

# Xianshun Zeng

## List of Publications by Citations

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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.

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	Highly selective and sensitive fluorescent turn-on chemosensor for Al <sup>3+</sup> based on a novel photoinduced electron transfer approach. <i>Organic Letters</i> , <b>2011</b> , 13, 5274-7	6.2	185
76	Highly sensitive and selective fluorescent chemosensor for Ag <sup>+</sup> based on a coumarin-Se <sub>2</sub> N chelating conjugate. <i>Chemical Communications</i> , <b>2011</b> , 47, 2408-10	5.8	111
75	A highly sensitive and selective turn-on fluorescent chemosensor for palladium based on a phosphine-rhodamine conjugate. <i>Chemical Communications</i> , <b>2013</b> , 49, 822-4	5.8	94
74	A highly selective and sensitive photoinduced electron transfer (PET) based HOCl fluorescent probe in water and its endogenous imaging in living cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 7982-5	5.8	81
73	Novel water soluble styrylquinolinium boronic acid as a ratiometric reagent for the rapid detection of hypochlorite ion. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 733-739	4.6	57
72	Efficient fluorescent chemosensors for HSO <sub>4</sub> <sup>-</sup> based on a strategy of anion-induced rotation-displaced H-aggregates. <i>Chemical Communications</i> , <b>2013</b> , 49, 6259-61	5.8	55
71	Fluorescence probe for hypochlorous acid in water and its applications for highly lysosome-targetable live cell imaging. <i>Analytica Chimica Acta</i> , <b>2017</b> , 969, 49-56	6.6	53
70	Novel hemicyanine dye as colorimetric and fluorometric dual-modal chemosensor for mercury in water. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 2606-9	3.9	53
69	Highly sensitive fluorescent chemosensor for hypochlorite anion based on a novel irreversible ring-opening strategy. <i>Analytical Methods</i> , <b>2012</b> , 4, 616	3.2	49
68	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. <i>Chemical Communications</i> , <b>2007</b> , 810-2	5.8	48
67	A unique rectilinearly extended rhodamine dye with large Stokes shift and near-infrared fluorescence for bioimaging. <i>Chemical Communications</i> , <b>2017</b> , 53, 10727-10730	5.8	45
66	A selective and sensitive fluorescent probe for homocysteine and its application in living cells. <i>Dyes and Pigments</i> , <b>2017</b> , 140, 212-221	4.6	42
65	Triboelectric nanogenerator based on 317L stainless steel and ethyl cellulose for biomedical applications. <i>RSC Advances</i> , <b>2017</b> , 7, 6772-6779	3.7	40
64	Highly selective and sensitive ratiometric near-infrared fluorescent probe for real-time detection of Hg <sup>2+</sup> and its bioapplications in live cells. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 86-92	4.6	39
63	Preparation of fluorescein-based chemosensors and their sensing behaviors toward silver ions. <i>RSC Advances</i> , <b>2014</b> , 4, 16109	3.7	38
62	Novel mercury sensor based on water soluble styrylindolium dye. <i>Dyes and Pigments</i> , <b>2013</b> , 96, 424-429	4.6	38
61	Fluorescence turn-on detection of DNA based on the aggregation-induced emission of conjugated poly(pyridinium salt)s. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4045	4.9	37

60	The first synthesis of a calix[4](diseleno)crown ether as a sensor for ion-selective electrodes. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 131-134	2	36
59	Highly selective and sensitive fluorescent probe for mercury ions based on a novel rhodol-coumarin hybrid dye. <i>Dyes and Pigments</i> , <b>2017</b> , 142, 437-446	4.6	35
58	A highly selective and sensitive fluorescent probe for Cu based on a novel naphthalimide-rhodamine platform and its application in live cell imaging. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 3947-3954	3.9	34
57	The synthesis of some pyridyl functionalized calix[4]arenes as the sensor molecule for silver ion-selective electrodes. <i>Perkin Transactions II RSC</i> , <b>2001</b> , 545-549		34
56	A lysosome-targeted near-infrared fluorescent probe for imaging endogenous cysteine (Cys) in living cells. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2269-2274	7.3	32
55	A ratiometric fluorescent probe for hypochlorous acid and its biological applications. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 989-994	4.6	31
54	Fluorescence regulation of 4-aminobenzofluoran and its applications for Cu <sup>2+</sup> -selective fluorescent probe and bioimaging. <i>Dyes and Pigments</i> , <b>2017</b> , 143, 379-386	4.6	30
53	Homogeneous and sensitive DNA detection based on polyelectrolyte complexes of cationic conjugated poly(pyridinium salt)s and DNA. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4106		29
52	A highly selective and sensitive fluorescent probe for hypochlorous acid and its lysosome-targetable biological applications. <i>Talanta</i> , <b>2017</b> , 174, 234-242	6.2	28
51	Replacement of a nitrogen by a phosphorus donor in biomimetic copper complexes: a surprising and informative case study with calix[6]arene-based cryptands. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4317-30	5.1	24
50	A mitochondria-targeted near-infrared fluorescent probe with a large Stokes shift for real-time detection of hypochlorous acid. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 17, 108-114	3.9	21
49	Graphene quantum dots derived from hollow carbon nano-onions. <i>Nano Research</i> , <b>2018</b> , 11, 174-184	10	19
48	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. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 1073-9	3.9	19
47	Synthesis of a novel extended hybrid rhodamine dye with far-red fluorescence emission and its application in bioimaging. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 561-569	4.6	18
46	Selective and sensitive fluorescence chemosensor for the hypochlorite anion in water. <i>Journal of Fluorescence</i> , <b>2012</b> , 22, 1257-62	2.4	18
45	A highly selective and pH-tolerance fluorescent probe for Cu <sup>2+</sup> based on a novel carbazole-rhodamine hybrid dye. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 633-640	4.6	18
44	A rhodamine-based fast and selective fluorescent probe for monitoring exogenous and endogenous nitric oxide in live cells. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 4096-4103	7.3	18
43	A fluoran-based fluorescent probe via a strategy of blocking the intramolecular photoinduced electron transfer (PET) process. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2004-2008	2	17

42	A colorimetric and fluorometric dual-modal sensor for methanol based on a functionalized pentacenequinone derivative. <i>Chemical Communications</i> , <b>2018</b> , 54, 8339-8342	5.8	17
41	A highly selective turn-on fluorescent chemodosimeter for Cu(2+) through a Cu (2+)-promoted redox reaction. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1671-7	2.4	16
40	Poly(pyridinium) salts containing calix[4]arene segments in the main chain as potential biosensors. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8796		16
39	Synthesis and bioapplication of a highly selective and sensitive fluorescent probe for HOCl based on a phenothiazine- $\pi$ -cyanoisophorone conjugate with large Stokes shift. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5135-5141	3.6	15
38	A new Cu <sup>2+</sup> -selective fluorescent probe with six-membered spirocyclic hydrazide and its application in cell imaging. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107701	4.6	15
37	Novel bis(phenylselenoalkoxy)calix[4]arene molecular tweezer receptors as sensors for ion-selective electrodes. <i>Perkin Transactions II RSC</i> , <b>2002</b> , 796-801		15
36	A lysosome-targeting viscosity-sensitive fluorescent probe based on a novel functionalised near-infrared xanthene-indolium dye and its application in living cells. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 8838-8844	7.3	14
35	A lysosome-targeted near-infrared fluorescent probe for imaging of acid phosphatase in living cells. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 1148-1154	3.9	13
34	Sensitive and selective fluorescent chemosensors combining multiple PET processes for Ag <sup>+</sup> sensing. <i>Chemical Research in Chinese Universities</i> , <b>2016</b> , 32, 20-27	2.2	13
33	Rhodamine 6G-based chemosensor for the visual detection of Cu <sup>2+</sup> and fluorescent detection of Hg <sup>2+</sup> in water. <i>Chemical Research in Chinese Universities</i> , <b>2014</b> , 30, 32-36	2.2	12
32	Molecular design and synthesis of a pH independent and cell permeant fluorescent dye and its applications. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 6647-53	3.9	12
31	A near-infrared fluorescent probe based on a novel rectilinearly extended rhodamine derivative and its applications. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2343-2349	7.3	12
30	Design and synthesis of a rhodol isomer and its derivatives with high selectivity and sensitivity for sensing Hg <sup>2+</sup> and Pb <sup>2+</sup> in aqueous media. <i>RSC Advances</i> , <b>2016</b> , 6, 75570-75577	3.7	12
29	Synthesis of near-infrared fluorescent rhodamines via an SAr reaction and their biological applications. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 7163-7169	3.9	12
28	Novel mitochondria-targeted viscosity probe based on a fluorescent rotatable xanthene-hemicyanine dyad. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105191	4.8	11
27	A novel near-infrared fluorescent probe with an improved Stokes shift for specific detection of Hg in mitochondria. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 5238-5244	3.9	11
26	Tunable PET process by the intercalation of cationic styryl dye in DNA base pairs and its application as turn-on fluorescent sensor for Ag <sup>+</sup> . <i>RSC Advances</i> , <b>2014</b> , 4, 14361	3.7	11
25	The nature of the styrylindolium dye: transformations among its monomer, aggregates and water adducts. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4770	7.1	10

24	A deep-red fluorescent molecular rotor based on donor-two-acceptor modular system for imaging mitochondrial viscosity.. <i>RSC Advances</i> , <b>2020</b> , 10, 30825-30831	3.7	9
23	Lysosome-targeted near-infrared fluorescent dye and its application in designing of probe for sensitive detection of cysteine in living cells. <i>Dyes and Pigments</i> , <b>2021</b> , 190, 109293	4.6	9
22	Aggregates of cholic acid and benzylamine as templates for the formation of hollow silica spheres. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 6830-6833	4.3	7
21	Syntheses and ion-selective properties of 25,27-bis(2-hydroxyethylthioalkoxyl)-26,28-dihydroxycalix[4]arenes. <i>Journal of Chemical Research</i> , <b>2000</b> , 2000, 518-519	0.6	7
20	A rational design of fluorescent probes for specific detection and imaging of endogenous formaldehyde in living cells. <i>Tetrahedron</i> , <b>2020</b> , 76, 131617	2.4	7
19	Novel Extended hybrid xanthene dyes with two spirolactone rings for optoelectronic and biological applications. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 7609-7618	3.9	7
18	Synthesis, optical, and chemical properties of a Extended rhodol derivative and its derivatives with selectivity and sensitivity for sensing Hg <sup>2+</sup> in aqueous media. <i>RSC Advances</i> , <b>2016</b> , 6, 85165-85172	3.7	6
17	Novel near-infrared fluorescent probe with a large Stokes shift for sensing hypochlorous acid in mitochondria. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 7656-7662	3.9	6
16	Mitochondria-targeted fluorescent probe for imaging endogenous hydrogen sulfide in cellular antioxidant stress. <i>Analytical Methods</i> , <b>2020</b> , 12, 5061-5067	3.2	5
15	A lysosome-targeted fluorescent probe for the specific detection and imaging of formaldehyde in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 245, 118949	4.4	5
14	A novel near-infrared fluorescent probe with large stokes shifts for sensing extreme acidity and its application in bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 243, 118821	4.4	4
13	Novel rhodamine dye with large Stokes shifts by fusing the 1,4-diethylpiperazine moiety and its applications in fast detection of Cu.. <i>RSC Advances</i> , <b>2020</b> , 10, 38038-38044	3.7	4
12	Facile functionalized fluorescein derivative as a reversible fluorescence probe for selective monitor of the redox cycle between hypochlorous acid and cysteine. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 348, 130632	8.5	3
11	Synthesis of novel naphtho[2,3- b ]furan-4,9-diones bearing 2-aminopyridine moiety under aerobic condition and their absorption behaviors. <i>Tetrahedron</i> , <b>2017</b> , 73, 6962-6968	2.4	2
10	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.. <i>RSC Advances</i> , <b>2020</b> , 10, 29536-29542	3.7	2
9	Synthesis of Stereodefined Multi-Functionalized Tetrasubstituted Olefins via a Catalyst-Free Oxidative Coupling Strategy and Their Application for Hpochlorite Anion Detection. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6485-6489	1.8	2
8	Developing a NIR emitting benzothiazolium-thioxanthene dye and its application for the design of lysosomes-targeting palladium(II) probe. <i>Dyes and Pigments</i> , <b>2021</b> , 196, 109796	4.6	2
7	A novel NIR fluorescent probe for fast detection and imaging of methionine sulfoxide reductase A in lysosome of living cells. <i>Materials Advances</i> , <b>2020</b> , 1, 2401-2406	3.3	1

6	Lysosomes-targeting near-infrared fluorescent probe for the detection of pH in living cells.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 278, 121368	4.4	1
5	Novel near-infrared spectroscopic probe for visualizing hydrogen sulfide in lysosomes.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 271, 120917	4.4	0
4	Near-infrared fluorescent probe for sensing local microscopic extreme acidity and its application in mitochondria. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 427, 113815	4.7	0
3	An NADH-selective and sensitive fluorescence probe to evaluate living cell hypoxic stress. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9547-9552	7.3	0
2	Novel lysosome-targeted fluorescent molecular rotors based on a cyanine-like modular system and their application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 265, 120404	4.4	0
1	A near-infrared and lager stocks shift xanthene-indolium sensor for probing hydrazine in mitochondria. <i>Dyes and Pigments</i> , <b>2022</b> , 203, 110382	4.6	0