

Juyoung Yoon

List of Publications by Year in descending order

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297
papers

55,104
citations

1172

111
h-index

1158

229
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302
all docs

302
docs citations

302
times ranked

28828
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent and colorimetric sensors for detection of lead, cadmium, and mercury ions. <i>Chemical Society Reviews</i> , 2012, 41, 3210-3244.	38.1	2,019
2	Fluorescent Chemosensors Based on Spiroring-Opening of Xanthenes and Related Derivatives. <i>Chemical Reviews</i> , 2012, 112, 1910-1956.	47.7	1,795
3	Clinical development and potential of photothermal and photodynamic therapies for cancer. <i>Nature Reviews Clinical Oncology</i> , 2020, 17, 657-674.	27.6	1,622
4	Recent progress in the development of near-infrared fluorescent probes for bioimaging applications. <i>Chemical Society Reviews</i> , 2014, 43, 16-29.	38.1	1,557
5	A new trend in rhodamine-based chemosensors: application of spirolactam ring-opening to sensing ions. <i>Chemical Society Reviews</i> , 2008, 37, 1465.	38.1	1,527
6	Fluorescent and colorimetric probes for detection of thiols. <i>Chemical Society Reviews</i> , 2010, 39, 2120.	38.1	1,444
7	Fluorescent chemosensors: the past, present and future. <i>Chemical Society Reviews</i> , 2017, 46, 7105-7123.	38.1	1,436
8	Sensors for the optical detection of cyanide ion. <i>Chemical Society Reviews</i> , 2010, 39, 127-137.	38.1	1,032
9	Recent progress in the development of fluorescent, luminescent and colorimetric probes for detection of reactive oxygen and nitrogen species. <i>Chemical Society Reviews</i> , 2016, 45, 2976-3016.	38.1	1,007
10	Excited-state intramolecular proton-transfer (ESIPT) based fluorescence sensors and imaging agents. <i>Chemical Society Reviews</i> , 2018, 47, 8842-8880.	38.1	993
11	Fluorescent chemosensors for Zn ²⁺ . <i>Chemical Society Reviews</i> , 2010, 39, 1996.	38.1	910
12	Fluorescence and Colorimetric Chemosensors for Fluoride-Ion Detection. <i>Chemical Reviews</i> , 2014, 114, 5511-5571.	47.7	907
13	Fluorescent and luminescent probes for detection of reactive oxygen and nitrogen species. <i>Chemical Society Reviews</i> , 2011, 40, 4783.	38.1	890
14	Innovative Strategies for Hypoxic Tumor Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11522-11531.	13.8	849
15	Supramolecular photosensitizers rejuvenate photodynamic therapy. <i>Chemical Society Reviews</i> , 2018, 47, 1174-1188.	38.1	818
16	Recent progress in luminescent and colorimetric chemosensors for detection of thiols. <i>Chemical Society Reviews</i> , 2013, 42, 6019.	38.1	781
17	Imidazolium receptors for the recognition of anions. <i>Chemical Society Reviews</i> , 2006, 35, 355.	38.1	766
18	Recent progress in fluorescent and colorimetric chemosensors for detection of precious metal ions (silver, gold and platinum ions). <i>Chemical Society Reviews</i> , 2011, 40, 3416.	38.1	731

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19	Recent Progress on the Development of Chemosensors for Gases. <i>Chemical Reviews</i> , 2015, 115, 7944-8000.	47.7	661
20	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.	13.7	660
21	Recent Strategies to Develop Innovative Photosensitizers for Enhanced Photodynamic Therapy. <i>Chemical Reviews</i> , 2021, 121, 13454-13619.	47.7	657
22	Synthetic ratiometric fluorescent probes for detection of ions. <i>Chemical Society Reviews</i> , 2020, 49, 143-179.	38.1	619
23	A Highly Selective Fluorescent Chemosensor for Pb ²⁺ . <i>Journal of the American Chemical Society</i> , 2005, 127, 10107-10111.	13.7	618
24	Chemosensors for Pyrophosphate. <i>Accounts of Chemical Research</i> , 2009, 42, 23-31.	15.6	618
25	Recent progress in the development of fluorometric and colorimetric chemosensors for detection of cyanide ions. <i>Chemical Society Reviews</i> , 2014, 43, 4312.	38.1	572
26	Fluorescent probes and bioimaging: alkali metals, alkaline earth metals and pH. <i>Chemical Society Reviews</i> , 2015, 44, 4619-4644.	38.1	570
27	Unique Sandwich Stacking of Pyrene-Adenine-Pyrene for Selective and Ratiometric Fluorescent Sensing of ATP at Physiological pH. <i>Journal of the American Chemical Society</i> , 2009, 131, 15528-15533.	13.7	551
28	Cyanine-Based Fluorescent Probe for Highly Selective Detection of Glutathione in Cell Cultures and Live Mouse Tissues. <i>Journal of the American Chemical Society</i> , 2014, 136, 5351-5358.	13.7	548
29	Recent Advances in Development of Chiral Fluorescent and Colorimetric Sensors. <i>Chemical Reviews</i> , 2014, 114, 4918-4959.	47.7	546
30	Förster resonance energy transfer (FRET)-based small-molecule sensors and imaging agents. <i>Chemical Society Reviews</i> , 2020, 49, 5110-5139.	38.1	516
31	Revisit to imidazolium receptors for the recognition of anions: highlighted research during 2006-2009. <i>Chemical Society Reviews</i> , 2010, 39, 1457.	38.1	501
32	Molecular logic gates: the past, present and future. <i>Chemical Society Reviews</i> , 2018, 47, 2228-2248.	38.1	468
33	Fluorogenic probes for disease-relevant enzymes. <i>Chemical Society Reviews</i> , 2019, 48, 683-722.	38.1	451
34	A highly selective ratiometric near-infrared fluorescent cyanine sensor for cysteine with remarkable shift and its application in bioimaging. <i>Chemical Science</i> , 2012, 3, 2760.	7.4	416
35	Activatable Photosensitizers: Agents for Selective Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1604053.	14.9	395
36	Biosensors and chemosensors based on the optical responses of polydiacetylenes. <i>Chemical Society Reviews</i> , 2012, 41, 4610.	38.1	380

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37	Supramolecular Antibacterial Materials for Combatting Antibiotic Resistance. <i>Advanced Materials</i> , 2019, 31, e1805092.	21.0	380
38	Fluorescent and colorimetric chemosensors for detection of nucleotides, FAD and NADH: highlighted research during 2004–2010. <i>Chemical Society Reviews</i> , 2011, 40, 2222.	38.1	370
39	A Highly Specific Fluorescent Probe for Hypochlorous Acid and Its Application in Imaging Microbe-Induced HOCl Production. <i>Journal of the American Chemical Society</i> , 2013, 135, 9944-9949.	13.7	360
40	Development of fluorescent probes based on protection–deprotection of the key functional groups for biological imaging. <i>Chemical Society Reviews</i> , 2015, 44, 5003-5015.	38.1	356
41	Phthalocyanines as medicinal photosensitizers: Developments in the last five years. <i>Coordination Chemistry Reviews</i> , 2019, 379, 147-160.	18.8	353
42	Recent progress in the design and applications of fluorescence probes containing crown ethers. <i>Chemical Society Reviews</i> , 2017, 46, 2437-2458.	38.1	349
43	Assembly strategies of organic-based imaging agents for fluorescence and photoacoustic bioimaging applications. <i>Chemical Society Reviews</i> , 2020, 49, 21-31.	38.1	313
44	Phthalocyanine-Assembled Nanodots as Photosensitizers for Highly Efficient Type I Photoreactions in Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9885-9890.	13.8	307
45	Pyrophosphate-Selective Fluorescent Chemosensor at Physiological pH: Formation of a Unique Excimer upon Addition of Pyrophosphate. <i>Journal of the American Chemical Society</i> , 2007, 129, 3828-3829.	13.7	304
46	Heavy-Atom-Free Photosensitizers: From Molecular Design to Applications in the Photodynamic Therapy of Cancer. <i>Accounts of Chemical Research</i> , 2021, 54, 207-220.	15.6	300
47	Nanostructured Phthalocyanine Assemblies with Protein-Driven Switchable Photoactivities for Biophotonic Imaging and Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 10880-10886.	13.7	296
48	Hg ²⁺ Selective Fluorescent and Colorimetric Sensor: Its Crystal Structure and Application to Bioimaging. <i>Organic Letters</i> , 2008, 10, 5235-5238.	4.6	292
49	Cancer-Associated, Stimuli-Driven, Turn on Theranostics for Multimodality Imaging and Therapy. <i>Advanced Materials</i> , 2017, 29, 1606857.	21.0	290
50	Fluorescent GTP-Sensing in Aqueous Solution of Physiological pH. <i>Journal of the American Chemical Society</i> , 2004, 126, 8892-8893.	13.7	286
51	A near-infrared fluorescent sensor for detection of cyanide in aqueous solution and its application for bioimaging. <i>Chemical Communications</i> , 2010, 46, 8953.	4.1	285
52	Design Principles, Sensing Mechanisms, and Applications of Highly Specific Fluorescent Probes for HOCl/OCl [•] . <i>Accounts of Chemical Research</i> , 2019, 52, 2158-2168.	15.6	285
53	Fluorescent and colorimetric chemosensors for pyrophosphate. <i>Chemical Society Reviews</i> , 2015, 44, 1749-1762.	38.1	282
54	Recent progress in the development of organic dye based near-infrared fluorescence probes for metal ions. <i>Coordination Chemistry Reviews</i> , 2018, 354, 74-97.	18.8	280

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55	A thiol-specific fluorescent probe and its application for bioimaging. <i>Chemical Communications</i> , 2010, 46, 2751.	4.1	277
56	An Emerging Molecular Design Approach to Heavy-Atom-Free Photosensitizers for Enhanced Photodynamic Therapy under Hypoxia. <i>Journal of the American Chemical Society</i> , 2019, 141, 16243-16248.	13.7	267
57	Thin-Film Formation of Imidazolium-Based Conjugated Polydiacetylenes and Their Application for Sensing Anionic Surfactants. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1422-1425.	13.8	264
58	A Reversible Fluorescent Probe for Real-Time Quantitative Monitoring of Cellular Glutathione. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5812-5816.	13.8	260
59	A specific and sensitive method for detection of hypochlorous acid for the imaging of microbe-induced HOCl production. <i>Chemical Communications</i> , 2011, 47, 4373.	4.1	238
60	Boronic acid-linked fluorescent and colorimetric probes for copper ions. <i>Chemical Communications</i> , 2008, , 5915.	4.1	228
61	Activity-Based NIR Enzyme Fluorescent Probes for the Diagnosis of Tumors and Image-Guided Surgery. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17268-17289.	13.8	220
62	Development of Imidazoline- α -Thiones Based Two-Photon Fluorescence Probes for Imaging Hypochlorite Generation in a Co-Culture System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4890-4894.	13.8	217
63	Mitochondria-Targeted Reaction-Based Fluorescent Probe for Hydrogen Sulfide. <i>Analytical Chemistry</i> , 2016, 88, 5476-5481.	6.5	213
64	A Benzobisimidazolium-Based Fluorescent and Colorimetric Chemosensor for CO ₂ . <i>Journal of the American Chemical Society</i> , 2012, 134, 17846-17849.	13.7	209
65	Recognition and sensing of various species using boronic acid derivatives. <i>Chemical Communications</i> , 2012, 48, 5956.	4.1	209
66	Activity-based NIR fluorescent probes based on the versatile hemicyanine scaffold: design strategy, biomedical applications, and outlook. <i>Chemical Society Reviews</i> , 2022, 51, 1795-1835.	38.1	209
67	Recent progress on the development of glutathione (GSH) selective fluorescent and colorimetric probes. <i>Coordination Chemistry Reviews</i> , 2018, 366, 29-68.	18.8	206
68	A water-soluble boronate-based fluorescent probe for the selective detection of peroxynitrite and imaging in living cells. <i>Chemical Science</i> , 2014, 5, 3368.	7.4	205
69	A Fluorescent Sensor for Dual-Channel Discrimination between Phosgene and a Nerve-Gas Mimic. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4729-4733.	13.8	194
70	Recent Advances in the Development of Chromophore-Based Chemosensors for Nerve Agents and Phosgene. <i>ACS Sensors</i> , 2018, 3, 27-43.	7.8	193
71	Aminopeptidase N Activatable Fluorescent Probe for Tracking Metastatic Cancer and Image-Guided Surgery via <i>in Situ</i> Spraying. <i>Journal of the American Chemical Society</i> , 2020, 142, 6381-6389.	13.7	187
72	Polydiacetylene-Based Colorimetric and Fluorescent Chemosensor for the Detection of Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 17751-17754.	13.7	185

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73	Molecular Design of Highly Efficient Heavy-Atom-Free Triplet BODIPY Derivatives for Photodynamic Therapy and Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8957-8962.	13.8	185
74	Fluorescent Molecular Logic Gates Using Microfluidic Devices. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 872-876.	13.8	174
75	New Fluorescent Photoinduced Electron Transfer Chemosensor for the Recognition of H ₂ PO ₄ ⁻ . <i>Organic Letters</i> , 2003, 5, 2083-2086.	4.6	172
76	A review: the trend of progress about pH probes in cell application in recent years. <i>Analyst</i> , 2017, 142, 30-41.	3.5	172
77	Highly Effective Fluorescent Sensor for H ₂ PO ₄ ⁻ . <i>Journal of Organic Chemistry</i> , 2004, 69, 581-583.	3.2	170
78	Remote-Controlled Release of Singlet Oxygen by the Plasmonic Heating of Endoperoxide-Modified Gold Nanorods: Towards a Paradigm Change in Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3606-3610.	13.8	170
79	Metal-coordinated fluorescent and luminescent probes for reactive oxygen species (ROS) and reactive nitrogen species (RNS). <i>Coordination Chemistry Reviews</i> , 2021, 427, 213581.	18.8	167
80	Self-immolative colorimetric, fluorescent and chemiluminescent chemosensors. <i>Chemical Society Reviews</i> , 2018, 47, 6900-6916.	38.1	165
81	Activatable fluorescent probes for <i>in situ</i> imaging of enzymes. <i>Chemical Society Reviews</i> , 2022, 51, 450-463.	38.1	163
82	A Visible and Near-Infrared, Dual-Channel Fluorescence-On Probe for Selectively Tracking Mitochondrial Glutathione. <i>CheM</i> , 2018, 4, 1609-1628.	11.7	161
83	A Selective Imidazoline-2-thione-Bearing Two-Photon Fluorescent Probe for Hypochlorous Acid in Mitochondria. <i>Analytical Chemistry</i> , 2016, 88, 6615-6620.	6.5	160
84	A cyanine-based fluorescent sensor for detecting endogenous zinc ions in live cells and organisms. <i>Biomaterials</i> , 2012, 33, 7818-7827.	11.4	158
85	Induction-Driven Stabilization of the Anion-Interaction in Electron-Rich Aromatics as the Key to Fluoride Inclusion in Imidazolium-Cage Receptors. <i>Chemistry - A European Journal</i> , 2011, 17, 1163-1170.	3.3	157
86	<i>In Vivo</i> Albumin Traps Photosensitizer Monomers from Self-Assembled Phthalocyanine Nanovesicles: A Facile and Switchable Theranostic Approach. <i>Journal of the American Chemical Society</i> , 2019, 141, 1366-1372.	13.7	153
87	Selectively Chemodosimetric Detection of Hg(II) in Aqueous Media. <i>Organic Letters</i> , 2007, 9, 4515-4518.	4.6	152
88	A ratiometric fluorescent probe based on a coumarin-hemicyanine scaffold for sensitive and selective detection of endogenous peroxynitrite. <i>Biosensors and Bioelectronics</i> , 2015, 64, 285-291.	10.1	149
89	Facile Supramolecular Approach to Nucleic-Acid-Driven Activatable Nanotheranostics That Overcome Drawbacks of Photodynamic Therapy. <i>ACS Nano</i> , 2018, 12, 681-688.	14.6	149
90	Synthesis of a highly HOCl-selective fluorescent probe and its use for imaging HOCl in cells and organisms. <i>Nature Protocols</i> , 2016, 11, 1219-1228.	12.0	148

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91	Selective homocysteine turn-on fluorescent probes and their bioimaging applications. <i>Chemical Communications</i> , 2014, 50, 6967.	4.1	146
92	An NBD-based colorimetric and fluorescent chemosensor for Zn ²⁺ and its use for detection of intracellular zinc ions. <i>Tetrahedron</i> , 2009, 65, 2307-2312.	1.9	145
93	Recent progress in stimuli-induced polydiacetylenes for sensing temperature, chemical and biological targets. <i>Chemical Communications</i> , 2016, 52, 9178-9196.	4.1	145
94	Organelle-Targeted Photosensitizers for Precision Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19543-19571.	8.0	143
95	Recent progress in fluorescent probes for bacteria. <i>Chemical Society Reviews</i> , 2021, 50, 7725-7744.	38.1	143
96	An aryl-thioether substituted nitrobenzothiadiazole probe for the selective detection of cysteine and homocysteine. <i>Chemical Communications</i> , 2015, 51, 6518-6520.	4.1	142
97	Intracellular Modulation of Excited-State Dynamics in a Chromophore Dyad: Differential Enhancement of Photocytotoxicity Targeting Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5340-5344.	13.8	140
98	Organic photosensitizers for antimicrobial phototherapy. <i>Chemical Society Reviews</i> , 2022, 51, 3324-3340.	38.1	139
99	Simple but Effective Way to Sense Pyrophosphate and Inorganic Phosphate by Fluorescence Changes. <i>Organic Letters</i> , 2007, 9, 243-246.	4.6	138
100	An Activatable AIEgen Probe for High-Fidelity Monitoring of Overexpressed Tumor Enzyme Activity and Its Application to Surgical Tumor Excision. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10186-10195.	13.8	134
101	Highly Effective Fluorescent and Colorimetric Sensors for Pyrophosphate over H ₂ PO ₄ -in 100% Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2005, 70, 9603-9606.	3.2	132
102	Ratiometric Fluorescence Sensing of Fluoride Ions by an Asymmetric Bidentate Receptor Containing a Boronic Acid and Imidazolium Group. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3058-3065.	2.4	130
103	Recent developments of BODIPY-based colorimetric and fluorescent probes for the detection of reactive oxygen/nitrogen species and cancer diagnosis. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213936.	18.8	129
104	N-Heterocyclic Carbene Boranes as Reactive Oxygen Species-Responsive Materials: Application to the Two-Photon Imaging of Hypochlorous Acid in Living Cells and Tissues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1567-1571.	13.8	127
105	Azulene-Derived Fluorescent Probe for Bioimaging: Detection of Reactive Oxygen and Nitrogen Species by Two-Photon Microscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 19389-19396.	13.7	125
106	Design and applications of fluorescent detectors for peroxyxynitrite. <i>Coordination Chemistry Reviews</i> , 2018, 374, 36-54.	18.8	122
107	Rhodamine hydrazone derivatives based selective fluorescent and colorimetric chemodosimeters for Hg ²⁺ and selective colorimetric chemosensor for Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 530-537.	7.8	120
108	Multiplexed photoluminescent sensors: towards improved disease diagnostics. <i>Chemical Society Reviews</i> , 2017, 46, 6687-6696.	38.1	118

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109	Advances in Application of Azobenzene as a Trigger in Biomedicine: Molecular Design and Spontaneous Assembly. <i>Advanced Materials</i> , 2021, 33, e2007290.	21.0	118
110	Phthalocyanines as contrast agents for photothermal therapy. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213548.	18.8	118
111	A Far-Red-Emitting Fluorescence Probe for Sensitive and Selective Detection of Peroxynitrite in Live Cells and Tissues. <i>Analytical Chemistry</i> , 2017, 89, 10924-10931.	6.5	117
112	A Tumor-pH-Responsive Supramolecular Photosensitizer for Activatable Photodynamic Therapy with Minimal <i>In Vivo</i> Skin Phototoxicity. <i>Theranostics</i> , 2017, 7, 2746-2756.	10.0	117
113	Rational Design of a Highly Selective Near-Infrared Two-Photon Fluorogenic Probe for Imaging Orthotopic Hepatocellular Carcinoma Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15418-15425.	13.8	117
114	A two-photon fluorescent probe for specific detection of hydrogen sulfide based on a familiar ESIPT fluorophore bearing AIE characteristics. <i>Chemical Communications</i> , 2017, 53, 4791-4794.	4.1	116
115	A selenolactone-based fluorescent chemodosimeter to monitor mercury/methylmercury species in vitro and in vivo. <i>Tetrahedron</i> , 2010, 66, 4016-4021.	1.9	115
116	Effective Strategy for Colorimetric and Fluorescence Sensing of Phosgene Based on Small Organic Dyes and Nanofiber Platforms. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22246-22252.	8.0	114
117	Activity-based smart AIEgens for detection, bioimaging, and therapeutics: Recent progress and outlook. <i>Aggregate</i> , 2021, 2, e51.	9.9	112
118	Fluorescent probes for the detection of disease-associated biomarkers. <i>Science Bulletin</i> , 2022, 67, 853-878.	9.0	110
119	Boronate based fluorescence (ESIPT) probe for peroxynitrite. <i>Chemical Communications</i> , 2016, 52, 12350-12352.	4.1	108
120	A New Imidazolium Cavitand for the Recognition of Dicarboxylates. <i>Organic Letters</i> , 2004, 6, 4655-4658.	4.6	106
121	Aggregation-Induced Fluorescence Probe for Monitoring Membrane Potential Changes in Mitochondria. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12150-12154.	8.0	105
122	Fine-tuning the electronic structure of heavy-atom-free BODIPY photosensitizers for fluorescence imaging and mitochondria-targeted photodynamic therapy. <i>Chemical Science</i> , 2020, 11, 6479-6484.	7.4	99
123	Recent Progress in Fluorescent Imaging Probes. <i>Sensors</i> , 2015, 15, 24374-24396.	3.8	98
124	A viscosity sensitive fluorescent dye for real-time monitoring of mitochondria transport in neurons. <i>Biosensors and Bioelectronics</i> , 2016, 86, 885-891.	10.1	98
125	An ESIPT-Based Fluorescence Probe for Colorimetric, Ratiometric, and Selective Detection of Phosgene in Solutions and the Gas Phase. <i>Analytical Chemistry</i> , 2017, 89, 12596-12601.	6.5	98
126	A new rhodamine derivative bearing benzothiazole and thiocarbonyl moieties as a highly selective fluorescent and colorimetric chemodosimeter for Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 948-953.	7.8	97

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127	InÂvivo near-infrared imaging and phototherapy of tumors using a cathepsin B-activated fluorescent probe. <i>Biomaterials</i> , 2017, 122, 130-140.	11.4	97
128	Construction and Molecular Understanding of an Unprecedented, Reversibly Thermochromic Bisâ€Polydiacetylene. <i>Advanced Functional Materials</i> , 2014, 24, 3699-3705.	14.9	96
129	One-Photon and Two-Photon Sensing of Biothiols Using a Bis-Pyrene-Cu(II) Ensemble and Its Application To Image GSH in the Cells and Tissues. <i>Analytical Chemistry</i> , 2015, 87, 3308-3313.	6.5	95
130	A Single Fluorescent Chemosensor for Simultaneous Discriminative Detection of Gaseous Phosgene and a Nerve Agent Mimic. <i>Analytical Chemistry</i> , 2019, 91, 12070-12076.	6.5	95
131	Oligo(ethylene glycol)-Functionalized Ratiometric Fluorescent Probe for the Detection of Hydrazine in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 7360-7365.	6.5	95
132	Fluorescent imidazolium receptors for the recognition of pyrophosphate. <i>Tetrahedron</i> , 2006, 62, 6065-6072.	1.9	94
133	Preparation of a cyanine-based fluorescent probe for highly selective detection of glutathione and its use in living cells and tissues of mice. <i>Nature Protocols</i> , 2015, 10, 1742-1754.	12.0	94
134	A Supramolecularâ€Based Dualâ€Wavelength Phototherapeutic Agent with Broadâ€Spectrum Antimicrobial Activity Against Drugâ€Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3658-3664.	13.8	94
135	Sulfur-based fluorescent probes for HOCl: Mechanisms, design, and applications. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214232.	18.8	94
136	Highly Selective and Sensitive Two-Photon Fluorescence Probe for Endogenous Peroxynitrite Detection and Its Applications in Living Cells and Tissues. <i>Analytical Chemistry</i> , 2017, 89, 8496-8500.	6.5	93
137	A two-photon fluorescent probe for colorimetric and ratiometric monitoring of mercury in live cells and tissues. <i>Chemical Communications</i> , 2019, 55, 1766-1769.	4.1	91
138	Supramolecular Phthalocyanine Assemblies for Improved Photoacoustic Imaging and Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8630-8634.	13.8	91
139	Visualization of Endogenous and Exogenous Hydrogen Peroxide Using A Lysosome-Targetable Fluorescent Probe. <i>Scientific Reports</i> , 2015, 5, 8488.	3.3	90
140	Innovative Strategien f¼r die photodynamische Therapie hypoxischer Tumore. <i>Angewandte Chemie</i> , 2018, 130, 11694-11704.	2.0	90
141	A rhodamine-based fluorescent probe for the detection of lysosomal pH changes in living cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 416-421.	7.8	87
142	Turn-On Supramolecular Host-Guest Nanosystems as Theranostics for Cancer. <i>CheM</i> , 2019, 5, 553-574.	11.7	87
143	Fluorescent Chemosensors for Various Analytes Including Reactive Oxygen Species, Biothiol, Metal Ions, and Toxic Gases. <i>ACS Omega</i> , 2018, 3, 13731-13751.	3.5	86
144	Ratiometric Two-Photon Fluorescent Probe for Detecting and Imaging Hypochlorite. <i>Analytical Chemistry</i> , 2018, 90, 9510-9514.	6.5	86

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145	Polydiacetylene-Based Electrospun Fibers for Detection of HCl Gas. <i>Macromolecular Rapid Communications</i> , 2012, 33, 972-976.	3.9	85
146	Highly selective ratiometric fluorescent probe for Au ³⁺ and its application to bioimaging. <i>Biosensors and Bioelectronics</i> , 2013, 49, 438-441.	10.1	85
147	Recent progress in the two-photon fluorescent probes for metal ions. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213574.	18.8	85
148	Synthesis of a highly Zn ²⁺ -selective cyanine-based probe and its use for tracing endogenous zinc ions in cells and organisms. <i>Nature Protocols</i> , 2014, 9, 1245-1254.	12.0	83
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