

Xin Lv

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,333
citations

471371

17
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

1879
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mitochondria-Targetable Fluorescent Probe for Dual-Channel NO Imaging Assisted by Intracellular Cysteine and Glutathione. <i>Journal of the American Chemical Society</i> , 2014, 136, 12520-12523.	6.6	184
2	Rhodamine-Inspired Far-Red to Near-Infrared Dyes and Their Application as Fluorescence Probes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7634-7636.	7.2	169
3	Ratiometric fluorescence detection of cyanide based on a hybrid coumarin-hemicyanine dye: the large emission shift and the high selectivity. <i>Chemical Communications</i> , 2011, 47, 12843.	2.2	167
4	Selective Fluorescence Detection of Cysteine over Homocysteine and Glutathione Based on a Cysteine-Triggered Dual Michael Addition/Retro-aza-aldol Cascade Reaction. <i>Analytical Chemistry</i> , 2015, 87, 11475-11483.	3.2	128
5	A ratiometric fluorescent probe for cyanide based on FRET. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4954.	1.5	95
6	A Cu(II)-based chemosensing ensemble bearing rhodamine B fluorophore for fluorescence turn-on detection of cyanide. <i>Journal of Materials Chemistry</i> , 2012, 22, 1747-1750.	6.7	84
7	Fast-response and highly selective fluorescent probes for biological signaling molecule NO based on N-nitrosation of electron-rich aromatic secondary amines. <i>Biomaterials</i> , 2016, 78, 11-19.	5.7	71
8	Improving the quantum yields of fluorophores by inhibiting twisted intramolecular charge transfer using electron-withdrawing group-functionalized piperidine auxochromes. <i>Chemical Communications</i> , 2020, 56, 715-718.	2.2	67
9	Through-bond energy transfer cassettes based on coumarin-Bodipy/distyryl Bodipy dyads with efficient energy efficiencies and large pseudo-Stokes' shifts. <i>Journal of Materials Chemistry</i> , 2011, 21, 13168.	6.7	66
10	A specific fluorescent probe for NO based on a new NO-binding group. <i>Chemical Communications</i> , 2014, 50, 7499-7502.	2.2	48
11	A reaction-based and highly selective fluorescent probe for hydrogen sulfide. <i>Dyes and Pigments</i> , 2017, 139, 482-486.	2.0	39
12	A novel Bodipy-based fluorescent probe for Au ³⁺ ions with high selectivity and its application to bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 364-369.	4.0	33
13	Development of a benzothiazole-functionalized red-emission pyronin dye and its dihydro derivative for imaging lysosomal viscosity and tracking endogenous peroxynitrite. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6181-6186.	2.9	32
14	A naphthalimide based fast and selective fluorescent probe for hypochlorous acid/hypochlorite and its application for bioimaging. <i>New Journal of Chemistry</i> , 2018, 42, 15105-15110.	1.4	28
15	Improving the fluorescence brightness of distyryl Bodipys by inhibiting the twisted intramolecular charge transfer excited state. <i>Chemical Communications</i> , 2021, 57, 9744-9747.	2.2	27
16	The emission enhancement of the NIR distyryl Bodipy dyes by the indirect S ₀ → S ₂ excitation and their application towards a Hg ²⁺ probe. <i>Journal of Materials Chemistry</i> , 2012, 22, 11475.	6.7	24
17	A rhodol-hemicyanine based ratiometric fluorescent probe for real-time monitoring of glutathione dynamics in living cells. <i>Analyst</i> , 2019, 144, 7457-7462.	1.7	20
18	Ratiometric fluorescent detection of CN ⁻ based on CN ⁻ -promoted interruption of π-conjugation of a coumarin-bearing Michael receptor. <i>RSC Advances</i> , 2013, 3, 22150.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Fluorescent detection of biothiols based on a novel cascade reaction. <i>Analytical Methods</i> , 2013, 5, 3642.	1.3	7
20	Long wavelength emission fluorescent probe for highly selective detection of cysteine in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120247.	2.0	7
21	Design, synthesis, and bioimaging applications of a new class of carborhodamines. <i>Analyst</i> , The, 2021, 146, 64-68.	1.7	5