Jong Seung Kim

List of Publications by Year
in descending order

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534	51,920	1294	1745
papers	citations	109 h-index	212 g-index

567	567	567	32269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescent and colorimetric sensors for detection of lead, cadmium, and mercury ions. Chemical Society Reviews, 2012, 41, 3210-3244.	18.7	2,019
2	Fluorescent Chemosensors Based on Spiroring-Opening of Xanthenes and Related Derivatives. Chemical Reviews, 2012, 112, 1910-1956.	23.0	1,795
3	A new trend in rhodamine-based chemosensors: application of spirolactam ring-opening to sensing ions. Chemical Society Reviews, 2008, 37, 1465.	18.7	1,527
4	Small molecule-based ratiometric fluorescence probes for cations, anions, and biomolecules. Chemical Society Reviews, 2015, 44, 4185-4191.	18.7	1,379
5	Fluoro- and Chromogenic Chemodosimeters for Heavy Metal Ion Detection in Solution and Biospecimens. Chemical Reviews, 2010, 110, 6280-6301.	23.0	1,252
6	Calixarene-Derived Fluorescent Probes. Chemical Reviews, 2007, 107, 3780-3799.	23.0	1,173
7	Organic molecule-based photothermal agents: an expanding photothermal therapy universe. Chemical Society Reviews, 2018, 47, 2280-2297.	18.7	1,068
8	Coumarin-Derived Cu²⁺-Selective Fluorescence Sensor: Synthesis, Mechanisms, and Applications in Living Cells. Journal of the American Chemical Society, 2009, 131, 2008-2012.	6.6	992
9	Coumarin-Based Small-Molecule Fluorescent Chemosensors. Chemical Reviews, 2019, 119, 10403-10519.	23.0	814
10	Recent progress in luminescent and colorimetric chemosensors for detection of thiols. Chemical Society Reviews, 2013, 42, 6019.	18.7	781
11	Recent progress in fluorescent and colorimetric chemosensors for detection of precious metal ions (silver, gold and platinum ions). Chemical Society Reviews, 2011, 40, 3416.	18.7	731
12	Macro-/micro-environment-sensitive chemosensing and biological imaging. Chemical Society Reviews, 2014, 43, 4563-4601.	18.7	720
13	Disulfide-Cleavage-Triggered Chemosensors and Their Biological Applications. Chemical Reviews, 2013, 113, 5071-5109.	23.0	687
14	Electrochemical detection of dopamine in the presence of ascorbic acid using graphene modified electrodes. Biosensors and Bioelectronics, 2010, 25, 2366-2369.	5.3	663
15	Multifunctional sonosensitizers in sonodynamic cancer therapy. Chemical Society Reviews, 2020, 49, 3244-3261.	18.7	560
16	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. Chemical Society Reviews, 2019, 48, 2891-2912.	18.7	482
17	Fluorescent and colorimetric sensors for the detection of humidity or water content. Chemical Society Reviews, 2016, 45, 1242-1256.	18.7	440
18	Rhodamine-Based Hg2+-Selective Chemodosimeter in Aqueous Solution:Â Fluorescent OFFâ˜ON. Organic Letters, 2007, 9, 907-910.	2.4	435

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19	Fluorescent bioimaging of pH: from design to applications. Chemical Society Reviews, 2017, 46, 2076-2090.	18.7	432
20	Emerging combination strategies with phototherapy in cancer nanomedicine. Chemical Society Reviews, 2020, 49, 8065-8087.	18.7	427
21	A Self-Calibrating Bipartite Viscosity Sensor for Mitochondria. Journal of the American Chemical Society, 2013, 135, 9181-9185.	6.6	396
22	Mitochondria-Immobilized pH-Sensitive Offâ€“On Fluorescent Probe. Journal of the American Chemical Society, 2014, 136, 14136-14142.	6.6	395
23	Hepatocyte-Targeting Single Galactose-Appended Naphthalimide: A Tool for Intracellular Thiol Imaging in Vivo. Journal of the American Chemical Society, 2012, 134, 1316-1322.	6.6	379
24	Chromogenic and fluorogenic chemosensors and reagents for anions. A comprehensive review of the year 2009. Chemical Society Reviews, 2011, 40, 2593.	18.7	364
25	Omnipotent phosphorene: a next-generation, two-dimensional nanoplatform for multidisciplinary biomedical applications. Chemical Society Reviews, 2018, 47, 5588-5601.	18.7	352
26	Chromogenic/Fluorogenic Ensemble Chemosensing Systems. Chemical Reviews, 2015, 115, 7893-7943.	23.0	351
27	Hypoxia-targeted drug delivery. Chemical Society Reviews, 2019, 48, 771-813.	18.7	350
28	Small conjugate-based theranostic agents: an encouraging approach for cancer therapy. Chemical Society Reviews, 2015, 44, 6670-6683.	18.7	335
29	Revisiting Fluorescent Calixarenes: From Molecular Sensors to Smart Materials. Chemical Reviews, 2019, 119, 9657-9721.	23.0	331
30	A Fluoride-Selective PCT Chemosensor Based on Formation of a Static Pyrene Excimer. Organic Letters, 2005, 7, 4839-4842.	2.4	318
31	Highly Sensitive and Selective Chemosensor for Hg2+Based on the Rhodamine Fluorophore. Organic Letters, 2007, 9, 2501-2504.	2.4	311
32	Naphthalimide Modified Rhodamine Derivative: Ratiometric and Selective Fluorescent Sensor for Cu²⁺ Based on Two Different Approaches. Organic Letters, 2010, 12, 3852-3855.	2.4	307
33	An Excimer-Based, Binuclear, Onâ˜Off Switchable Calix[4]crown Chemosensor. Journal of the American Chemical Society, 2004, 126, 16499-16506.	6.6	303
34	A Highly Selective Colorimetric and Ratiometric Two-Photon Fluorescent Probe for Fluoride Ion Detection. Organic Letters, 2011, 13, 1190-1193.	2.4	301
35	Recent development of biotin conjugation in biological imaging, sensing, and target delivery. Chemical Communications, 2015, 51, 10403-10418.	2.2	295
36	A Pyrenyl-Appended Triazole-Based Calix[4]arene as a Fluorescent Sensor for Cd²⁺and Zn²⁺. Journal of Organic Chemistry, 2008, 73, 8212-8218.	1.7	292

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37	Gemcitabineâ€“Coumarinâ€“Biotin Conjugates: A Target Specific Theranostic Anticancer Prodrug. Journal of the American Chemical Society, 2013, 135, 4567-4572.	6.6	290
38	A Mitochondria-Targeted Cryptocyanine-Based Photothermogenic Photosensitizer. Journal of the American Chemical Society, 2017, 139, 9972-9978.	6.6	288
39	Novel Optical/Electrochemical Selective 1,2,3-Triazole Ring-Appended Chemosensor for the Al³⁺ Ion. Organic Letters, 2010, 12, 560-563.	2.4	285
40	Direct Fluorescence Monitoring of the Delivery and Cellular Uptake of a Cancer-Targeted RGD Peptide-Appended Naphthalimide Theragnostic Prodrug. Journal of the American Chemical Society, 2012, 134, 12668-12674.	6.6	274
41	Fluorogenic reaction-based prodrug conjugates as targeted cancer theranostics. Chemical Society Reviews, 2018, 47, 28-52.	18.7	270
42	Overcoming the Limits of Hypoxia in Photodynamic Therapy: A Carbonic Anhydrase IX-Targeted Approach. Journal of the American Chemical Society, 2017, 139, 7595-7602.	6.6	261
43	Overcoming barriers in photodynamic therapy harnessing nano-formulation strategies. Chemical Society Reviews, 2021, 50, 9152-9201.	18.7	254
44	A novel strategy to selectively detect Fe(iii) in aqueous media driven by hydrolysis of a rhodamine 6GSchiff base. Chemical Communications, 2010, 46, 1407-1409.	2.2	251
45	Recognition of amino acids by functionalized calixarenes. Chemical Society Reviews, 2011, 40, 2777.	18.7	250
46	In Vivo Imaging of Endogenously Produced HClO in Zebrafish and Mice Using a Bright, Photostable Ratiometric Fluorescent Probe. Analytical Chemistry, 2019, 91, 4172-4178.	3.2	248
47	Fluorescence imaging of pathophysiological microenvironments. Chemical Society Reviews, 2021, 50, 8887-8902.	18.7	247
48	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28667-28677.	3.3	244
49	Unimolecular Photodynamic O₂-Economizer To Overcome Hypoxia Resistance in Phototherapeutics. Journal of the American Chemical Society, 2020, 142, 5380-5388.	6.6	242
50	Metal Ion Induced FRET OFFâ^'ON in Tren/Dansyl-Appended Rhodamine. Organic Letters, 2008, 10, 213-216.	2.4	236
51	Recent developments of thiacalixarene based molecular motifs. Chemical Society Reviews, 2014, 43, 4824.	18.7	235
52	Versatile Types of Inorganic/Organic NIR-IIa/IIb Fluorophores: From Strategic Design toward Molecular Imaging and Theranostics. Chemical Reviews, 2022, 122, 209-268.	23.0	232
53	An Activatable Prodrug for the Treatment of Metastatic Tumors. Journal of the American Chemical Society, 2014, 136, 13888-13894.	6.6	231
54	Nanomolar Hg(II) Detection Using Nile Blue Chemodosimeter in Biological Media. Organic Letters, 2009, 11, 2101-2104.	2.4	228

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55	A materials-science perspective on tackling COVID-19. Nature Reviews Materials, 2020, 5, 847-860.	23.3	228
56	Hostâ€“guest sensing by calixarenes on the surfaces. Chemical Society Reviews, 2012, 41, 1173-1190.	18.7	227
57	Twoâ€Color Probe to Monitor a Wide Range of pH Values in Cells. Angewandte Chemie - International Edition, 2013, 52, 6206-6209.	7.2	227
58	Advanced biotechnology-assisted precise sonodynamic therapy. Chemical Society Reviews, 2021, 50, 11227-11248.	18.7	219
59	Coumarin-Cu(II) Ensemble-Based Cyanide Sensing Chemodosimeter. Organic Letters, 2011, 13, 5056-5059.	2.4	216
60	A cysteine-selective fluorescent probe for the cellular detection of cysteine. Biomaterials, 2012, 33, 945-953.	5.7	213
61	Disulfide-Based Multifunctional Conjugates for Targeted Theranostic Drug Delivery. Accounts of Chemical Research, 2015, 48, 2935-2946.	7.6	205
62	An Activatable Theranostic for Targeted Cancer Therapy and Imaging. Angewandte Chemie - International Edition, 2014, 53, 4469-4474.	7.2	204
63	Naphthalimide trifluoroacetyl acetonate: a hydrazine-selective chemodosimetric sensor. Chemical Science, 2013, 4, 4121.	3.7	195
64	Super-resolution fluorescent materials: an insight into design and bioimaging applications. Chemical Society Reviews, 2016, 45, 4651-4667.	18.7	195
65	Folate-Based Near-Infrared Fluorescent Theranostic Gemcitabine Delivery. Journal of the American Chemical Society, 2013, 135, 11657-11662.	6.6	192
66	Chemical sensing of neurotransmitters. Chemical Society Reviews, 2014, 43, 4684-4713.	18.7	192
67	Calix[4]arene-Based, Hg²⁺-Induced Intramolecular Fluorescence Resonance Energy Transfer Chemosensor. Journal of Organic Chemistry, 2007, 72, 7634-7640.	1.7	191
68	Coumarin-Based Thiol Chemosensor: Synthesis, Turn-On Mechanism, and Its Biological Application. Organic Letters, 2011, 13, 1498-1501.	2.4	189
69	KCN sensor: unique chromogenic and â€˜turn-onâ€™ fluorescent chemodosimeter: rapid response and high selectivity. Chemical Communications, 2011, 47, 2886.	2.2	188
70	Î²-Vinyl substituted calix[4]pyrrole as a selective ratiometric sensor for cyanide anion. Chemical Communications, 2009, , 189-191.	2.2	183
71	Mitochondrial Induced and Self-Monitored Intrinsic Apoptosis by Antitumor Theranostic Prodrug: In Vivo Imaging and Precise Cancer Treatment. Journal of the American Chemical Society, 2014, 136, 17836-17843.	6.6	178
72	Cu²⁺-Induced Intermolecular Static Excimer Formation of Pyrenealkylamine. Organic Letters, 2008, 10, 1963-1966.	2.4	177

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73	Unique Hydrogen Bonds between 9-Anthracenyl Hydrogen and Anions. Journal of Organic Chemistry, 2004, 69, 5155-5157.	1.7	172
74	Enhanced NIR Radiation-Triggered Hyperthermia by Mitochondrial Targeting. Journal of the American Chemical Society, 2015, 137, 3017-3023.	6.6	168
75	Cu²⁺ Ion-Induced Self-Assembly of Pyrenylquinoline with a Pyrenyl Excimer Formation. Organic Letters, 2009, 11, 3378-3381.	2.4	167
76	Dipyrenylcalix[4]areneâ€"A Fluorescenceâ€Based Chemosensor for Trinitroaromatic Explosives. Chemistry - A European Journal, 2010, 16, 5895-5901.	1.7	166
77	Rationally designed fluorescence â€˜turn-onâ€™ sensor for Cu2+. Chemical Communications, 2011, 47, 3165.	2.2	161
78	An iminocoumarinâ€“Cu(ii) ensemble-based chemodosimeter toward thiols. Chemical Communications, 2011, 47, 5142.	2.2	159
79	Pyrophosphate-Selective Fluorescent Chemosensor Based on 1,8-Naphthalimideâ€“DPAâ€“Zn(II) Complex and Its Application for Cell Imaging. Organic Letters, 2011, 13, 5294-5297.	2.4	158
80	A Calix[4]arene Strapped Calix[4]pyrrole: An Ion-Pair Receptor Displaying Three Different Cesium Cation Recognition Modes. Journal of the American Chemical Society, 2010, 132, 5827-5836.	6.6	157
81	Bifunctional Fluorescent Calix[4]arene Chemosensor for Both a Cation and an Anion. Journal of Organic Chemistry, 2005, 70, 1463-1466.	1.7	156
82	A PCT-Based, Pyrene-Armed Calix[4]crown Fluoroionophore. Journal of Organic Chemistry, 2006, 71, 8011-8015.	1.7	155
83	A Rationally Designed Fluorescence Turn-On Probe for the Gold(III) Ion. Organic Letters, 2010, 12, 932-934.	2.4	155
84	Selectively Chemodosimetric Detection of Hg(II) in Aqueous Media. Organic Letters, 2007, 9, 4515-4518.	2.4	152
85	Crown-6-calix[4]arene-Capped Calix[4]pyrrole: An Ion-Pair Receptor for Solvent-Separated CsF Ions. Journal of the American Chemical Society, 2008, 130, 13162-13166.	6.6	152
86	Mitochondrial Thioredoxin-Responding Offâ€“On Fluorescent Probe. Journal of the American Chemical Society, 2012, 134, 17314-17319.	6.6	151
87	Photodynamic therapy for hypoxic tumors: Advances and perspectives. Coordination Chemistry Reviews, 2021, 438, 213888.	9.5	151
88	Pyrene-Armed Calix[4]azacrowns as New Fluorescent Ionophores:Â â€œMolecular Taekowndoâ€•Process via Fluorescence Change. Journal of Organic Chemistry, 2002, 67, 2348-2351.	1.7	146
89	Arsenene-mediated multiple independently targeted reactive oxygen species burst for cancer therapy. Nature Communications, 2021, 12, 4777.	5.8	144
90	Pyrene Excimer-Based Calix[4]arene FRET Chemosensor for Mercury(II). Journal of Organic Chemistry, 2010, 75, 7159-7165.	1.7	143

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91	Molecular modulated cysteine-selective fluorescent probe. Biomaterials, 2012, 33, 8495-8502.	5.7	142
92	Recent advances in Gd-chelate based bimodal optical/MRI contrast agents. Chemical Society Reviews, 2015, 44, 1791-1806.	18.7	137
93	Rational design of a multifunctional molecular dye for dual-modal NIR-II/photoacoustic imaging and photothermal therapy. Chemical Science, 2019, 10, 8348-8353.	3.7	137
94	Fluorescent Imaging of Reactive Oxygen and Nitrogen Species Associated with Pathophysiological Processes. CheM, 2020, 6, 832-866.	5.8	133
95	Highly Effective Fluorescent and Colorimetric Sensors for Pyrophosphate over H2PO4-in 100% Aqueous Solution. Journal of Organic Chemistry, 2005, 70, 9603-9606.	1.7	132
96	Molecular Taekwondo. 2. A New Calix[4]azacrown Bearing Two Different Binding Sites as a New Fluorescent Ionophore. Journal of Organic Chemistry, 2003, 68, 597-600.	1.7	130
97	Liposomal Texaphyrin Theranostics for Metastatic Liver Cancer. Journal of the American Chemical Society, 2016, 138, 16380-16387.	6.6	130
98	Detection of Cu^{II} by a Chemodosimeterâ€Functionalized Monolayer on Mesoporous Silica. Advanced Materials, 2008, 20, 3229-3234.	11.1	127
99	A ratiometric fluorescent probe for detecting hypochlorite in the endoplasmic reticulum. Chemical Communications, 2019, 55, 2533-2536.	2.2	126
100	Reaction-based fluorescent probes for SO2 derivatives and their biological applications. Coordination Chemistry Reviews, 2019, 388, 310-333.	9.5	126
101	Rhodamineâ€Based â€œTurnâ€Onâ€•Fluorescent Chemodosimeter for Cu(II) on Ultrathin Platinum Films as Molecular Switches. Advanced Materials, 2008, 20, 4428-4432.	11.1	122
102	Design and applications of fluorescent detectors for peroxynitrite. Coordination Chemistry Reviews, 2018, 374, 36-54.	9.5	122
103	FRET-derived ratiometric fluorescence sensor for Cu2+. Tetrahedron, 2008, 64, 1294-1300.	1.0	121
104	A new fluorescent chemosensor for Fâ˜ based on inhibition of excited-state intramolecular proton transfer. Tetrahedron Letters, 2009, 50, 983-987.	0.7	121
105	A regenerative electrochemical sensor based on oligonucleotide for the selective determination of mercury(ii). Analyst, The, 2009, 134, 1857.	1.7	120
106	Rational Design of in Vivo Tau Tangle-Selective Near-Infrared Fluorophores: Expanding the BODIPY Universe. Journal of the American Chemical Society, 2017, 139, 13393-13403.	6.6	117
107	Highly Sensitive Gold Nanoparticle-Based Colorimetric Sensing of Mercury(II) through Simple Ligand Exchange Reaction in Aqueous Media. ACS Applied Materials & Interfaces, 2010, 2, 292-295.	4.0	116
108	Rationally Designed Fluorescence Turn-On Sensors: A New Design Strategy Based on Orbital Control. Inorganic Chemistry, 2010, 49, 8552-8557.	1.9	115

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109	Fluorescence turn-on sensors for HSO4â^'. Chemical Communications, 2009, , 7128.	2.2	114
110	A cryptand based chemodosimetric probe for naked-eye detection of mercury(ii) ion in aqueous medium and its application in live cell imaging. Chemical Communications, 2009, , 4417.	2.2	108
111	Nanoscale porous organic polymers for drug delivery and advanced cancer theranostics. Chemical Society Reviews, 2021, 50, 12883-12896.	18.7	108
112	InÂvivo imaging of Î²-galactosidase stimulated activity in hepatocellular carcinoma using ligand-targeted fluorescent probe. Biomaterials, 2017, 122, 83-90.	5.7	107
113	Metal-based anticancer agents as immunogenic cell death inducers: the past, present, and future. Chemical Society Reviews, 2022, 51, 1212-1233.	18.7	107
114	A novel pyrenyl-appended tricalix[4]arene for fluorescence-sensing of Al(III). Tetrahedron, 2007, 63, 10793-10800.	1.0	106
115	A naphthalimideâ€"calixarene as a two-faced and highly selective fluorescent chemosensor for Cu2+ or Fâ^'. Tetrahedron Letters, 2007, 48, 9151-9154.	0.7	106
116	A Nile Red/BODIPY-based bimodal probe sensitive to changes in the micropolarity and microviscosity of the endoplasmic reticulum. Chemical Communications, 2014, 50, 11672-11675.	2.2	106
117	Pnictogens in medicinal chemistry: evolution from erstwhile drugs to emerging layered photonic nanomedicine. Chemical Society Reviews, 2021, 50, 2260-2279.	18.7	106
118	Shedding light on tau protein aggregation: the progress in developing highly selective fluorophores. Chemical Society Reviews, 2018, 47, 2249-2265.	18.7	105
119	The role of copper ions in pathophysiology and fluorescent sensors for the detection thereof. Chemical Communications, 2015, 51, 5556-5571.	2.2	104
120	Reconsidering azobenzene as a component of small-molecule hypoxia-mediated cancer drugs: A theranostic case study. Biomaterials, 2017, 115, 104-114.	5.7	104
121	Fluorescent Probes for Nanoscopic Imaging of Mitochondria. CheM, 2019, 5, 1697-1726.	5.8	104
122	Chemiluminescent Probe for the Inâ€...Vitro and Inâ€...Vivo Imaging of Cancers Overâ€Expressing NQO1. Angewandte Chemie - International Edition, 2019, 58, 1739-1743.	7.2	104
123	Cancer stem cell-targeted bio-imaging and chemotherapeutic perspective. Chemical Society Reviews, 2020, 49, 7856-7878.	18.7	104
124	Indium(III)-Induced Fluorescent Excimer Formation and Extinction in Calix[4]areneâ^'Fluoroionophores. Inorganic Chemistry, 2005, 44, 7866-7875.	1.9	103
125	Emerging 2D material-based nanocarrier for cancer therapy beyond graphene. Coordination Chemistry Reviews, 2019, 400, 213041.	9.5	103
126	NIR-II emissive multifunctional AIEgen with single laser-activated synergistic photodynamic/photothermal therapy of cancers and pathogens. Biomaterials, 2020, 259, 120315.	5.7	103

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127	Luminophore-immobilized mesoporous silica for selective Hg2+ sensing. Tetrahedron, 2007, 63, 12087-12092.	1.0	102
128	Two-Photon Absorption Properties of Alkynyl-Conjugated Pyrene Derivatives. Journal of Organic Chemistry, 2008, 73, 5127-5130.	1.7	102
129	Organelle-selective fluorescent Cu²⁺ion probes: revealing the endoplasmic reticulum as a reservoir for Cu-overloading. Chemical Communications, 2014, 50, 3197-3200.	2.2	99
130	Ion-Induced FRET Onâ^'Off in Fluorescent Calix[4]arene. Journal of Organic Chemistry, 2007, 72, 4242-4245.	1.7	98
131	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(<scp>ii</scp>) metallacycle for efficient cancer imaging and therapy. Chemical Science, 2019, 10, 7023-7028.	3.7	98
132	Fluoride-Sensing Calix-luminophores Based on Regioselective Binding. Journal of Organic Chemistry, 2006, 71, 6611-6614.	1.7	97
133	Unique blue shift due to the formation of static pyrene excimer: highly selective fluorescent chemosensor for Cu2+. Tetrahedron Letters, 2006, 47, 4577-4580.	0.7	96
134	Effect of nanosized and surface-modified precipitated calcium carbonate on properties of CaCO3/polypropylene nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 501, 87-93.	2.6	96
135	A biotin-guided formaldehyde sensor selectively detecting endogenous concentrations in cancerous cells and tissues. Chemical Communications, 2016, 52, 11247-11250.	2.2	96
136	Chiral gold nanoparticle-based electrochemical sensor for enantioselective recognition of 3,4-dihydroxyphenylalanine. Chemical Communications, 2010, 46, 5665.	2.2	95
137	Fluorescent Diagnostic Probes in Neurodegenerative Diseases. Advanced Materials, 2020, 32, e2001945.	11.1	95
138	Small-molecule Fluorescent Chemosensors for Hg2+ â€¯Ion. Analytical Sciences, 2009, 25, 1271-1281.	0.8	94
139	Cesium-ion selective electrodes based on calix[4]arene dibenzocrown ethers. Talanta, 1999, 48, 705-710.	2.9	93
140	Nanomaterial designing strategies related to cell lysosome and their biomedical applications: A review. Biomaterials, 2019, 211, 25-47.	5.7	92
141	Synthesis and Metal Ion Complexation Studies of Proton-Ionizable Calix[4]azacrown Ethers in the 1,3-Alternate Conformation. Journal of Organic Chemistry, 2000, 65, 2386-2392.	1.7	91
142	Photocatalytic Superoxide Radical Generator that Induces Pyroptosis in Cancer Cells. Journal of the American Chemical Society, 2022, 144, 11326-11337.	6.6	90
143	Multi-wall carbon nanotubes (MWCNTs)-doped polypyrrole DNA biosensor for label-free detection of genetically modified organisms by QCM and EIS. Talanta, 2010, 80, 1164-1169.	2.9	89
144	Controlling Cesium Cation Recognition via Cation Metathesis within an Ion Pair Receptor. Journal of the American Chemical Society, 2012, 134, 1782-1792.	6.6	87

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145	Fluorescent coumarinyldithiane as a selective chemodosimeter for mercury(II) ion in aqueous solution. Tetrahedron Letters, 2009, 50, 5958-5961.	0.7	85
146	Development of a theranostic prodrug for colon cancer therapy by combining ligand-targeted delivery and enzyme-stimulated activation. Biomaterials, 2018, 155, 145-151.	5.7	85
147	Overcoming Drug Resistance by Targeting Cancer Bioenergetics with an Activatable Prodrug. CheM, 2018, 4, 2370-2383.	5.8	85
148	Fluorescence Ratiometry of Monomer/Excimer Emissions in a Space-Through PET System. Journal of Organic Chemistry, 2005, 70, 9288-9295.	1.7	84
149	Hypoxia-directed and activated theranostic agent: Imaging and treatment of solid tumor. Biomaterials, 2016, 104, 119-128.	5.7	84
150	Mitochondria-targeted aggregation induced emission theranostics: crucial importance of in situ activation. Chemical Science, 2016, 7, 6050-6059.	3.7	83
151	Ferrocene-Appended Aryl Triazole for Electrochemical Recognition of Phosphate Ions. Organic Letters, 2011, 13, 4386-4389.	2.4	82
152	KF and CsF Recognition and Extraction by a Calix[4]crown-5 Strapped Calix[4]pyrrole Multitopic Receptor. Journal of the American Chemical Society, 2012, 134, 20837-20843.	6.6	82
153	Hyperbranched calixarenes: synthesis and applications as fluorescent probes. Chemical Communications, 2009, , 4791.	2.2	80
154	A fluorescence offâ€“on reporter for real time monitoring of gemcitabine delivery to the cancer cells. Chemical Communications, 2013, 49, 7141.	2.2	80
155	An AIEâ€Based Probe for Rapid and Ultrasensitive Imaging of Plasma Membranes in Biosystems. Angewandte Chemie - International Edition, 2020, 59, 9962-9966.	7.2	80
156	Chromofluorescent Indicator for Intracellular Zn²⁺/Hg²⁺ Dynamic Exchange. Organic Letters, 2008, 10, 3801-3804.	2.4	77
157	Rhodamine-based chemosensing monolayers on glass as a facile fluorescent â€œturn-onâ€•sensing film for selective detection of Pb2+. Talanta, 2011, 83, 1359-1363.	2.9	77
158	Bisindole anchored mesoporous silica nanoparticles for cyanide sensing in aqueous media. Chemical Communications, 2011, 47, 10918.	2.2	76
159	Rational design of biotinâ€“disulfideâ€“coumarin conjugates: a cancer targeted thiol probe and bioimaging. Chemical Communications, 2014, 50, 3044.	2.2	76
160	Toward a Chemical Marker for Inflammatory Disease: A Fluorescent Probe for Membrane-Localized Thioredoxin. Journal of the American Chemical Society, 2014, 136, 8430-8437.	6.6	76
161	Targeting Heterogeneous Tumors Using a Multifunctional Molecular Prodrug. Journal of the American Chemical Society, 2019, 141, 15611-15618.	6.6	76
162	Cancer Targeted Enzymatic Theranostic Prodrug: Precise Diagnosis and Chemotherapy. Bioconjugate Chemistry, 2016, 27, 1419-1426.	1.8	75

#	Article	IF	Citations
163	UV Band Splitting of Chromogenic Azo-Coupled Calix[4]crown upon Cation Complexation. Journal of Organic Chemistry, 2003, 68, 1933-1937.	1.7	73
164	A two-photon excited luminescence of water-soluble rhodamineâ€“platinum(II) complex: Fluorescent probe specific for Hg2+ detection in live cell. Talanta, 2010, 83, 658-662.	2.9	73
165	Fluorescent sensing of pyrophosphate and ATP in 100% aqueous solution using a fluorescein derivative and Mn2+. Tetrahedron Letters, 2007, 48, 8683-8686.	0.7	72
166	Activity-based fluorescence probes for pathophysiological peroxynitrite fluxes. Coordination Chemistry Reviews, 2022, 454, 214356.	9.5	72
167	NIRâ€II Photoâ€Amplified Sonodynamic Therapy Using Sodium Molybdenum Bronze Nanoplatform against Subcutaneous Staphylococcus Aureus Infection. Advanced Functional Materials, 2022, 32, .	7.8	72
168	Metal Ion Sensing Novel Calix[4]crown Fluoroionophore with a Two-Photon Absorption Property. Journal of Organic Chemistry, 2006, 71, 8016-8022.	1.7	71
169	BODIPY appended cone-calix[4]arene: selective fluorescence changes upon Ca2+ binding. Tetrahedron Letters, 2006, 47, 7051-7055.	0.7	71
170	Coumarin-decorated Schiff base hydrolysis as an efficient driving force for the fluorescence detection of water in organic solvents. Chemical Communications, 2016, 52, 8675-8678.	2.2	71
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