

Xuhong Qian

List of Publications by Year in descending order

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372
papers

19,960
citations

12303

69
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16605

123
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375
docs citations

375
times ranked

16773
citing authors

#	ARTICLE	IF	CITATIONS
1	A Ratiometric Fluorescent Probe Based on FRET for Imaging Hg ²⁺ Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8025-8029.	7.2	770
2	Zn ²⁺ -Triggered Amide Tautomerization Produces a Highly Zn ²⁺ -Selective, Cell-Permeable, and Ratiometric Fluorescent Sensor. <i>Journal of the American Chemical Society</i> , 2010, 132, 601-610.	6.6	660
3	A Highly Selective and Sensitive Fluorescent Chemosensor for Hg ²⁺ in Neutral Buffer Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 2272-2273.	6.6	567
4	Ratiometric and Selective Fluorescent Sensor for Cu ²⁺ Based on Internal Charge Transfer (ICT). <i>Organic Letters</i> , 2005, 7, 889-892.	2.4	506
5	A Highly Sensitive and Selective OFF-ON Fluorescent Sensor for Cadmium in Aqueous Solution and Living Cell. <i>Journal of the American Chemical Society</i> , 2008, 130, 16160-16161.	6.6	337
6	Detecting Hg ²⁺ Ions with an ICT Fluorescent Sensor Molecule: A Remarkable Emission Spectra Shift and Unique Selectivity. <i>Journal of Organic Chemistry</i> , 2006, 71, 4308-4311.	1.7	331
7	Colorimetric and Ratiometric Fluorescent Chemosensor with a Large Red-Shift in Emission: A Cu(II)-Only Sensing by Deprotonation of Secondary Amines as Receptor Conjugated to Naphthalimide Fluorophore. <i>Organic Letters</i> , 2005, 7, 3029-3032.	2.4	318
8	SoNar, a Highly Responsive NAD ⁺ /NADH Sensor, Allows High-Throughput Metabolic Screening of Anti-tumor Agents. <i>Cell Metabolism</i> , 2015, 21, 777-789.	7.2	311
9	Fluorescence imaging of metal ions implicated in diseases. <i>Chemical Society Reviews</i> , 2015, 44, 4487-4493.	18.7	308
10	"Alive" dyes as fluorescent sensors: fluorophore, mechanism, receptor and images in living cells. <i>Chemical Communications</i> , 2010, 46, 6418.	2.2	301
11	Ratiometric and Water-Soluble Fluorescent Zinc Sensor of Carboxamidoquinoline with an Alkoxyethylamino Chain as Receptor. <i>Organic Letters</i> , 2008, 10, 473-476.	2.4	296
12	A Rhodamine-Based Hg ²⁺ Sensor with High Selectivity and Sensitivity in Aqueous Solution: A NS ₂ -Containing Receptor. <i>Journal of Organic Chemistry</i> , 2009, 74, 2167-2170.	1.7	282
13	FRET-Based Mito-Specific Fluorescent Probe for Ratiometric Detection and Imaging of Endogenous Peroxynitrite: Dyad of Cy3 and Cy5. <i>Journal of the American Chemical Society</i> , 2016, 138, 10778-10781.	6.6	279
14	Ratiometric and Highly Selective Fluorescent Sensor for Cadmium under Physiological pH Range: A New Strategy to Discriminate Cadmium from Zinc. <i>Journal of Organic Chemistry</i> , 2007, 72, 3554-3557.	1.7	241
15	A design concept of long-wavelength fluorescent analogs of rhodamine dyes: replacement of oxygen with silicon atom. <i>Chemical Communications</i> , 2008, , 1780.	2.2	234
16	A highly selective fluorescent probe for fast detection of hydrogen sulfide in aqueous solution and living cells. <i>Chemical Communications</i> , 2012, 48, 10871.	2.2	232
17	Genetically encoded fluorescent sensors reveal dynamic regulation of NADPH metabolism. <i>Nature Methods</i> , 2017, 14, 720-728.	9.0	223
18	A Series of Polyamide Receptor Based PET Fluorescent Sensor Molecules: A Positively Cooperative Hg ²⁺ Ion Binding with High Sensitivity. <i>Organic Letters</i> , 2006, 8, 3721-3724.	2.4	211

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19	A water-soluble boronate-based fluorescent probe for the selective detection of peroxyxynitrite and imaging in living cells. <i>Chemical Science</i> , 2014, 5, 3368.	3.7	205
20	A New Prodrug-Derived Ratiometric Fluorescent Probe for Hypoxia: High Selectivity of Nitroreductase and Imaging in Tumor Cell. <i>Organic Letters</i> , 2011, 13, 928-931.	2.4	203
21	A Gold(I) Phosphine Complex Containing a Naphthalimide Ligand Functions as a TrxR Inhibiting Antiproliferative Agent and Angiogenesis Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 763-770.	2.9	189
22	Two regioisomeric and exclusively selective Hg(II) sensor molecules composed of a naphthalimide fluorophore and an o-phenylenediamine derived triamide receptor. <i>Chemical Communications</i> , 2006, , 109-111.	2.2	175
23	Bulky 4-tritylphenylethynyl substituted boradiazaindacene: pure red emission, relatively large Stokes shift and inhibition of self-quenching. <i>Chemical Communications</i> , 2008, , 4777.	2.2	172
24	Hydrazine detection in the gas state and aqueous solution based on the Gabriel mechanism and its imaging in living cells. <i>Chemical Communications</i> , 2014, 50, 1485-1487.	2.2	169
25	A Three-Channel Fluorescent Probe That Distinguishes Peroxyxynitrite from Hypochlorite. <i>Journal of the American Chemical Society</i> , 2012, 134, 18479-18482.	6.6	160
26	Unique Tri-Output Optical Probe for Specific and Ultrasensitive Detection of Hydrazine. <i>Analytical Chemistry</i> , 2014, 86, 4611-4617.	3.2	155
27	Highly sensitive and selective Pd ²⁺ sensor of naphthalimide derivative based on complexation with alkynes and thio-heterocycle. <i>Chemical Communications</i> , 2008, , 6339.	2.2	149
28	A New Class of Naphthalimide-Based Antitumor Agents That Inhibit Topoisomerase II and Induce Lysosomal Membrane Permeabilization and Apoptosis. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2589-2600.	2.9	149
29	Bright, Stable, and Biocompatible Organic Fluorophores Absorbing/Emitting in the Deep Near-Infrared Spectral Region. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2979-2983.	7.2	142
30	Convenient and Efficient FRET Platform Featuring a Rigid Biphenyl Spacer between Rhodamine and BODIPY: Transformation of "Turn-Off" Sensors into Ratiometric Ones with Dual Emission. <i>Chemistry - A European Journal</i> , 2011, 17, 3179-3191.	1.7	139
31	Highly Selective and Sensitive Near-Infrared Fluorescent Sensors for Cadmium in Aqueous Solution. <i>Organic Letters</i> , 2011, 13, 264-267.	2.4	132
32	A highly sensitive long-wavelength fluorescence probe for nitroreductase and hypoxia: selective detection and quantification. <i>Chemical Communications</i> , 2013, 49, 10820.	2.2	122
33	China: Forward to the Green Pesticides via a Basic Research Program. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2613-2623.	2.4	118
34	Exploiting the deprotonation mechanism for the design of ratiometric and colorimetric Zn ²⁺ fluorescent chemosensor with a large red-shift in emission. <i>Tetrahedron</i> , 2006, 62, 10117-10122.	1.0	114
35	Selective and Ratiometric Fluorescent Trapping and Quantification of Protein Vicinal Dithiols and in Situ Dynamic Tracing in Living Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 14237-14244.	6.6	113
36	Synthesis and photophysical properties of 1,8-naphthalimide-labelled PAMAM as PET sensors of protons and of transition metal ions. <i>Polymer</i> , 2002, 43, 5731-5736.	1.8	112

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37	Red-Emission Fluorescent Probe Sensing Cadmium and Pyrophosphate Selectively in Aqueous Solution. <i>Organic Letters</i> , 2011, 13, 3656-3659.	2.4	112
38	Divalent and Oxabridged Neonicotinoids Constructed by Dialdehydes and Nitromethylene Analogues of Imidacloprid: Design, Synthesis, Crystal Structure, and Insecticidal Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2696-2702.	2.4	109
39	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. <i>Scientific Reports</i> , 2014, 4, 5418.	1.6	109
40	A naphthalimide-calixarene as a two-faced and highly selective fluorescent chemosensor for Cu ²⁺ or F ⁻ . <i>Tetrahedron Letters</i> , 2007, 48, 9151-9154.	0.7	106
41	Visible Study of Mercuric Ion and Its Conjugate in Living Cells of Mammals and Plants. <i>Chemical Research in Toxicology</i> , 2005, 18, 1814-1820.	1.7	103
42	The novel anti-tumor agents of 4-triazol-1,8-naphthalimides: Synthesis, cytotoxicity, DNA intercalation and photocleavage. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1274-1279.	2.6	103
43	A pH-resistant Zn(II) sensor derived from 4-aminonaphthalimide: design, synthesis and intracellular applications. <i>Journal of Materials Chemistry</i> , 2005, 15, 2836.	6.7	102
44	A dual-emission and large Stokes shift fluorescence probe for real-time discrimination of ROS/RNS and imaging in live cells. <i>Chemical Communications</i> , 2013, 49, 1862.	2.2	101
45	A red-shift colorimetric and fluorescent sensor for Cu ²⁺ in aqueous solution: unsymmetrical 4,5-diaminonaphthalimide with N-H deprotonation induced by metal ions. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1299.	1.5	100
46	Novel Fluorescent pH Sensors Based on Intramolecular Hydrogen Bonding Ability of Naphthalimide. <i>Organic Letters</i> , 2004, 6, 2757-2760.	2.4	98
47	Transition-metal-free visible-light photoredox catalysis at room-temperature for decarboxylative fluorination of aliphatic carboxylic acids by organic dyes. <i>Chemical Communications</i> , 2015, 51, 11864-11867.	2.2	98
48	Novel heterogeneous PET fluorescent sensors selective for transition metal ions or protons: polymers regularly labelled with naphthalimide. <i>New Journal of Chemistry</i> , 2002, 26, 920-925.	1.4	97
49	A dual pH and temperature responsive polymeric fluorescent sensor and its imaging application in living cells. <i>Chemical Communications</i> , 2012, 48, 4486.	2.2	97
50	A polyamidoamine dendrimer with peripheral 1,8-naphthalimide groups capable of acting as a PET fluorescent sensor for metal cations. <i>New Journal of Chemistry</i> , 2003, 27, 337-340.	1.4	94
51	Synthesis, Insecticidal Activity, and QSAR of Novel Nitromethylene Neonicotinoids with Tetrahydropyridine Fixed Configuration and Exo-Ring Ether Modification. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2288-2292.	2.4	93
52	Overall status of neonicotinoid insecticides in China: Production, application and innovation. <i>Journal of Pesticide Sciences</i> , 2013, 38, 1-9.	0.8	93
53	Determination of organophosphate and carbamate pesticides based on enzyme inhibition using a pH-sensitive fluorescence probe. <i>Analytica Chimica Acta</i> , 2004, 523, 117-123.	2.6	90
54	Versatile trifunctional chemosensor of rhodamine derivative for Zn ²⁺ , Cu ²⁺ and His/Cys in aqueous solution and living cells. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8284.	1.5	87

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55	Novel Fluorescent Fluorine ¹⁹ Boron Complexes: Synthesis, Crystal Structure, Photoluminescence, and Electrochemistry Properties. <i>Journal of Organic Chemistry</i> , 2008, 73, 1571-1574.	1.7	86
56	A thioether-rich crown-based highly selective fluorescent sensor for Hg ²⁺ and Ag ⁺ in aqueous solution. <i>Dalton Transactions</i> , 2010, 39, 1316-1320.	1.6	85
57	A highly selective and sensitive fluorescence "turn-on" probe for Ag ⁺ in aqueous solution and live cells. <i>Dalton Transactions</i> , 2012, 41, 7212.	1.6	85
58	Highly selective fluorescent chemosensor with red shift for cysteine in buffer solution and its bioimaging: symmetrical naphthalimide aldehyde. <i>Tetrahedron Letters</i> , 2008, 49, 6624-6627.	0.7	84
59	Reaction-based Indicator displacement Assay (RIA) for the selective colorimetric and fluorometric detection of peroxynitrite. <i>Chemical Science</i> , 2015, 6, 2963-2967.	3.7	84
60	Sulfur-substituted naphthalimides as photoactivatable anticancer agents: DNA interaction, fluorescence imaging, and phototoxic effects in cultured tumor cells. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7107-7116.	1.4	81
61	A novel chromatism switcher with double receptors selectively for Ag ⁺ in neutral aqueous solution: 4,5-diaminoalkeneamino-N-alkyl-1,8-naphthalimides. <i>Tetrahedron Letters</i> , 2004, 45, 3969-3973.	0.7	80
62	Synthesis and Quantitative Structure-Activity Relationships of New 2,5-Disubstituted-1,3,4-oxadiazoles. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 124-130.	2.4	79
63	A revisit to the Hantzsch reaction: Unexpected products beyond 1,4-dihydropyridines. <i>Green Chemistry</i> , 2009, 11, 1414.	4.6	75
64	Design, Synthesis, and Insecticidal Activities of Novel Analogues of Neonicotinoids: Replacement of Nitromethylene with Nitroconjugated System. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 951-957.	2.4	74
65	Highly Selective Fluorescent Probe for Vicinal Dithiol-Containing Proteins and In Situ Imaging in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7551-7556.	7.2	74
66	A turn-on fluorescent probe for tumor hypoxia imaging in living cells. <i>Chemical Communications</i> , 2015, 51, 14739-14741.	2.2	74
67	cis-Nitromethylene neonicotinoids as new nicotinic family: Synthesis, structural diversity, and insecticidal evaluation of hexahydroimidazo[1,2- <i>b</i>]pyridine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6513-6516.	1.0	73
68	Practical Assay for Nitrite and Nitrosothiol as an Alternative to the Griess Assay or the 2,3-Diaminonaphthalene Assay. <i>Analytical Chemistry</i> , 2015, 87, 1274-1280.	3.2	73
69	A colorimetric sensor for Cu ²⁺ in aqueous solution based on metal ion-induced deprotonation: deprotonation/protonation mediated by Cu ²⁺ -ligand interactions. <i>Dalton Transactions</i> , 2009, , 1761.	1.6	71
70	A design concept of planar conjugated ladder oligomers of perylene bisimides and efficient synthetic strategy via regioselective photocyclization. <i>Chemical Communications</i> , 2010, 46, 2772.	2.2	71
71	An ESIPT-based fluorescent probe for sensitive detection of hydrazine in aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5344-5348.	1.5	70
72	Novel Bcl-2 Inhibitors: Discovery and Mechanism Study of Small Organic Apoptosis-Inducing Agents. <i>ChemBioChem</i> , 2007, 8, 113-121.	1.3	69

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73	Cross-Responsive Sensor Arrays for the Detection of Peptides in Aqueous Solution by Fluorescence Spectroscopy. <i>Chemistry - A European Journal</i> , 2010, 16, 104-113.	1.7	68
74	N-Fused quinoxalines and benzoquinoxalines as attractive emitters for organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5718.	2.7	68
75	Lethal and sublethal effects of cycloxaprid, a novel cis-nitromethylene neonicotinoid insecticide, on the mirid bug <i>Apolygus lucorum</i> . <i>Journal of Pest Science</i> , 2014, 87, 731-738.	1.9	68
76	cis-Configuration: A New Tactic/Rationale for Neonicotinoid Molecular Design. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2943-2949.	2.4	67
77	Novel Benzo-1,2,3-thiadiazole-7-carboxylate Derivatives As Plant Activators and the Development of Their Agricultural Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 346-353.	2.4	67
78	Photocalibrated NO Release from N-Nitrosated Naphthalimides upon One-Photon or Two-Photon Irradiation. <i>Analytical Chemistry</i> , 2016, 88, 7274-7280.	3.2	66
79	Novel chemically synthesized hydroxyl-containing jasmonates as powerful inducing signals for plant secondary metabolism. <i>Biotechnology and Bioengineering</i> , 2004, 86, 809-816.	1.7	65
80	A novel ratiometric sensor for the fast detection of palladium species with large red-shift and high resolution both in aqueous solution and solid state. <i>Analytica Chimica Acta</i> , 2013, 786, 139-145.	2.6	65
81	A simple fluorescent probe for Cd ²⁺ in aqueous solution with high selectivity and sensitivity. <i>Dalton Transactions</i> , 2013, 42, 8218.	1.6	65
82	Rhodamine-based fluorescent off-on sensor for Fe ³⁺ in aqueous solution and in living cells: 8-aminoquinoline receptor and 2-aminopyridine binding. <i>Dalton Transactions</i> , 2014, 43, 5983-5989.	1.6	65
83	A small molecular fluorescent sensor functionalized silica microsphere for detection and removal of mercury, cadmium, and lead ions in aqueous solutions. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 762-771.	4.0	65
84	Super-Resolution Monitoring of Mitochondrial Dynamics upon Time-Gated Photo-Triggered Release of Nitric Oxide. <i>Analytical Chemistry</i> , 2018, 90, 2164-2169.	3.2	65
85	Trace mercury (II) detection and separation in serum and water samples using a reusable bifunctional fluorescent sensor. <i>Analytica Chimica Acta</i> , 2009, 651, 227-233.	2.6	64
86	A highly selective and sensitive near-infrared fluorescence probe for arylamine N-acetyltransferase 2 in vitro and in vivo. <i>Chemical Science</i> , 2013, 4, 2936.	3.7	64
87	Novel highly efficient fluoroionophores with a peri-effect and strong electron-donating receptors: TICT-promoted PET and signaling response to transition metal cations with low background emission. <i>Tetrahedron Letters</i> , 2003, 44, 2087-2091.	0.7	63
88	Core-Perfluoroalkylated Perylene Diimides and Naphthalene Diimides: Versatile Synthesis, Solubility, Electrochemistry, and Optical Properties. <i>Journal of Organic Chemistry</i> , 2010, 75, 3007-3016.	1.7	63
89	7b, a novel naphthalimide derivative, exhibited anti-inflammatory effects via targeted-inhibiting TAK1 following down-regulation of ERK1/2- and p38 MAPK-mediated activation of NF- κ B in LPS-stimulated RAW264.7 macrophages. <i>International Immunopharmacology</i> , 2013, 17, 216-228.	1.7	62
90	Soluble Diazaptycenes: Materials for Solution-Processed Organic Electronics. <i>Journal of Organic Chemistry</i> , 2015, 80, 582-589.	1.7	62

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91	Naphthalimide-thiazoles as novel photonucleases: molecular design, synthesis, and evaluation. <i>Tetrahedron Letters</i> , 2004, 45, 1247-1251.	0.7	61
92	Trifluoromethyltriphenodioxazine: Air-Stable and High-Performance n-Type Semiconductor. <i>Organic Letters</i> , 2008, 10, 3025-3028.	2.4	61
93	Synthesis and insecticidal activity of new substituted N-aryl-N ² -benzoylthiourea compounds. <i>Journal of Fluorine Chemistry</i> , 2003, 121, 51-54.	0.9	59
94	Long-wavelength boradiazaindacene derivatives with two-photon absorption activity and strong emission: versatile candidates for biological imaging applications. <i>Tetrahedron</i> , 2009, 65, 8099-8103.	1.0	59
95	Novel fluorescent markers for hypoxic cells of naphthalimides with two heterocyclic side chains for bioreductive binding. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2935-2941.	1.4	58
96	Novel thiazonaphthalimides as efficient antitumor and DNA photocleaving agents: Effects of intercalation, side chains, and substituent groups. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4864-4870.	1.4	56
97	Highly Sensitive Hill-Type Small-Molecule pH Probe That Recognizes the Reversed pH Gradient of Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 5803-5809.	3.2	56
98	Synthesis and Antifeedant Activity of New Oxadiazolyl 3(2H)-Pyridazinones. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 152-155.	2.4	55
99	A highly selective Cd ²⁺ sensor of naphthyridine: fluorescent enhancement and red-shift by the synergistic action of forming binuclear complex. <i>Tetrahedron Letters</i> , 2008, 49, 3380-3384.	0.7	55
100	Modulating the selectivity of near-IR fluorescent probes toward various metal ions by judicious choice of aqueous buffer solutions. <i>Chemical Communications</i> , 2011, 47, 3915.	2.2	55
101	Discrimination and Classification of Ginsenosides and Ginsengs Using Bis-Boronic Acid Receptors in Dynamic Multicomponent Indicator Displacement Sensor Arrays. <i>Chemistry - A European Journal</i> , 2012, 18, 1102-1110.	1.7	55
102	A dual channel chemodosimeter for Hg ²⁺ and Ag ⁺ using a 1,3-dithiane modified BODIPY. <i>New Journal of Chemistry</i> , 2012, 36, 1621.	1.4	54
103	Oxo-heterocyclic fused naphthalimides as antitumor agents: Synthesis and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 130-138.	2.6	54
104	Synthesis and Herbicidal Activity of Novel 3-Aminocarbonyl-2-oxazolidinethione Derivatives Containing a Substituted Pyridine Ring. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 125-129.	2.4	53
105	5-Non-amino aromatic substituted naphthalimides as potential antitumor agents: Synthesis via Suzuki reaction, antiproliferative activity, and DNA-binding behavior. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 961-967.	1.4	53
106	Integrated and insulated boronate-based fluorescent probes for the detection of hydrogen peroxide. <i>Chemical Communications</i> , 2013, 49, 8311.	2.2	53
107	A novel N-acetylhexosaminidase from the insect <i>Ostrinia furnacalis</i> (Guené). <i>FEBS Journal</i> , 2008, 275, 5690-5702.	2.2	52
108	Novel naphthalimide-amino acid conjugates with flexible leucine moiety as side chain: Design, synthesis and potential antitumor activity. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 592-599.	1.4	52

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109	Syntheses and insecticidal activity of new 2-(5-(trifluoromethyl)pyridyloxymethyl)-1,3,4-oxadiazoles. <i>Journal of Fluorine Chemistry</i> , 2002, 117, 63-66.	0.9	51
110	Acenaphtho[1,2-b]pyrrole derivatives as new family of intercalators: Various DNA binding geometry and interesting antitumor capacity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6962-6970.	1.4	51
111	Multiple molecular logic functions and molecular calculations facilitated by surfactant's versatility. <i>Chemical Communications</i> , 2008, , 4141.	2.2	51
112	A ratiometric fluorescent probe for fast and sensitive detection of peroxyxynitrite: a boronate ester as the receptor to initiate a cascade reaction. <i>RSC Advances</i> , 2014, 4, 51589-51592.	1.7	50
113	Temperature-sensitive copolymer-coated fluorescent mesoporous silica nanoparticles as a reactive oxygen species activated drug delivery system. <i>International Journal of Pharmaceutics</i> , 2018, 536, 11-20.	2.6	50
114	Responses of defense signals, biosynthetic gene transcription and taxoid biosynthesis to elicitation by a novel synthetic jasmonate in cell cultures of <i>Taxus chinensis</i> . <i>Biotechnology and Bioengineering</i> , 2006, 94, 1064-1071.	1.7	49
115	Ratiometric and reusable fluorescent nanoparticles for Zn ²⁺ and H ₂ PO ₄ ⁻ detection in aqueous solution and living cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 10755.	6.7	49
116	Substituent-dependent fluorescent sensors for zinc ions based on carboxamidoquinoline. <i>Dalton Transactions</i> , 2012, 41, 11776.	1.6	49
117	Highly-efficient DNA photocleavers with long wavelength absorptions: thio-heterocyclic fused naphthalimides containing aminoalkyl side chains. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2665-2668.	1.0	48
118	Five-member thio-heterocyclic fused naphthalimides with aminoalkyl side chains: intercalation and photocleavage to DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1139-1142.	1.0	48
119	Naphthalimide intercalators with chiral amino side chains: Effects of chirality on DNA binding, photodamage and antitumor cytotoxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6210-6213.	1.0	48
120	A highly sensitive and selective hypochlorite fluorescent probe based on oxidation of hydrazine via free radical mechanism. <i>Dyes and Pigments</i> , 2016, 126, 218-223.	2.0	48
121	Efficient induction of ginsenoside biosynthesis and alteration of ginsenoside heterogeneity in cell cultures of <i>Panax notoginseng</i> by using chemically synthesized 2-hydroxyethyl jasmonate. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 298-307.	1.7	47
122	Actions between neonicotinoids and key residues of insect nAChR based on an ab initio quantum chemistry study: Hydrogen bonding and cooperative π - π interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 2624-2630.	1.4	47
123	Modulating the selectivity by switching sensing media: a bifunctional chemosensor selectivity for Cd ²⁺ and Pb ²⁺ in different aqueous solutions. <i>RSC Advances</i> , 2012, 2, 6323.	1.7	47
124	Simultaneous Quantification of Hg ²⁺ and MeHg ⁺ in Aqueous Media with a Single Fluorescent Probe by Multiplexing in the Time Domain. <i>Analytical Chemistry</i> , 2014, 86, 11919-11924.	3.2	47
125	Design, Synthesis, X-ray Crystallographic Analysis, and Biological Evaluation of Thiazole Derivatives as Potent and Selective Inhibitors of Human Dihydroorotate Dehydrogenase. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1123-1139.	2.9	47
126	Novel nitroheterocyclic hypoxic markers for solid tumor: Synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3255-3260.	1.4	46

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127	Unprecedented laser action from energy transfer in multichromophoric BODIPY cassettes. <i>Chemical Communications</i> , 2011, 47, 11513.	2.2	45
128	Alkynylated Phenazines: Synthesis, Characterization, and Metal-Binding Properties of Their Bis-Triazolyl Cycloadducts. <i>Journal of Organic Chemistry</i> , 2012, 77, 7479-7486.	1.7	45
129	A new class of long-wavelength fluorophores: strong red fluorescence, convenient synthesis and easy derivation. <i>Chemical Communications</i> , 2005, , 239.	2.2	44
130	Novel efficient anticancer agents and DNA-intercalators of 1,2,3-triazol-1,8-naphthalimides: design, synthesis, and biological activity. <i>Tetrahedron</i> , 2011, 67, 2299-2304.	1.0	44
131	Structurally Rigid 9-Amino-benzo[<i>c</i>]cinnoliniums Make Up a Class of Compact and Large Stokes-Shift Fluorescent Dyes for Cell-Based Imaging Applications. <i>Journal of Organic Chemistry</i> , 2015, 80, 5906-5911.	1.7	44
132	A fluorescent sensor for pyrophosphate based on a Pd(ii) complex. <i>Dalton Transactions</i> , 2010, 39, 7114.	1.6	43
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