

Xiaohua Li

List of Publications by Year in descending order

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53
papers

5,608
citations

117453

34
h-index

161609

54
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55
all docs

55
docs citations

55
times ranked

5420
citing authors

#	ARTICLE	IF	CITATIONS
1	Design Strategies for Water-Soluble Small Molecular Chromogenic and Fluorogenic Probes. <i>Chemical Reviews</i> , 2014, 114, 590-659.	23.0	1,562
2	4,5-Dimethylthio-4- π -[2-(9-anthryloxy)ethylthio]tetrathiafulvalene, a Highly Selective and Sensitive Chemiluminescence Probe for Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2004, 126, 11543-11548.	6.6	233
3	HOCl can appear in the mitochondria of macrophages during bacterial infection as revealed by a sensitive mitochondrial-targeting fluorescent probe. <i>Chemical Science</i> , 2015, 6, 4884-4888.	3.7	217
4	Ferroptosis Accompanied by H_2O_2 Generation and Cytoplasmic Viscosity Increase Revealed via Dual-Functional Fluorescence Probe. <i>Journal of the American Chemical Society</i> , 2019, 141, 18301-18307.	6.6	214
5	Recognition Moieties of Small Molecular Fluorescent Probes for Bioimaging of Enzymes. <i>Accounts of Chemical Research</i> , 2019, 52, 1892-1904.	7.6	214
6	Nitroreductase Detection and Hypoxic Tumor Cell Imaging by a Designed Sensitive and Selective Fluorescent Probe, 7-[(5-Nitrofuranyl)methoxy]-3-phenoxazin-3-one. <i>Analytical Chemistry</i> , 2013, 85, 3926-3932.	3.2	194
7	Fluorescent carbon nanodots conjugated with folic acid for distinguishing folate-receptor-positive cancer cells from normal cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 12568.	6.7	192
8	Observation of the Generation of ONOO $^-$ in Mitochondria under Various Stimuli with a Sensitive Fluorescence Probe. <i>Analytical Chemistry</i> , 2017, 89, 5519-5525.	3.2	157
9	A simple fluorescent off-on probe for the discrimination of cysteine from glutathione. <i>Chemical Communications</i> , 2015, 51, 9388-9390.	2.2	140
10	Design, Synthesis, and Application of a Small Molecular NIR-II Fluorophore with Maximal Emission beyond 1200 nm. <i>Journal of the American Chemical Society</i> , 2020, 142, 15271-15275.	6.6	133
11	In vivo imaging of leucine aminopeptidase activity in drug-induced liver injury and liver cancer via a near-infrared fluorescent probe. <i>Chemical Science</i> , 2017, 8, 3479-3483.	3.7	127
12	Mitochondria-Immobilized Near-Infrared Ratiometric Fluorescent pH Probe To Evaluate Cellular Mitophagy. <i>Analytical Chemistry</i> , 2019, 91, 11409-11416.	3.2	122
13	Imaging Different Interactions of Mercury and Silver with Live Cells by a Designed Fluorescence Probe Rhodamine B Selenolactone. <i>Inorganic Chemistry</i> , 2010, 49, 1206-1210.	1.9	113
14	A graphene oxide-peptide fluorescence sensor tailor-made for simple and sensitive detection of matrix metalloproteinase 2. <i>Chemical Communications</i> , 2011, 47, 10680.	2.2	106
15	A dual-function fluorescent probe for monitoring the degrees of hypoxia in living cells via the imaging of nitroreductase and adenosine triphosphate. <i>Chemical Communications</i> , 2018, 54, 5454-5457.	2.2	106
16	A near-infrared fluorescent probe reveals decreased mitochondrial polarity during mitophagy. <i>Chemical Science</i> , 2020, 11, 1617-1622.	3.7	106
17	Xanthene-Based NIR-II Dyes for In Vivo Dynamic Imaging of Blood Circulation. <i>Journal of the American Chemical Society</i> , 2021, 143, 17136-17143.	6.6	103
18	Monitoring Ca^{2+} -glutamyl transpeptidase activity and evaluating its inhibitors by a water-soluble near-infrared fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2016, 81, 395-400.	5.3	98

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19	Sensitive and Selective Ratiometric Fluorescence Probes for Detection of Intracellular Endogenous Monoamine Oxidase A. <i>Analytical Chemistry</i> , 2016, 88, 1440-1446.	3.2	97
20	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase...A in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15319-15323.	7.2	96
21	Recent advances in fluorescent probes for lipid droplets. <i>Chemical Communications</i> , 2022, 58, 1495-1509.	2.2	89
22	Rationally Designed Fluorescence ^{OH} Probe with High Sensitivity and Selectivity for Monitoring the Generation of ^{OH} in Iron Autoxidation without Addition of H ₂ O ₂ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12830-12834.	7.2	81
23	Detection of Misdistribution of Tyrosinase from Melanosomes to Lysosomes and Its Upregulation under Psoralen/Ultraviolet A with a Melanosome-Targeting Tyrosinase Fluorescent Probe. <i>Analytical Chemistry</i> , 2016, 88, 4557-4564.	3.2	76
24	A highly sensitive and selective fluorescence off-on probe for the detection of intracellular endogenous tyrosinase activity. <i>Chemical Communications</i> , 2017, 53, 2443-2446.	2.2	72
25	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010, 46, 2560.	2.2	70
26	A spectroscopic off-on probe for simple and sensitive detection of carboxylesterase activity and its application to cell imaging. <i>Analyst</i> , 2012, 137, 716-721.	1.7	70
27	Clickable fluorophores for biological labeling with or without copper. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3486.	1.5	69
28	7-((5-Nitrothiophen-2-yl)methoxy)-3H-phenoxazin-3-one as a spectroscopic off-on probe for highly sensitive and selective detection of nitroreductase. <i>Chemical Communications</i> , 2013, 49, 5859.	2.2	69
29	Design, synthesis and application of a near-infrared fluorescent probe for in vivo imaging of aminopeptidase N. <i>Chemical Communications</i> , 2017, 53, 9438-9441.	2.2	69
30	An Upconversion Luminescence Nanoprobe for the Ultrasensitive Detection of Hyaluronidase. <i>Analytical Chemistry</i> , 2015, 87, 5816-5823.	3.2	62
31	Reactive oxygen species-triggered off-on fluorescence donor for imaging hydrogen sulfide delivery in living cells. <i>Chemical Science</i> , 2019, 10, 7690-7694.	3.7	59
32	A New Tetraphenylethylene-Derived Fluorescent Probe for Nitroreductase Detection and Hypoxic Tumor Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2918-2923.	1.7	44
33	Design, synthesis and application of a dual-functional fluorescent probe for reactive oxygen species and viscosity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119059.	2.0	43
34	Sensitive imaging of tumors using a nitroreductase-activated fluorescence probe in the NIR-II window. <i>Chemical Communications</i> , 2021, 57, 8174-8177.	2.2	41
35	Selective labeling of histidine by a designed fluorescein-based probe. <i>Talanta</i> , 2004, 62, 367-371.	2.9	34
36	In vivo tumor imaging by a β -glutamyl transpeptidase-activatable near-infrared fluorescent probe. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6771-6777.	1.9	33

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37	Rationally Designed Fluorescence OH Probe with High Sensitivity and Selectivity for Monitoring the Generation of OH in Iron Autoxidation without Addition of H_2O_2 . <i>Angewandte Chemie</i> , 2018, 130, 13012-13016.	1.6	31
38	Water-Soluble Near-Infrared Fluorescent Probes for Specific Detection of Monoamine Oxidase A in Living Biosystems. <i>Analytical Chemistry</i> , 2021, 93, 4285-4290.	3.2	30
39	Sensitive detection of ozone by a practical resorufin-based spectroscopic probe with extremely low background signal. <i>Scientific Reports</i> , 2013, 3, 2830.	1.6	28
40	A tumor-targeted near-infrared fluorescent probe for HNO and its application to the real-time monitoring of HNO release <i>in vivo</i> . <i>Chemical Communications</i> , 2021, 57, 5063-5066.	2.2	28
41	Golgi-Targeted Fluorescent Probe for Imaging NO in Alzheimer's Disease. <i>Analytical Chemistry</i> , 2022, 94, 10256-10262.	3.2	24
42	An endoplasmic reticulum-targeting fluorescent probe for imaging H_2O_2 in living cells. <i>Chemical Communications</i> , 2020, 56, 6344-6347.	2.2	20
43	Facile and Sensitive Method for Protein Kinase A Activity Assay Based on Fluorescent Off-On PolyU-peptide Assembly. <i>Analytical Chemistry</i> , 2017, 89, 10980-10984.	3.2	19
44	H_2O_2 -Responsive Organosilica-Doxorubicin Nanoparticles for Targeted Imaging and Killing of Cancer Cells Based on a Synthesized Silane-Borate Precursor. <i>ChemMedChem</i> , 2019, 14, 1079-1085.	1.6	16
45	New fluorescent probe with recognition moiety of biperidinyI reveals the rise of hepatocellular carboxylesterase activity during heat shock. <i>Biosensors and Bioelectronics</i> , 2022, 211, 114392.	5.3	14
46	Recent Advances of Fluorescence Probes for Imaging of Ferroptosis Process. <i>Chemosensors</i> , 2022, 10, 233.	1.8	14
47	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase A in Living Cells. <i>Angewandte Chemie</i> , 2017, 129, 15521-15525.	1.6	13
48	Click Chemistry Based Method for the Preparation of Maleimide-Type Thiol-Responsive Labels. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6922-6927.	1.2	12
49	Increase of tyrosinase activity at the wound site in zebrafish imaged by a new fluorescent probe. <i>Chemical Communications</i> , 2021, 57, 2764-2767.	2.2	12
50	Detection of glucose via enzyme-coupling reaction based on a DT-diaphorase fluorescence probe. <i>Talanta</i> , 2014, 120, 456-461.	2.9	11
51	Synthesis of a New Water-Soluble Polymeric Probe and its Fluorescent Properties for Ratiometric Measurement of Near-Neutral pH. <i>Analytical Letters</i> , 2004, 37, 2937-2948.	1.0	8
52	3,4-Dinitrobenzamide Functionalized CdTe/ZnTe Quantum Dots as a Nanoprobe for Imaging Glutathione S-Transferase in Living Cells. <i>Chinese Journal of Chemistry</i> , 2013, 31, 472-478.	2.6	8
53	An effective approach to develop targetable and responsive fluorescent probes for imaging of organelles based on cresyl violet scaffold. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113929.	5.3	6