Xianshun Zeng

List of Publications by Year in Descending Order

77 papers	1,852 citations	26 h-index	40 g-index
82 ext. papers	2,126 ext. citations	4.4 avg, IF	4.99 L-index

#	Paper	IF	Citations
77	Novel near-infrared spectroscopic probe for visualizing hydrogen sulfide in lysosomes.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 271, 120917	4.4	0
76	Near-infrared fluorescent probe for sensing local microscopic extreme acidity and its application in mitochondria. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 427, 113815	4.7	0
75	Novel lysosome-targeted fluorescent molecular rotors based on a cyanine-like modular system and their application in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 265, 120404	4.4	0
74	A near-infrared and lager stocks shift xanthene-indolium sensor for probing hydrazine in mitochondria. *Dyes and Pigments*, **2022**, 203, 110382	4.6	0
73	Lysosomes-targeting near-infrared fluorescent probe for the detection of pH in living cells.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 278, 121368	4.4	1
72	An NADH-selective and sensitive fluorescence probe to evaluate living cell hypoxic stress. *Journal of Materials Chemistry B*, **2021**, 9, 9547-9552	7.3	0
71	Lysosome-targeted near-infrared fluorescent dye and its application in designing of probe for sensitive detection of cysteine in living cells. *Dyes and Pigments*, **2021**, 190, 109293	4.6	9
70	A lysosome-targeted fluorescent probe for the specific detection and imaging of formaldehyde in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 245, 118949	4.4	5
69	Developing a NIR emitting benzothiazolium-thioxanthene dye and its application for the design of lysosomes-targeting palladium(II) probe. *Dyes and Pigments*, **2021**, 196, 109796	4.6	2
68	Facile functionalized fluorescein derivative as a reversible fluorescence probe for selective monitor of the redox cycle between hypochlorous acid and cysteine. *Sensors and Actuators B: Chemical*, **2021**, 348, 130632	8.5	3
67	Novel mitochondria-targeted viscosity probe based on a fluorescent rotatable xanthene-hemicyanine dyad. *Microchemical Journal*, **2020**, 158, 105191	4.8	11
66	A novel near-infrared fluorescent probe with an improved Stokes shift for specific detection of Hg in mitochondria. *Organic and Biomolecular Chemistry*, **2020**, 18, 5238-5244	3.9	11
65	A lysosome-targeted near-infrared fluorescent probe for imaging endogenous cysteine (Cys) in living cells. *Journal of Materials Chemistry B*, **2020**, 8, 2269-2274	7.3	32
64	A lysosome-targeted near-infrared fluorescent probe for imaging of acid phosphatase in living cells. *Organic and Biomolecular Chemistry*, **2020**, 18, 1148-1154	3.9	13
63	A near-infrared fluorescent probe based on a novel rectilinearly extended rhodamine derivative and its applications. *Journal of Materials Chemistry B*, **2020**, 8, 2343-2349	7.3	12
62	A novel near-infrared fluorescent probe with large stokes shifts for sensing extreme acidity and its application in bioimaging. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 243, 118821	4.4	4
61	A rational design of fluorescent probes for specific detection and imaging of endogenous formaldehyde in living cells. *Tetrahedron*, **2020**, 76, 131617	2.4	7

60	Mitochondria-targeted fluorescent probe for imaging endogenous hydrogen sulfide in cellular antioxidant stress. *Analytical Methods*, **2020**, 12, 5061-5067	3.2	5
59	A deep-red fluorescent molecular rotor based on donor-two-acceptor modular system for imaging mitochondrial viscosity.. *RSC Advances*, **2020**, 10, 30825-30831	3.7	9
58	Novel near-infrared fluorescent probe with a large Stokes shift for sensing hypochlorous acid in mitochondria. *Organic and Biomolecular Chemistry*, **2020**, 18, 7656-7662	3.9	6
57	A novel NIR fluorescent probe for fast detection and imaging of methionine sulfoxide reductase A in lysosome of living cells. *Materials Advances*, **2020**, 1, 2401-2406	3.3	1
56	A lysosome-targeting viscosity-sensitive fluorescent probe based on a novel functionalised near-infrared xanthene-indolium dye and its application in living cells. *Journal of Materials Chemistry B*, **2020**, 8, 8838-8844	7.3	14
55	A near-infrared fluorescent probe with an improved Stokes shift achieved by tuning the donor-acceptor-donor character of the rhodamine skeleton and its applications.. *RSC Advances*, **2020**, 10, 29536-29542	3.7	2
54	Novel rhodamine dye with large Stokes shifts by fusing the 1,4-diethylpiperazine moiety and its applications in fast detection of Cu.. *RSC Advances*, **2020**, 10, 38038-38044	3.7	4
53	Highly selective and sensitive ratiometric near-infrared fluorescent probe for real-time detection of Hg2+ and its bioapplications in live cells. *Dyes and Pigments*, **2019**, 160, 86-92	4.6	39
52	A ratiometric fluorescent probe for hypochlorous acid and its biological applications. *Dyes and Pigments*, **2019**, 160, 989-994	4.6	31
51	A new Cu2+-selective fluorescent probe with six-membered spirocyclic hydrazide and its application in cell imaging. *Dyes and Pigments*, **2019**, 171, 107701	4.6	15
50	A highly selective and pH-tolerance fluorescent probe for Cu2+ based on a novel carbazole-rhodamine hybrid dye. *Dyes and Pigments*, **2019**, 160, 633-640	4.6	18
49	A mitochondria-targeted near-infrared fluorescent probe with a large Stokes shift for real-time detection of hypochlorous acid. *Organic and Biomolecular Chemistry*, **2018**, 17, 108-114	3.9	21
48	Synthesis and bioapplication of a highly selective and sensitive fluorescent probe for HOCl based on a phenothiazine–dicyanoisophorone conjugate with large Stokes shift. *New Journal of Chemistry*, **2018**, 42, 5135-5141	3.6	15
47	Graphene quantum dots derived from hollow carbon nano-onions. *Nano Research*, **2018**, 11, 174-184	10	19
46	Novel π-extended hybrid xanthene dyes with two spirolactone rings for optoelectronic and biological applications. *Organic and Biomolecular Chemistry*, **2018**, 16, 7609-7618	3.9	7
45	Synthesis of near-infrared fluorescent rhodamines via an SAr reaction and their biological applications. *Organic and Biomolecular Chemistry*, **2018**, 16, 7163-7169	3.9	12
44	A rhodamine-based fast and selective fluorescent probe for monitoring exogenous and endogenous nitric oxide in live cells. *Journal of Materials Chemistry B*, **2018**, 6, 4096-4103	7.3	18
43	A colorimetric and fluorometric dual-modal sensor for methanol based on a functionalized pentacenequinone derivative. *Chemical Communications*, **2018**, 54, 8339-8342	5.8	17

42	A selective and sensitive fluorescent probe for homocysteine and its application in living cells. *Dyes and Pigments*, **2017**, 140, 212-221	4.6	42
41	Triboelectric nanogenerator based on 317L stainless steel and ethyl cellulose for biomedical applications. *RSC Advances*, **2017**, 7, 6772-6779	3.7	40
40	A fluoran-based fluorescent probe via a strategy of blocking the intramolecular photoinduced electron transfer (PET) process. *Tetrahedron Letters*, **2017**, 58, 2004-2008	2	17
39	A highly selective and sensitive fluorescent probe for Cu based on a novel naphthalimide-rhodamine platform and its application in live cell imaging. *Organic and Biomolecular Chemistry*, **2017**, 15, 3947-3954	3.9	34
38	Fluorescence regulation of 4-aminobenzofluoran and its applications for Cu 2+ -selective fluorescent probe and bioimaging. *Dyes and Pigments*, **2017**, 143, 379-386	4.6	30
37	Synthesis of a novel Extended hybrid rhodamine dye with far-red fluorescence emission and its application in bioimaging. *Dyes and Pigments*, **2017**, 145, 561-569	4.6	18
36	A highly selective and sensitive fluorescent probe for hypochlorous acid and its lysosome-targetable biological applications. *Talanta*, **2017**, 174, 234-242	6.2	28
35	Highly selective and sensitive fluorescent probe for mercury ions based on a novel rhodol-coumarin hybrid dye. *Dyes and Pigments*, **2017**, 142, 437-446	4.6	35
34	Fluorescence probe for hypochlorous acid in water and its applications for highly lysosome-targetable live cell imaging. *Analytica Chimica Acta*, **2017**, 969, 49-56	6.6	53
33	A unique rectilinearly Extended rhodamine dye with large Stokes shift and near-infrared fluorescence for bioimaging. *Chemical Communications*, **2017**, 53, 10727-10730	5.8	45
32	Synthesis of novel naphtho[2,3- b]furan-4,9-diones bearing 2-aminopyridine moiety under aerobic condition and their absorption behaviors. *Tetrahedron*, **2017**, 73, 6962-6968	2.4	2
31	Synthesis, optical, and chemical properties of a Extended rhodol derivative and its derivatives with selectivity and sensitivity for sensing Hg2+ in aqueous media. *RSC Advances*, **2016**, 6, 85165-85172	3.7	6
30	Synthesis of Stereodefined Multi-Functionalized Tetrasubstituted Olefins via a Catalyst-Free Oxidative Coupling Strategy and Their Application for Hpochlorite Anion Detection. *ChemistrySelect*, **2016**, 1, 6485-6489	1.8	2
29	A highly selective and sensitive photoinduced electron transfer (PET) based HOCl fluorescent probe in water and its endogenous imaging in living cells. *Chemical Communications*, **2016**, 52, 7982-5	5.8	81
28	Sensitive and selective fluorescent chemosensors combining multiple PET processes for Ag+ sensing. *Chemical Research in Chinese Universities*, **2016**, 32, 20-27	2.2	13
27	Design and synthesis of a rhodol isomer and its derivatives with high selectivity and sensitivity for sensing Hg2+ and F In aqueous media. *RSC Advances*, **2016**, 6, 75570-75577	3.7	12
26	Molecular design and synthesis of a pH independent and cell permeant fluorescent dye and its applications. *Organic and Biomolecular Chemistry*, **2015**, 13, 6647-53	3.9	12
25	Rhodamine 6G-based chemosensor for the visual detection of Cu2+ and fluorescent detection of Hg2+ in water. *Chemical Research in Chinese Universities*, **2014**, 30, 32-36	2.2	12

24	Tunable PET process by the intercalation of cationic styryl dye in DNA base pairs and its application as turn-on fluorescent sensor for Ag+. *RSC Advances*, **2014**, 4, 14361	3.7	11
23	Preparation of fluorescein-based chemosensors and their sensing behaviors toward silver ions. *RSC Advances*, **2014**, 4, 16109	3.7	38
22	A highly selective turn-on fluorescent chemodosimeter for Cu(2+) through a Cu (2+)-promoted redox reaction. *Journal of Fluorescence*, **2014**, 24, 1671-7	2.4	16
21	A highly sensitive and selective turn-on fluorescent chemosensor for palladium based on a phosphine-rhodamine conjugate. *Chemical Communications*, **2013**, 49, 822-4	5.8	94
20	Novel water soluble styrylquinolinium boronic acid as a ratiometric reagent for the rapid detection of hypochlorite ion. *Dyes and Pigments*, **2013**, 99, 733-739	4.6	57
19	Novel mercury sensor based on water soluble styrylindolium dye. *Dyes and Pigments*, **2013**, 96, 424-429	4.6	38
18	Fluorescence turn-on detection of DNA based on the aggregation-induced emission of conjugated poly(pyridinium salt)s. *Polymer Chemistry*, **2013**, 4, 4045	4.9	37
17	Efficient fluorescent chemosensors for HSO4(-) based on a strategy of anion-induced rotation-displaced H-aggregates. *Chemical Communications*, **2013**, 49, 6259-61	5.8	55
16	The nature of the styrylindolium dye: transformations among its monomer, aggregates and water adducts. *Journal of Materials Chemistry C*, **2013**, 1, 4770	7.1	10
15	Homogeneous and sensitive DNA detection based on polyelectrolyte complexes of cationic conjugated poly(pyridinium salt)s and DNA. *Journal of Materials Chemistry*, **2012**, 22, 4106		29
14	Highly sensitive fluorescent chemosensor for hypochlorite anion based on a novel irreversible ring-opening strategy. *Analytical Methods*, **2012**, 4, 616	3.2	49
13	Selective and sensitive fluorescence chemosensor for the hypochlorite anion in water. *Journal of Fluorescence*, **2012**, 22, 1257-62	2.4	18
12	Highly selective and sensitive fluorescent turn-on chemosensor for Al3+ based on a novel photoinduced electron transfer approach. *Organic Letters*, **2011**, 13, 5274-7	6.2	185
11	Highly sensitive and selective fluorescent chemosensor for Ag+ based on a coumarin-Se2N chelating conjugate. *Chemical Communications*, **2011**, 47, 2408-10	5.8	111
10	Novel hemicyanine dye as colorimetric and fluorometric dual-modal chemosensor for mercury in water. *Organic and Biomolecular Chemistry*, **2011**, 9, 2606-9	3.9	53
9	Aggregates of cholic acid and benzylamine as templates for the formation of hollow silica spheres. *Journal of Materials Science*, **2010**, 45, 6830-6833	4.3	7
8	Replacement of a nitrogen by a phosphorus donor in biomimetic copper complexes: a surprising and informative case study with calix[6]arene-based cryptands. *Inorganic Chemistry*, **2009**, 48, 4317-30	5.1	24
7	Poly(pyridinium) salts containing calix[4]arene segments in the main chain as potential biosensors. *Journal of Materials Chemistry*, **2009**, 19, 8796		16

6	Drastic effects of the second coordination sphere on neutral vs. anionic guest binding to a biomimetic Cu(II) center embedded in a calix[6]aza-cryptand. *Chemical Communications*, **2007**, 810-2	5.8	48
5	Synthesis of a tweezer-like bis(arylthiaalkoxy)calix[4]arene as a cation sensor for ion-selective electrodes: an investigation of the influence of neighboring halogen atoms on cation selectivity. *Organic and Biomolecular Chemistry*, **2003**, 1, 1073-9	3.9	19
4	The first synthesis of a calix[4](diseleno)crown ether as a sensor for ion-selective electrodes. *Tetrahedron Letters*, **2002**, 43, 131-134	2	36
3	Novel bis(phenylselenoalkoxy)calix[4]arene molecular tweezer receptors as sensors for ion-selective electrodes. *Perkin Transactions II RSC*, **2002**, 796-801		15
2	The synthesis of some pyridyl functionalized calix[4]arenes as thesensor molecule for silver ion-selective electrodes. *Perkin Transactions II RSC*, **2001**, 545-549		34
1	Syntheses and ion-selective properties of 25,27-bis(2-hydroxyethylthioalkoxyl)-26,28-dihydroxycalix[4]arenes. *Journal of Chemical Research*, **2000**, 2000, 518-519	0.6	7