

Xiangzhi Song

List of Publications by Year in descending order

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106
papers

4,828
citations

93792

39
h-index

120465

65
g-index

106
all docs

106
docs citations

106
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Coumarin-based two-photon AIE fluorophores: Photophysical properties and biological application. <i>Chinese Chemical Letters</i> , 2023, 34, 107674.	4.8	2
2	Low temperature photothermal therapy: Advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214330.	9.5	98
3	Evaluation of Nitric Oxide Fluctuation Via a Fast, Responsive Fluorescent Probe in Idiopathic Pulmonary Fibrosis Cells and Mice Models. <i>Analytical Chemistry</i> , 2022, 94, 4072-4077.	3.2	14
4	Dual-Ratiometric Fluorescent Probe for H ₂ O ₂ and HClO in Living Cells and Zebrafish and Application in Alcoholic Liver Injury Monitoring. <i>ACS Applied Bio Materials</i> , 2022, 5, 1683-1691.	2.3	7
5	A ratiometric fluorescent probe with large Stokes shift and emission shift for sensing hydrazine in living organisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121096.	2.0	15
6	A-DA ² D-A Structured Organic Phototheranostics for NIR-II Fluorescence/Photoacoustic Imaging-Guided Photothermal and Photodynamic Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18043-18052.	4.0	35
7	Carbon Dots and Eu ³⁺ Hybrid-Based Ratiometric Fluorescent Probe for Oxytetracycline Detection. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5825-5832.	1.8	20
8	Tumor microenvironment-responsive S-NSs-TPZ-ICG intelligent nanoplatfoms for synergistically enhanced tumor multimodal therapy. <i>Chemical Communications</i> , 2022, 58, 6251-6254.	2.2	5
9	A benzothiazole-based ratiometric fluorescent probe with large Stokes shifts for quantitative profiling of sulfite in real samples and living cells. <i>Green Chemical Engineering</i> , 2022, , .	3.3	2
10	A "donor-acceptor" structured semiconductor polymer for near infrared fluorescence imaging guided photodynamic therapy. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .	0.5	3
11	Photovoltaic molecules with ultra-high light energy utilization for near-infrared laser triggered synergetic photodynamic and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7622-7627.	2.9	3
12	Synthesis strategies, luminescence mechanisms, and biomedical applications of near-infrared fluorescent carbon dots. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214703.	9.5	64
13	Rational design of a bifunctional fluorescent probe for distinguishing Hcy/Cys from GSH with ideal properties. <i>Chinese Chemical Letters</i> , 2021, 32, 1061-1065.	4.8	37
14	A carbon dot-based fluorometric probe for oxytetracycline detection utilizing a Förster resonance energy transfer mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118947.	2.0	40
15	A long-wavelength activable AIEgen fluorescent probe for HClO and cell apoptosis imaging. <i>Analyst</i> , 2021, 146, 6490-6495.	1.7	11
16	Selective and discriminative fluorescence sensing of Cys, Hcy, GSH and H ₂ S with concise and distinct signals. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129394.	4.0	28
17	Tackling the Selectivity Dilemma of Benzopyrylium "Coumarin Dyes in Fluorescence Sensing of HClO and SO ₂ . <i>Analytical Chemistry</i> , 2021, 93, 5194-5200.	3.2	54
18	An endoplasmic reticulum-targeting fluorescent probe for discriminatory detection of Cys, Hcy and GSH in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 250, 119347.	2.0	19

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19	Improved synthetic method of Benzo[a]pheno-selenazinium phototherapeutic agents. <i>Dyes and Pigments</i> , 2021, 188, 109154.	2.0	1
20	ER stress modulates apoptosis in A431 cell subjected to EtNBS ₂ -PDT via the PERK pathway. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102305.	1.3	4
21	A red-emitting fluorescent probe for sensing and imaging biothiols in living cells. <i>Journal of Luminescence</i> , 2021, 234, 117994.	1.5	12
22	A Ratiometric, Fast-Responsive and Single-Wavelength Excited Fluorescent Probe for the Discrimination of Cys and Hcy. <i>Analytical Chemistry</i> , 2021, 93, 10934-10939.	3.2	52
23	A bifunctional fluorescent probe for simultaneous detection of GSH and H ₂ Sn (n > 1) from different channels with long-wavelength emission. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 257, 119789.	2.0	8
24	Polythiophene-Based Carbon Dots for Imaging-Guided Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2021, 4, 10528-10533.	2.4	24
25	Double-channel based fluorescent probe for differentiating GSH and H ₂ Sn (n > 1) via a single-wavelength excitation with long-wavelength emission. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130224.	4.0	15
26	A phenothiazine coumarin based ratiometric fluorescent probe for real-time detection of lysosomal hypochlorite in living cell and zebra fish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120024.	2.0	15
27	De Novo Design of a Robust Fluorescent Probe for Basal HClO ₂ Imaging in a Mouse Parkinson's Disease Model. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4058-4064.	1.7	14
28	Rational Development of Dual-Ratiometric Fluorescent Probes for Distinguishing between H ₂ S and SO ₂ in Living Organisms. <i>Analytical Chemistry</i> , 2021, 93, 15209-15215.	3.2	34
29	Coumarinocoumarin-based fluorescent probe for the sensitive and selective detection of hydrazine in living cells and zebra fish. <i>Chinese Chemical Letters</i> , 2020, 31, 129-132.	4.8	23
30	A rapid and sensitive fluorescent probe for detecting hydrogen polysulfides in living cells and zebra fish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117410.	2.0	17
31	A carbon dots-based fluorescent probe for turn-on sensing of ampicillin. <i>Dyes and Pigments</i> , 2020, 172, 107846.	2.0	75
32	The unique substitution-cyclization reaction cascade inspired highly selective H ₂ Sn probe development. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127382.	4.0	9
33	Construction of red-emitting iminocoumarin-based fluorescent borate complexes with a large Stokes shift. <i>Dyes and Pigments</i> , 2020, 173, 108007.	2.0	3
34	Carbon Dots and a CdTe Quantum Dot Hybrid-Based Fluorometric Probe for Spermine Detection. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1723-1729.	1.8	56
35	Red-emitting fluorescent probe for discrimination of Cys/Hcy and GSH with a large Stokes shift under a single-wavelength excitation. <i>Analytica Chimica Acta</i> , 2020, 1097, 245-253.	2.6	25
36	Simultaneous detection of Cys/Hcy and H ₂ S through distinct fluorescence channels. <i>Analytica Chimica Acta</i> , 2020, 1097, 238-244.	2.6	35

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37	Rational Design of a Two-Photon Ratiometric Fluorescent Probe for Hypochlorous Acid with a Large Stokes Shift. <i>Analytical Chemistry</i> , 2020, 92, 11029-11034.	3.2	82
38	A near-infrared fluorescent probe for hydrogen polysulfides detection with a large Stokes shift. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118755.	2.0	11
39	Endoplasmic reticulum-targetable fluorescent probe for visualizing HClO in EC1 cells. <i>Tetrahedron Letters</i> , 2020, 61, 152301.	0.7	5
40	An acetophenothiazine-based fluorescence probe for multi-channel imaging of thiophenol with a large Stokes shift. <i>Tetrahedron Letters</i> , 2020, 61, 152038.	0.7	7
41	A bond energy transfer based difunctional fluorescent sensor for Cys and bisulfite. <i>Talanta</i> , 2020, 214, 120884.	2.9	15
42	Investigation of the Relationship Between H ₂ O ₂ and HClO in Living Cells by a Bifunctional, Dual-ratiometric Responsive Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 5134-5142.	3.2	56
43	Fluorescent Detection of Dynamic H ₂ O ₂ /H ₂ S Redox Event in Living Cells and Organisms. <i>Analytical Chemistry</i> , 2020, 92, 4387-4394.	3.2	48
44	A novel near-infrared ratiometric fluorescent probe for SO ₂ detection with a large emission shift. <i>New Journal of Chemistry</i> , 2020, 44, 4554-4557.	1.4	13
45	Red-emitting boron difluoride complexes with a mega-large Stokes shift and unexpectedly high fluorescence quantum yield. <i>Chemical Communications</i> , 2020, 56, 2159-2162.	2.2	34
46	A ratiometric merocyanine-based fluorescent probe for detecting hydrazine in living cells and zebra fish. <i>Chinese Chemical Letters</i> , 2020, 31, 1508-1510.	4.8	35
47	A dual-ratiometric fluorescent probe for individual and continuous detection of H ₂ S and HClO in living cells. <i>Chemical Communications</i> , 2020, 56, 2849-2852.	2.2	67
48	An instantaneous fluorescent probe for detecting hydrogen sulfide in biological systems. <i>New Journal of Chemistry</i> , 2019, 43, 13594-13599.	1.4	18
49	A naphthalimide-indole fused chromophore-based fluorescent probe for the detection of biothiol with red emission and a large Stokes shift. <i>New Journal of Chemistry</i> , 2019, 43, 13212-13216.	1.4	12
50	Simultaneous Discrimination of Cysteine, Homocysteine, Glutathione, and H ₂ S in Living Cells through a Multisignal Combination Strategy. <i>Analytical Chemistry</i> , 2019, 91, 1904-1911.	3.2	89
51	An endoplasmic reticulum-targetable fluorescent probe for highly selective detection of hydrogen sulfide. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1436-1441.	1.5	44
52	Unexpected reaction patterns enable simultaneous differentiation of H ₂ S, H ₂ S _n and biothiols. <i>Chemical Communications</i> , 2019, 55, 8130-8133.	2.2	22
53	A fluorescent probe for the discriminatory detection of Cys/Hcy, GSH and H ₂ S in living cells and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126533.	4.0	59
54	A HBT-based bifunctional fluorescent probe for the ratiometric detection of fluoride and sulphite in real samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 547-551.	2.0	24

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55	A lysosome-targetable fluorescent probe for the simultaneous sensing of Cys/Hcy and GSH from different emission channels. <i>RSC Advances</i> , 2019, 9, 7955-7960.	1.7	16
56	An ideal platform of light-emitting materials from phenothiazine: facile preparation, tunable red/NIR fluorescence, bent geometry-promoted AIE behaviour and selective lipid-droplet (LD) tracking ability. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4185-4190.	2.7	32
57	A ratiometric flavone-based fluorescent probe for hypochlorous acid detection with large Stokes shift and long-wavelength emission. <i>Dyes and Pigments</i> , 2019, 166, 390-394.	2.0	28
58	A ratiometric fluorescent probe for the detection of hypochlorous acid in living cells and zebra fish with a long wavelength emission. <i>Chinese Chemical Letters</i> , 2019, 30, 1075-1077.	4.8	52
59	A ratiometric fluorescent probe for simultaneous detection of Cys/Hcy and GSH. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9631-9635.	1.5	27
60	A red-emitting water-soluble fluorescent probe for biothiol detection with a large Stokes shift. <i>Chinese Chemical Letters</i> , 2019, 30, 563-565.	4.8	44
61	Superoxide Radical Photogenerator with Amplification Effect: Surmounting the Achilles Heels of Photodynamic Oncotherapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 2695-2702.	6.6	238
62	A red-emitting fluorescent probe for hydrogen sulfide in living cells with a large Stokes shift. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1150-1156.	1.5	34
63	Novel S, N-doped carbon quantum dot-based "off-on" fluorescent sensor for silver ion and cysteine. <i>Talanta</i> , 2018, 180, 300-308.	2.9	121
64	Iminocoumarin-based fluorescence probe for intracellular H ₂ O ₂ detection with a red emission and a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 803-808.	4.0	39
65	Fluorine-free, highly efficient, blue-green and sky-blue-emitting cationic iridium complexes and their use for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1509-1520.	2.7	21
66	Methylated chromenoquinoline dyes: synthesis, optical properties, and application for mitochondrial labeling. <i>Chemical Communications</i> , 2018, 54, 1509-1512.	2.2	32
67	Fluorescent probe for simultaneous discrimination of Cys/Hcy and GSH in pure aqueous media with a fast response under a single-wavelength excitation. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1170-1178.	4.0	52
68	A sensitive and selective fluorescent probe for the detection of hydrogen peroxide with a red emission and a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1160-1165.	4.0	51
69	Anchoring a Sulfonate Group to an Electron-Transporting Molecule by an Alkyl Chain and Its Use as the Counter Anion in a Phosphorescent Cationic Iridium Complex. <i>ChemPlusChem</i> , 2018, 83, 246-253.	1.3	7
70	Elucidating the Nonradiative Deactivation Pathways in a Cationic Iridium Complex with 2,4-di(1 <i>H</i> -pyrazol-1-yl)Pyridine as the Ancillary Ligand. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28256-28264.	1.5	13
71	A Lysosome-Targetable Fluorescent Probe for Simultaneously Sensing Cys/Hcy, GSH, and H ₂ S from Different Signal Patterns. <i>ACS Sensors</i> , 2018, 3, 2513-2517.	4.0	108
72	Near-Infrared Light-Initiated Molecular Superoxide Radical Generator: Rejuvenating Photodynamic Therapy against Hypoxic Tumors. <i>Journal of the American Chemical Society</i> , 2018, 140, 14851-14859.	6.6	442

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73	No aggregation-induced-emission but quenching of phosphorescence for an iridium complex with a 2,2-diphenylvinyl motif: a joint experimental and theoretical study. <i>Dalton Transactions</i> , 2018, 47, 8023-8031.	1.6	7
74	Red-emitting salicylaldehyde Schiff base with AIE behaviour and large Stokes shift. <i>Chinese Chemical Letters</i> , 2018, 29, 1493-1496.	4.8	35
75	An aqueous methylated chromenoquinoline-based fluorescent probe for instantaneous sensing of thiophenol with a red emission and a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1670-1675.	4.0	43
76	Endoplasmic reticulum stress-mediated autophagy contributes to 5-ethylamino-9-diethylaminobenzo[a]phenoselenazinium-mediated photodynamic therapy via the PERK–eIF2α pathway. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 4315-4325.	1.0	10
77	A mitochondria-targeting ratiometric fluorescent probe for imaging hydrogen peroxide with long-wavelength emission and large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 247-253.	4.0	55
78	A naphthalimide-indole fused chromophore-based fluorescent probe for instantaneous detection of thiophenol with a red emission and a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 136-141.	4.0	51
79	A Triple-Emission Fluorescent Probe for Discriminatory Detection of Cysteine/Homocysteine, Glutathione/Hydrogen Sulfide, and Thiophenol in Living Cells. <i>ACS Sensors</i> , 2018, 3, 1863-1869.	4.0	105
80	An instantaneous near-infrared trimethyl lock based fluorescent probe for biothiols with a large Stokes shift. <i>Analytica Chimica Acta</i> , 2018, 1034, 168-175.	2.6	25
81	A red-emitting fluorescent probe for the detection of Hg ²⁺ in aqueous medium, living cells and organisms with a large Stokes shift. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5036-5042.	1.5	22
82	A phenothiazine coumarin-based red emitting fluorescent probe for nanomolar detection of thiophenol with a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 702-710.	4.0	59
83	Ratiometric Fluorescent Probe for Lysosomal pH Measurement and Imaging in Living Cells Using Single-Wavelength Excitation. <i>Analytical Chemistry</i> , 2017, 89, 7038-7045.	3.2	144
84	Simultaneous Detection of Glutathione and Hydrogen Polysulfides from Different Emission Channels. <i>Analytical Chemistry</i> , 2017, 89, 12984-12991.	3.2	54
85	An ESIPT-based fluorescent probe for sensitive and selective detection of Cys/Hcy over GSH with a red emission and a large Stokes shift. <i>Tetrahedron Letters</i> , 2017, 58, 3209-3213.	0.7	24
86	A red emitting fluorescent probe for instantaneous sensing of thiophenol in both aqueous medium and living cells with a large Stokes shift. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4320-4326.	2.7	67
87	A red-emitting fluorescent probe for specific detection of cysteine over homocysteine and glutathione with a large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 27-33.	4.0	47
88	A red-emitting fluorescent probe for biothiols detection with a large Stokes shift. <i>Tetrahedron</i> , 2016, 72, 6909-6913.	1.0	22
89	Toward fluorine-free blue-emitting cationic iridium complexes: to generate emission from the cyclometalating ligands with enhanced triplet energy. <i>Dalton Transactions</i> , 2016, 45, 5604-5613.	1.6	25
90	Broadly Applicable Strategy for the Fluorescence Based Detection and Differentiation of Glutathione and Cysteine/Homocysteine: Demonstration in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2016, 88, 3638-3646.	3.2	168

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91	An aqueous fluorescent probe for Hg ²⁺ detection with high selectivity and sensitivity. <i>Luminescence</i> , 2015, 30, 1280-1284.	1.5	14
92	A real-time colorimetric and ratiometric fluorescent probe for rapid detection of SO ₂ derivatives in living cells based on a near-infrared benzopyrylium dye. <i>RSC Advances</i> , 2015, 5, 25409-25415.	1.7	49
93	A fluorescent probe emitting in near-infrared region for sensitive and selective detection of biothiols in both solution and living cells. <i>Tetrahedron Letters</i> , 2015, 56, 7176-7179.	0.7	12
94	A selective and sensitive phthalimide-based fluorescent probe for hydrogen sulfide with a large Stokes shift. <i>RSC Advances</i> , 2015, 5, 98154-98159.	1.7	24
95	A phthalimide-based fluorescent probe for thiol detection with a large Stokes shift. <i>RSC Advances</i> , 2015, 5, 18177-18182.	1.7	36
96	Blue-green emitting cationic iridium complexes with 1,3,4-oxadiazole cyclometallating ligands: synthesis, photophysical and electrochemical properties, theoretical investigation and electroluminescent devices. <i>Dalton Transactions</i> , 2015, 44, 15914-15923.	1.6	34
97	A ratiometric fluorescent probe for rapid, sensitive and selective detection of sulfur dioxide with large Stokes shifts by single wavelength excitation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8663-8668.	1.5	105
98	A phthalimide-based fluorescent probe for thiophenol detection in water samples and living cells with a large Stokes shift. <i>Tetrahedron</i> , 2015, 71, 8285-8289.	1.0	38
99	Selective, Highly Sensitive Fluorescent Probe for the Detection of Sulfur Dioxide Derivatives in Aqueous and Biological Environments. <i>Analytical Chemistry</i> , 2015, 87, 609-616.	3.2	174
100	Highly selective red-emitting H ₂ S fluorescent probe with a large Stokes shift. <i>Dyes and Pigments</i> , 2015, 113, 596-601.	2.0	20
101	An aqueous red emitting fluorescent fluoride sensing probe exhibiting a large Stokes shift and its application in cell imaging. <i>Chemical Communications</i> , 2014, 50, 320-322.	2.2	119
102	A colorimetric and ratiometric fluorescent probe for Cu ²⁺ with a large red shift and its imaging in living cells. <i>RSC Advances</i> , 2013, 3, 5591.	1.7	28
103	A red fluorescent probe for thiols based on 3-hydroxyflavone and its application in living cell imaging. <i>RSC Advances</i> , 2013, 3, 11543.	1.7	57
104	A highly sulfite-selective ratiometric fluorescent probe based on ESIPT. <i>RSC Advances</i> , 2012, 2, 10869.	1.7	133
105	7-Azabicyclo[2.2.1]heptane as a Unique and Effective Dialkylamino Auxochrome Moiety: Demonstration in a Fluorescent Rhodamine Dye. <i>Journal of the American Chemical Society</i> , 2008, 130, 17652-17653.	6.6	77
106	The Role of Photosensitizer Molecular Charge and Structure on the Efficacy of Photodynamic Therapy against Leishmania Parasites. <i>Chemistry and Biology</i> , 2006, 13, 839-847.	6.2	68