptide. Bioconjugate Chemistry, 2008, 19, 1033-1039.	1.8	23

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145	Effect of Cyclodextrins on Saccharide Sensing Function of a Fluorescent Phenylboronic Acid in Water. Analytical Sciences, 2008, 24, 207-212.	0.8	23
146	Preassembled Fluorescent Multivalent Probes for the Imaging of Anionic Membranes. Bioconjugate Chemistry, 2017, 28, 1093-1101.	1.8	23
147	High expression of integrin Î±vÎ²3 enables uptake of targeted fluorescent probes into ovarian cancer cells and tumors. Bioorganic and Medicinal Chemistry, 2018, 26, 2085-2091.	1.4	23
148	Cyclodextrin Rotaxane with Switchable Pirouetting. Organic Letters, 2018, 20, 2096-2099.	2.4	23
149	Molecular recognition using tetralactam macrocycles with parallel aromatic sidewalls. Beilstein Journal of Organic Chemistry, 2019, 15, 1086-1095.	1.3	23
150	Shape-Selective Recognition of Quaternary Ammonium Chloride Ion Pairs. Journal of Organic Chemistry, 2019, 84, 2808-2816.	1.7	23
151	Metal cation:Glucopyranoside co-transport through a liquid organic membrane. Tetrahedron Letters, 1993, 34, 7841-7844.	0.7	22
152	Effect of stopper size on squaraine rotaxane stability. Supramolecular Chemistry, 2009, 21, 118-124.	1.5	22
153	Enhanced Cell Death Imaging Using Multivalent Zinc(II)-bis(dipicolylamine) Fluorescent Probes. Molecular Pharmaceutics, 2013, 10, 3296-3303.	2.3	22
154	Evaluation of [111In]-Labeled Zincâ€“Dipicolylamine Tracers for SPECT Imaging of Bacterial Infection. Molecular Imaging and Biology, 2015, 17, 204-213.	1.3	21
155	Stabilization and Extraction of Fluoride Anion Using a Tetralactam Receptor. Journal of Organic Chemistry, 2019, 84, 4050-4057.	1.7	21
156	Synthesis and direct assembly of linearâ€“dendritic copolymers via CuAAC click polymerization-induced self-assembly (CPISA). Polymer Chemistry, 2020, 11, 936-943.	1.9	21
157	Internal and External Stereoisomers of Squaraine Rotaxane Endoperoxide: Synthesis, Chemical Differences, and Structural Revision. Journal of Organic Chemistry, 2014, 79, 1120-1130.	1.7	20
158	Paired Agent Fluorescence Imaging of Cancer in a Living Mouse Using Preassembled Squaraine Molecular Probes with Emission Wavelengths of 690 and 830 nm. Bioconjugate Chemistry, 2020, 31, 214-223.	1.8	20
159	Sterically Shielded Heptamethine Cyanine Dyes for Bioconjugation and High Performance Nearâ€Infrared Fluorescence Imaging. Angewandte Chemie, 2020, 132, 12252-12259.	1.6	20
160	Molecular recognition with boron acids. Part 10. A neutral paraquat receptor that uses oriented dipoles produced by dative B-N bonds. Journal of Organic Chemistry, 1995, 60, 4525-4529.	1.7	19
161	Smart molecules for imaging, sensing and health (SMITH). Beilstein Journal of Organic Chemistry, 2015, 11, 2540-2548.	1.3	19
162	Phenoxide-Bridged Zinc(II)-Bis(dipicolylamine) Probes for Molecular Imaging of Cell Death. Bioconjugate Chemistry, 2016, 27, 363-375.	1.8	19

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163	Selective photothermal inactivation of cells labeled with near-infrared croconaine dye. Chemical Communications, 2017, 53, 9906-9909.	2.2	19
164	Biochemical characterization of histamine H1 receptors in bovine adrenal medulla. Biochemical and Biophysical Research Communications, 1991, 177, 1233-1239.	1.0	18
165	Optical imaging of bacterial infection models. Drug Discovery Today: Disease Models, 2007, 4, 91-97.	1.2	18
166	Enhanced fructose, glucose and lactose transport promoted by a lipophilic 2-(aminomethyl)-phenylboronic acid. Tetrahedron, 2008, 64, 7122-7126.	1.0	18
167	High affinity threading of a new tetralactam macrocycle in water by fluorescent deep-red and near-infrared squaraine dyes. Chemical Communications, 2019, 55, 12793-12796.	2.2	18
168	Molecular Recognition and Membrane Transport with Mixed-Ligand Borates. Journal of Organic Chemistry, 1996, 61, 1148-1150.	1.7	17
169	Anionic Saccharides Activate Liposomes Containing Phospholipids Bearing a Boronic Acid for Ca2+-Dependent Fusion. Journal of the American Chemical Society, 1998, 120, 7141-7142.	6.6	17
170	Biophysical studies of a synthetic mimic of the apoptosis-detecting protein annexin v. Israel Journal of Chemistry, 2005, 45, 373-379.	1.0	17
171	Singlet Oxygen Release and Cell Toxicity of a Chemiluminescent Squaraine Rotaxane Dye: Implications for Molecular Imaging. Australian Journal of Chemistry, 2011, 64, 604.	0.5	17
172	Synthesis of the barbaralone nucleus via photocyclization of an alkynyl tropone. Tetrahedron Letters, 1987, 28, 607-610.	0.7	16
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