Zhanxian Li

List of Publications by Year
in descending order

42 papers	1,279 citations	331670 21 h-index	361022 35 g-index
42 all docs	42 docs citations	42 times ranked	1550 citing authors

#	Article	IF	Citations
1	Highly sensitive and selective fluorescent sensor for Zn2+/Cu2+ and new approach for sensing Cu2+ by central metal displacement. Chemical Communications, 2011, 47, 5798.	4.1	148
2	A â€œswitching onâ€•fluorescent chemodosimeter of selectivity to Zn2+ and its application to MCF-7 cells. Chemical Communications, 2010, 46, 7169.	4.1	103
3	Nanomolar Cu2+ and Fâ˜’ naked-eye detection with a 1,8-naphthalimide-based colorimetric probe. Sensors and Actuators B: Chemical, 2015, 212, 364-370.	7.8	71
4	1,8-Naphthyridine and 8-hydroxyquinoline modified Rhodamine B derivatives: â€œTurn-onâ€•fluorescent and colorimetric sensors for Al3+ and Cu2+. Dyes and Pigments, 2013, 99, 887-894.	3.7	69
5	NIR Ratiometric Luminescence Detection of pH Fluctuation in Living Cells with Hemicyanine Derivative-Assembled Upconversion Nanophosphors. Analytical Chemistry, 2017, 89, 8863-8869.	6.5	65
6	A mitochondrial-targeted ratiometric probe for detecting intracellular H2S with high photostability. Chinese Chemical Letters, 2021, 32, 1799-1802.	9.0	65
7	FRET-based ratiometric fluorescent detection of arginine in mitochondrion with a hybrid nanoprobe. Chinese Chemical Letters, 2020, 31, 443-446.	9.0	59
8	1,8-Naphthyridine-Derived Ni²⁺/Cu²⁺-Selective Fluorescent Chemosensor with Different Charge Transfer Processses. Inorganic Chemistry, 2012, 51, 12444-12449.	4.0	51
9	A fluorescent probe for benzenethiols and its application on test paper, in water samples and living cells. Journal of Materials Chemistry C, 2015, 3, 8248-8254.	5.5	42
10	A new near-infrared ratiometric fluorescent probe for hydrazine. RSC Advances, 2017, 7, 25634-25639.	3.6	39
11	Ratiometric fluorescent detection of acidic pH in lysosome with carbon nanodots. Chinese Chemical Letters, 2017, 28, 1969-1974.	9.0	37
12	Ratiometric upconversion luminescence nanoprobes for quick sensing of Hg2+ and cells imaging. Sensors and Actuators B: Chemical, 2021, 326, 128841.	7.8	37
13	Near-infrared ratiometric fluorescent detection of arginine in lysosome with a new hemicyanine derivative. Biosensors and Bioelectronics, 2017, 92, 385-389.	10.1	36
14	Nanomolar colorimetric quantitative detection of Fe3+ and PPi with high selectivity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 159, 249-253.	3.9	31
15	A 1,8-naphthalimide-based chemosensor with an off-on fluorescenceÂand lifetime imaging response for intracellular Cr 3+ ÂandÂfurther for S 2â˜’. Dyes and Pigments, 2016, 126, 279-285.	3.7	29
16	Lysosome-targeting NIR ratiometric luminecent upcoversion nanoprobe toward arginine. Sensors and Actuators B: Chemical, 2019, 280, 94-101.	7.8	26
17	Naked-Eye Detection of C1â€“C4 Alcohols Based on Ground-State Intramolecular Proton Transfer. Analytical Chemistry, 2014, 86, 2521-2525.	6.5	24
18	A ratiometric fluorescent sensor for pH fluctuation and its application in living cells with low dark toxicity. Dyes and Pigments, 2017, 136, 522-528.	3.7	24

#	Article	IF	Citations
19	One-step synthesis of mitochondrion-targeted fluorescent carbon dots and fluorescence detection of silver ions. Analytical Methods, 2020, 12, 2835-2840.	2.7	24
20	Ratiometric luminescence detection of hydrazine with a carbon dotsâ€“hemicyanine nanohybrid system. RSC Advances, 2017, 7, 10875-10880.	3.6	22
21	Mitochondria-targeted ratiometric fluorescent detection of hydrazine with a fast response time. New Journal of Chemistry, 2018, 42, 2030-2035.	2.8	22
22	Measurement of Temperature Distribution at the Nanoscale with Luminescent Probes Based on Lanthanide Nanoparticles and Quantum Dots. ACS Applied Materials & Interfaces, 2020, 12, 52393-52401.	8.0	21
23	Luminescence interference-free lifetime nanothermometry pinpoints in vivo temperature. Science China Chemistry, 2021, 64, 974-984.	8.2	21
24	A dual-model and onâ€“off fluorescent Al3+/Cu2+-chemosensor and the detection of Fâ¯/Al3+ with â€¯in situâ€™ prepared Al3+/Cu2+ complexes. New Journal of Chemistry, 2013, 37, 2257.	2.8	20
25	Synthesis of dual-emission fluorescent carbon quantum dots and their ratiometric fluorescence detection for arginine in 100% water solution. New Journal of Chemistry, 2019, 43, 13234-13239.	2.8	19
26	Naked-eye and fluorescence detection of basic pH and F^{â¯}with a 1,8-naphthalimide-based multifunctional probe. RSC Advances, 2015, 5, 15077-15083.	3.6	17
27	Nanomolar detection of Hcy, GSH and Cys in aqueous solution, test paper and living cells. RSC Advances, 2015, 5, 4941-4946.	3.6	17
28	Erâ€Based Luminescent Nanothermometer to Explore the Realâ€Time Temperature of Cells under External Stimuli. Small, 2022, 18, e2107963.	10.0	15
29	Carbonâ€dotâ€based ratiometric fluorescent probe of intracellular zinc ion and persulfate ion with low dark toxicity. Luminescence, 2020, 35, 1319-1327.	2.9	14
30	Naked-eye-based selective detection of pyrophosphate with a Zn²⁺ complex in aqueous solution and electrospun nanofibers. RSC Advances, 2015, 5, 25229-25235.	3.6	13
31	Colorimetric and fluorescent detection of hydrazine with high sensitivity and excellent selectivity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 208-212.	3.9	13
32	A mitochondrion-targeting fluorescent probe for hypochlorite anion in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118564.	3.9	13
33	Synthesis of a NIR fluorescent dye and its application for rapid detection of HSO3â¯ in living cells. Dyes and Pigments, 2021, 196, 109753.	3.7	13
34	A visible light excitable â€œonâ€“offâ€•and â€œgreenâ€“redâ€•fluorescent chemodosimeter for Ni2+/Pb2+. New Journal of Chemistry, 2012, 36, 2176.	2.8	11
35	Self-Assembled Micellar Nanosensor toward pH with high photo-stability and its application in living cells. Sensors and Actuators B: Chemical, 2018, 273, 927-934.	7.8	10
36	Colorimetric and Ratiometric Fluorescence Detection of HSO3â¯ With a NIR Fluorescent Dye. Journal of Fluorescence, 2021, 31, 1567-1574.	2.5	9

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37	Imaging of intracellular bisulfate based on sensitive ratiometric fluorescent probes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120335.	3.9	8
38	A mitochondrial and lysosomal targeted ratiometric probe for detecting intracellular H2S. Analytical Methods, 2022, 14, 101-105.	2.7	8
39	Preparation of Yellow Fluorescent N,O-CDs and its Application in Detection of ClOâ˜. Journal of Fluorescence, 2021, 31, 659-666.	2.5	6
40	Water-soluble starlike poly(acrylic acid) graft polymer: preparation and application as templates for silver nanoclusters. Polymer Bulletin, 2012, 68, 2229-2242.	3.3	4
41	The vesicle formation of Î²-CD and AD self-assembly of dumbbell-shaped amphiphilic triblock copolymer. Colloid and Polymer Science, 2016, 294, 145-155.	2.1	2
42	A novel near-infrared fluorescent probe for the detection of sulfur dioxide derivatives and its application in biological imaging. New Journal of Chemistry, 2022, 46, 10746-10751.	2.8	1