

Xiaoling Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

2,589
citations

28
h-index

46
g-index

117
ext. papers

3,146
ext. citations

5.8
avg. IF

5.54
L-index

#	Paper	IF	Citations
114	A near-infrared fluorescent probe for ratiometric imaging peroxynitrite in Parkinson's disease model. <i>Sensors and Actuators B: Chemical</i> , 2022 , 359, 131393	8.5	4
113	Advances in aptamers against Aβ and applications in Aβ detection and regulation for Alzheimer's disease.. <i>Theranostics</i> , 2022 , 12, 2095-2114	12.1	3
112	Electrical properties of carbon-based fully-printed mesoscopic perovskite solar cells with BAI as an additive. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 3091	2.1	
111	One-step synthesis of PY-NBD to distinguish Cys/Hcy and GSH in aqueous solutions and living cells by dual channels. <i>New Journal of Chemistry</i> , 2022 , 46, 6715-6719	3.6	0
110	A deep red ratiometric fluorescent probe for accurate detection of peroxynitrite in mitochondria.. <i>Analytica Chimica Acta</i> , 2022 , 1203, 339652	6.6	2
109	A xanthene-based fluorescent probe for detection of peroxynitrite in living cells and zebrafish.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 277, 121264	4.4	0
108	An ESIPT-based fluorescent probe with large Stokes shift for peroxynitrite detection in HeLa cells and zebrafish. <i>Dyes and Pigments</i> , 2022 , 110334	4.6	0
107	A thiocarbonate-caged fluorescent probe for specific visualization of peroxynitrite in living cells and zebrafish. <i>Analyst, The</i> , 2021 , 146, 7627-7634	5	1
106	Off-On Squalene Epoxidase-Specific Fluorescent Probe for Fast Imaging in Living Cells. <i>Analytical Chemistry</i> , 2021 , 93, 14716-14721	7.8	0
105	A conformational transition based fluorescent probe for mapping lysosomal viscosity fluctuations by fluorescence lifetime imaging. <i>Sensors and Actuators B: Chemical</i> , 2021 , 331, 129432	8.5	16
104	Polydopamine nanodots-based cost-effective nanoprobe for glucose detection and intracellular imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4865-4872	4.4	2
103	Vapor-phase catalytic methylation of 1,1,1,3,3,3-hexafluoroisopropanol for the mass production of 1,1,1,3,3,3-hexafluoroisopropyl methyl ether. <i>Journal of Fluorine Chemistry</i> , 2021 , 241, 109673	2.1	
102	One-step G-quadruplex-based fluorescence resonance energy transfer sensing method for ratiometric detection of uracil-DNA glycosylase activity. <i>Talanta</i> , 2021 , 221, 121609	6.2	3
101	An ICT-based fluorescent probe for ratiometric monitoring the fluctuations of peroxynitrite in mitochondria. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129069	8.5	13
100	A dual-functional biomimetic-mineralized nanoplatform for glucose detection and therapy with cancer cells. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 3885-3891	7.3	2
99	Defective Ag-In-S/ZnS quantum dots: an oxygen-derived free radical scavenger for mitigating macrophage inflammation. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8971-8979	7.3	0
98	A Sensitive Fluorescent Probe for Homocysteine/Cysteine in Pure Aqueous Media and Mitochondria. <i>ChemistrySelect</i> , 2021 , 6, 8391-8396	1.8	2

97	Over 16.5% efficiency in ternary organic solar cells by adding an alloyed acceptor with energy transfer process. <i>Dyes and Pigments</i> , 2021 , 192, 109434	4.6	5
96	An efficient FRET based theranostic nanoprobe for hyaluronidase detection and cancer therapy in vitro. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130201	8.5	1
95	Enzyme-triggered DNA nanomimosa: A ratiometric nanoprobe for RNase H activity sensing in living cells. <i>Talanta</i> , 2021 , 233, 122547	6.2	
94	Mitochondria-specific ultrasensitive ratiometric AIE probe for imaging endogenous peroxynitrite. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130206	8.5	4
93	A simple dual-response fluorescent probe for imaging of viscosity and ONOO through different fluorescence signals in living cells and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 260, 119990	4.4	3
92	An electrostatically regulated organic self-assembly for rapid and sensitive detection of heparin in serum. <i>Analytical Methods</i> , 2021 , 13, 3620-3626	3.2	1
91	Template synthesis of silver indium sulfide based nanocrystals performed through cation exchange in organic and aqueous media. <i>Nano Research</i> , 2020 , 14, 2321	10	3
90	An Endoplasmic Reticulum-Targeted Ratiometric Fluorescent Probe for the Sensing of Hydrogen Sulfide in Living Cells and Zebrafish. <i>Analytical Chemistry</i> , 2020 , 92, 9982-9988	7.8	42
89	A fluorescent probe based on reversible Michael addition-elimination reaction for the cycle between cysteine and HO. <i>Analytical Methods</i> , 2020 , 12, 3797-3801	3.2	1
88	A ratiometric fluorescent probe for mitochondrial esterase specific detection in living cells. <i>Dyes and Pigments</i> , 2020 , 178, 108345	4.6	7
87	A novel vapor-phase catalytic synthetic approach for industrial production of 1,1,1,3,3,3-hexafluoroisopropyl methylether. <i>Applied Catalysis A: General</i> , 2020 , 594, 117416	5.1	2
86	Revealing the redox status in endoplasmic reticulum by a selenium fluorescence probe. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2660-2665	7.3	18
85	Ratiometric fluorescent probe for highly selective detection of gaseous H ₂ Se. <i>Dyes and Pigments</i> , 2020 , 177, 108274	4.6	4
84	Multimodal Nanoprobe for Pancreatic Beta Cell Detection and Amyloidosis Mitigation. <i>Chemistry of Materials</i> , 2020 , 32, 1080-1088	9.6	11
83	Tumor Microenvironment-Responsive Theranostic Nanoplatfor for in Situ Self-Boosting Combined Phototherapy through Intracellular Reassembly. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6966-6977	9.5	10
82	In Vitro Light-Up Visualization of a Subunit-Specific Enzyme by an AIE Probe via Restriction of Single Molecular Motion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10003-10007	16.4	19
81	In Vitro Light-Up Visualization of a Subunit-Specific Enzyme by an AIE Probe via Restriction of Single Molecular Motion. <i>Angewandte Chemie</i> , 2020 , 132, 10089-10093	3.6	4
80	Highly Sensitive and Selective Detection of Heparin in Serum Based on a Long-Wavelength Tetraphenylethylene-Cyanopyridine Aggregation-Induced Emission Luminogen. <i>Analytical Chemistry</i> , 2020 , 92, 7106-7113	7.8	14

79	16.5% efficiency ternary organic photovoltaics with two polymer donors by optimizing molecular arrangement and phase separation. <i>Nano Energy</i> , 2020 , 69, 104447	17.1	57
78	An analytical method for overlapping of the melting and decomposition of 2-oximemalononitrile. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 1	4.1	1
77	A multifunctional oxygen-producing MnO-based nanoplatfrom for tumor microenvironment-activated imaging and combination therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9943-9950	7.3	10
76	A mitochondria-targeting highly specific fluorescent probe for fast sensing of endogenous peroxynitrite in living cells. <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127284	8.5	24
75	A fast-responding, highly sensitive detection system consisting of a fluorescent probe and palladium ions for N ₂ H ₄ in environmental water and living cells. <i>Analytical Methods</i> , 2019 , 11, 5023-5030 ^{3.2}		6
74	A two-photon fluorescent probe for basal formaldehyde imaging in zebrafish and visualization of mitochondrial damage induced by FA stress. <i>Analyst, The</i> , 2019 , 144, 2297-2303	5	19
73	Rational design of aggregation-induced emission sensor based on Rhodamine B for turn-on sensing of trivalent metal cations, reversible data protection, and bioimaging. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 151-160	7.8	29
72	Dual-Site Fluorescent Probe to Monitor Intracellular Nitroxyl and GSH-GSSG Oscillations. <i>Analytical Chemistry</i> , 2019 , 91, 4451-4456	7.8	24
71	Mitochondrial directed ratiometric fluorescent probe for quantitative detection of sulfur dioxide derivatives. <i>New Journal of Chemistry</i> , 2019 , 43, 5255-5259	3.6	12
70	Solid-state emissive O-BODIPY dyes with bimodal emissions across red and near infrared region.. <i>RSC Advances</i> , 2019 , 9, 16246-16251	3.7	4
69	A mitochondria-targeted far red fluorescent probe for ratiometric imaging of endogenous peroxynitrite. <i>Dyes and Pigments</i> , 2019 , 170, 107609	4.6	23
68	Donor-Acceptor type aggregation-induced emission luminophores based on the 1,1-dicyanomethylene-3-indanone unit for bridge-dependent reversible mechanochromism and light-up biosensing of hypochlorites. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8888-8897	7.1	24
67	A two-photon fluorescent probe for imaging of endogenous formaldehyde in HeLa cells and quantitative detection of basal formaldehyde in milk samples. <i>Analytical Methods</i> , 2019 , 11, 2969-2975 ^{3.2}		13
66	A mitochondria targetable and viscosity sensitive fluorescent probe and its applications for distinguishing cancerous cells. <i>Dyes and Pigments</i> , 2019 , 168, 134-139	4.6	36
65	Fluorescence imaging of lysosomal hydrogen selenide under oxygen-controlled conditions. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2829-2834	7.3	7
64	Synthesis of N-Doped Micropore Carbon Quantum Dots with High Quantum Yield and Dual-Wavelength Photoluminescence Emission from Biomass for Cellular Imaging. <i>Nanomaterials</i> , 2019 , 9,	5.4	35
63	A sensitive ratiometric fluorescent probe for quantitative detection and imaging of alkaline phosphatase in living cells. <i>Analytica Chimica Acta</i> , 2019 , 1066, 131-135	6.6	19
62	A Multi-crosslinking Nanocapsule-Based Serial-Stimuli-Responsive Leakage-Free Drug-Delivery System In Vitro. <i>Chemistry - A European Journal</i> , 2019 , 25, 13017-13024	4.8	1

61	A real-time ratiometric fluorescent probe for imaging of SO derivatives in mitochondria of living cells.. <i>RSC Advances</i> , 2019 , 9, 22348-22354	3.7	11
60	A highly colorimetric and ratiometric fluorescent probe for the detection of fluoride ions using test strips. <i>Analytical Methods</i> , 2019 , 11, 3844-3850	3.2	9
59	Novel bimetallic Cu/Ni core-shell NPs and nitrogen doped GQDs composites applied in glucose in vitro detection. <i>PLoS ONE</i> , 2019 , 14, e0220005	3.7	3
58	Self-Assembled Monomolecular Layer Modified ZnO for Efficient Inverted Polymer Solar Cells with 11.53% Efficiency. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900372	2.5	5
57	An AIEgen-based fluorescent probe for highly selective and specific imaging of lipid droplets in L02 and HepG2 cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 545-552	8.5	26
56	Rational Design of a Hepatoma-Specific Fluorescent Probe for HOCl and Its Bioimaging Applications in Living HepG2 Cells. <i>Analytical Chemistry</i> , 2019 , 91, 2163-2168	7.8	84
55	Reaction rate constants with OH radicals at 253B28 K and atmospheric implications for (CF3)2CHOCxH(2x + 1) (x = 1, 2, 3). <i>Chemical Physics Letters</i> , 2019 , 714, 125-130	2.5	4
54	Ratiometric fluorescence imaging for sodium selenite in living cells. <i>Dyes and Pigments</i> , 2019 , 164, 133-148	4.8	7
53	Synergistic toughening of nanocomposite hydrogel based on ultrasmall aluminum hydroxide nanoparticles and hydroxyapatite nanoparticles. <i>Polymer Composites</i> , 2019 , 40, 942-951	3	3
52	A fluorescent probe for differentiating Cys, Hcy and GSH via a stepwise interaction. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 345-349	8.5	37
51	Porous carbon electrocatalyst with exclusive metal-coordinate active sites for acidic oxygen reduction reaction. <i>Carbon</i> , 2018 , 132, 85-94	10.4	15
50	A lysosome targetable versatile fluorescent probe for imaging viscosity and peroxynitrite with different fluorescence signals in living cells. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 580-585	7.3	78
49	An ESIPT based naphthalimide chemosensor for visualizing endogenous ONOO in living cells.. <i>RSC Advances</i> , 2018 , 8, 1826-1832	3.7	15
48	Highly luminescent, biocompatible ytterbium(iii) complexes as near-infrared fluorophores for living cell imaging. <i>Chemical Science</i> , 2018 , 9, 3742-3753	9.4	72
47	A reversible water-soluble naphthalimide-based chemosensor for imaging of cellular copper(II) ion and cysteine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 632-638	8.5	29
46	Synergistic Doping for Pseudocapacitance Sites in Alkaline Carbon Supercapacitors. <i>ChemElectroChem</i> , 2018 , 5, 84-92	4.3	12
45	Specific and sensitive imaging of basal cysteine over homocysteine in living cells.. <i>RSC Advances</i> , 2018 , 8, 37410-37416	3.7	11
44	Enhanced Enantioselectivity in the Fluorescent Recognition of a Chiral Diamine by Using a Bisbinaphthyl Dialdehyde. <i>ACS Omega</i> , 2018 , 3, 12545-12548	3.9	5

43	A label-free ratiometric fluorescence strategy for 3 rd exonuclease detection. <i>New Journal of Chemistry</i> , 2018 , 42, 16630-16634	3.6	3
42	Synthesis of Black Phosphorus Quantum Dots with High Quantum Yield by Pulsed Laser Ablation for Cell Bioimaging. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1842	4.5	23
41	Atomic Iron Catalysis of Polysulfide Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19311-19317	9.5	103
40	Hierarchical design of nitrogen-doped porous carbon nanorods for use in high efficiency capacitive energy storage. <i>RSC Advances</i> , 2017 , 7, 22447-22453	3.7	15
39	Turn-on theranostic fluorescent nanoprobe by electrostatic self-assembly of carbon dots with doxorubicin for targeted cancer cell imaging, in vivo hyaluronidase analysis, and targeted drug delivery. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 300-307	11.8	106
38	Enantioselective Fluorescent Imaging of Free Amino Acids in Living Cells. <i>Chemistry - A European Journal</i> , 2017 , 23, 2432-2438	4.8	26
37	An ultrafast responsive BODIPY-based fluorescent probe for the detection of endogenous hypochlorite in live cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 525-530	7.3	44
36	A reductant-resistant ratiometric, colorimetric and far-red fluorescent probe for rapid and ultrasensitive detection of nitroxyl. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3557-3564	7.3	24
35	Ionic dispersed Fe(ii)-N and Zn(ii)-N in porous carbon for acidic oxygen reduction reactions. <i>Chemical Communications</i> , 2017 , 53, 11453-11456	5.8	17
34	A highly sensitive and selective fluorescent probe for N ₂ H ₄ in air and living cells. <i>New Journal of Chemistry</i> , 2017 , 41, 11891-11897	3.6	20
33	Endoplasmic Reticulum-Directed Ratiometric Fluorescent Probe for Quantitative Detection of Basal HO. <i>Analytical Chemistry</i> , 2017 , 89, 12945-12950	7.8	75
32	Enantioselective Fluorescent Recognition of Amino Acids by Amide Formation: An Unusual Concentration Effect. <i>Journal of Organic Chemistry</i> , 2017 , 82, 12669-12673	4.2	14
31	Ratiometric fluorescence imaging of endogenous selenocysteine in cancer cell matrix. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6890-6896	7.3	28
30	UV-assisted synthesis of long-wavelength Si-pyrone fluorescent dyes for real-time and dynamic imaging of glutathione fluctuation in living cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4826-4831	7.3	20
29	A highly sensitive and rapidly responding fluorescent probe with a large Stokes shift for imaging intracellular hypochlorite. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 459-465	8.5	51
28	Reversible and Dynamic Fluorescence Imaging of Cellular Redox Self-Regulation Using Fast-Responsive Near-Infrared Ge-Pyrone. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8991-7	9.5	27
27	Highly specific and ratiometric fluorescent probe for ozone assay in indoor air and living cells. <i>Dyes and Pigments</i> , 2016 , 127, 67-72	4.6	12
26	Mn-doped CdS/ZnS/CdS QD-based fluorescent nanosensor for rapid, selective, and ultrasensitive detection of copper(II) ion. <i>RSC Advances</i> , 2015 , 5, 63458-63464	3.7	11

25	A highly sensitive and reductant-resistant fluorescent chemodosimeter for the rapid detection of nitrotyl. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 727-733	8.5	26
24	Unravelling the correlation between metal induced aggregation and cellular uptake/subcellular localization of ZnSalen: an overlooked rule for design of luminescent metal probes. <i>Chemical Science</i> , 2015 , 6, 2389-2397	9.4	50
23	Triphenylphosphine-assisted highly sensitive fluorescent chemosensor for ratiometric detection of palladium in solution and living cells. <i>RSC Advances</i> , 2015 , 5, 97121-97126	3.7	17
22	Stable DNA Nanomachine Based on Duplex-Triplex Transition for Ratiometric Imaging Instantaneous pH Changes in Living Cells. <i>Analytical Chemistry</i> , 2015 , 87, 5854-9	7.8	45
21	Surfactant-sensitized ratiometric fluorescent chemodosimeter for the highly selective detection of mercury(II) ions based on vinyl ether oxymercuration. <i>RSC Advances</i> , 2014 , 4, 12596	3.7	17
20	A highly selective colorimetric and far-red fluorescent probe for imaging bisulfite in living cells. <i>RSC Advances</i> , 2014 , 4, 33507	3.7	31
19	Aqueous nanodispersion of acetylene tethered, quinoxaline-containing conjugated polymer as fluorescence probe for Ag ⁺ . <i>New Journal of Chemistry</i> , 2014 , 38, 4730-4735	3.6	4
18	Lactonization of fluorinated porphyrin enhances LDL binding affinity, cellular uptake with selective intracellular localization. <i>Chemical Science</i> , 2014 , 5, 558-566	9.4	29
17	A fast-response, highly sensitive and selective fluorescent probe for the ratiometric imaging of nitrotyl in living cells. <i>Chemical Communications</i> , 2014 , 50, 6013-6	5.8	91
16	A fast-response, highly sensitive and selective fluorescent probe for the ratiometric imaging of hydrogen peroxide with a 100 nm red-shifted emission. <i>RSC Advances</i> , 2014 , 4, 16055	3.7	38
15	Construction of an orthogonal ZnSalen/Salophen library as a colour palette for one- and two-photon live cell imaging. <i>Chemical Science</i> , 2014 , 5, 2318	9.4	53
14	Combining myeloperoxidase (MPO) with fluorogenic ZnSalen to detect lysosomal hydrogen peroxide in live cells. <i>Chemical Science</i> , 2013 , 4, 2947	9.4	49
13	A Chloroacetate-Caged Fluorescein Chemodosimeter for Imaging Cysteine/Homocysteine in Living Cells. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 888-893	3.2	29
12	Rational design of ZnSalen as a single and two photon activatable fluorophore in living cells. <i>Chemical Science</i> , 2012 , 3, 3315	9.4	54
11	A 4-hydroxynaphthalimide-derived ratiometric fluorescent chemodosimeter for imaging palladium in living cells. <i>Chemical Communications</i> , 2011 , 47, 8656-8	5.8	214
10	Synthesis of SERS active Au nanowires in different noncoordinating solvents. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 2625-2632	2.3	1
9	1-Hexadecylamine as both reducing agent and stabilizer to synthesize Au and Ag nanoparticles and their SERS application. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1929-1936	2.3	22
8	A highly selective colorimetric and ratiometric fluorescent chemodosimeter for imaging fluoride ions in living cells. <i>Chemical Communications</i> , 2011 , 47, 7098-100	5.8	162

7	One-pot self-assembly of flower-like Cu ₂ S structures with near-infrared photoluminescent properties. <i>CrystEngComm</i> , 2011 , 13, 6549	3.3	20
6	One-Pot Synthesis of Hollow PbSe Single-Crystalline Nanoboxes via Gas Bubble Assisted Ostwald Ripening. <i>Crystal Growth and Design</i> , 2010 , 10, 1257-1262	3.5	27
5	On the fluorescence of C ₆₀ at room temperature. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 95-99	3.6	4
4	Fluorescence enhancement of acridine orange in a water solution by Au nanoparticles. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 1799-1804	3.6	13
3	Effects of reaction temperature on size and optical properties of CdSe nanocrystals. <i>Bulletin of Materials Science</i> , 2010 , 33, 547-552	1.7	5
2	A silicon nanoparticle-based nanoprobe for ratiometric fluorescence and visual detection of glucose. <i>New Journal of Chemistry</i> ,	3.6	1
1	Enhanced Performance of Carbon-Based, Fully Printed Mesoscopic Perovskite Solar Cells through Defects Passivation. <i>Advanced Materials Interfaces</i> , 2100395	4.6	1