

Ji-Ting Hou

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,785
citations

136950

32
h-index

197818

49
g-index

50
all docs

50
docs citations

50
times ranked

3701
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent bioimaging of pH: from design to applications. <i>Chemical Society Reviews</i> , 2017, 46, 2076-2090.	38.1	432
2	Fluorescence imaging of pathophysiological microenvironments. <i>Chemical Society Reviews</i> , 2021, 50, 8887-8902.	38.1	247
3	BINOL-Based Fluorescent Sensor for Recognition of Cu(II) and Sulfide Anion in Water. <i>Journal of Organic Chemistry</i> , 2012, 77, 8350-8354.	3.2	226
4	A water-soluble near-infrared probe for colorimetric and ratiometric sensing of SO ₂ derivatives in living cells. <i>Chemical Communications</i> , 2014, 50, 183-185.	4.1	202
5	Mitochondria-targeted colorimetric and fluorescent probes for hypochlorite and their applications for in vivo imaging. <i>Chemical Communications</i> , 2014, 50, 8640-8643.	4.1	152
6	A ratiometric fluorescent probe for in situ quantification of basal mitochondrial hypochlorite in cancer cells. <i>Chemical Communications</i> , 2015, 51, 6781-6784.	4.1	151
7	Fluorescent Imaging of Reactive Oxygen and Nitrogen Species Associated with Pathophysiological Processes. <i>CheM</i> , 2020, 6, 832-866.	11.7	133
8	Iron-catalyzed direct amination of azoles using formamides or amines as nitrogen sources in air. <i>Chemical Communications</i> , 2011, 47, 3652.	4.1	131
9	A selective colorimetric and ratiometric fluorescent probe for hydrogen sulfide. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8342.	2.8	130
10	A ratiometric fluorescent probe for detecting hypochlorite in the endoplasmic reticulum. <i>Chemical Communications</i> , 2019, 55, 2533-2536.	4.1	126
11	Design and applications of fluorescent detectors for peroxyxynitrite. <i>Coordination Chemistry Reviews</i> , 2018, 374, 36-54.	18.8	122
12	A tumor-specific and mitochondria-targeted fluorescent probe for real-time sensing of hypochlorite in living cells. <i>Chemical Communications</i> , 2017, 53, 5539-5541.	4.1	115
13	Novel Tumor-Specific and Mitochondria-Targeted near-Infrared-Emission Fluorescent Probe for SO ₂ Derivatives in Living Cells. <i>ACS Sensors</i> , 2016, 1, 166-172.	7.8	104
14	Fluorescent supramolecular self-assembly gels and their application as sensors: A review. <i>Coordination Chemistry Reviews</i> , 2021, 434, 213792.	18.8	97
15	A Single Fluorescent Chemosensor for Simultaneous Discriminative Detection of Gaseous Phosgene and a Nerve Agent Mimic. <i>Analytical Chemistry</i> , 2019, 91, 12070-12076.	6.5	95
16	Sulfur-based fluorescent probes for HOCl: Mechanisms, design, and applications. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214232.	18.8	94
17	Cobalt(III)-catalyzed alkenylation of arenes and 6-arylpyridines with terminal alkynes: efficient access to functional dyes. <i>Chemical Communications</i> , 2016, 52, 2709-2712.	4.1	87
18	A highly selective water-soluble optical probe for endogenous peroxyxynitrite. <i>Chemical Communications</i> , 2014, 50, 9947.	4.1	82

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19	Molecular Fluorescent Probes for Imaging and Evaluation of Hypochlorite Fluctuations during Diagnosis and Therapy of Osteoarthritis in Cells and in a Mouse Model. <i>ACS Sensors</i> , 2020, 5, 1949-1958.	7.8	71
20	A coumarin-based chromogenic and ratiometric probe for hydrazine. <i>Analytical Methods</i> , 2013, 5, 2653.	2.7	66
21	Coumarin- DPA-Cu as a chemosensing ensemble towards histidine determination in urine and serum. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 717-720.	2.8	56
22	Fluorescent detectors for hydroxyl radical and their applications in bioimaging: A review. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213457.	18.8	56
23	Revealing HOCl burst from endoplasmic reticulum in cisplatin-treated cells via a ratiometric fluorescent probe. <i>Chinese Chemical Letters</i> , 2021, 32, 1795-1798.	9.0	53
24	A paper-based chemosensor for highly specific, ultrasensitive, and instantaneous visual detection of toxic phosgene. <i>Chemical Communications</i> , 2019, 55, 13753-13756.	4.1	53
25	A portable chromogenic and fluorogenic membrane sensor for ultrasensitive, specific and instantaneous visualizing of lethal phosgene. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24695-24702.	10.3	46
26	Two birds with one stone: Multifunctional and highly selective fluorescent probe for distinguishing Zn^{2+} from Cd^{2+} and selective recognition of sulfide anion. <i>Talanta</i> , 2013, 116, 434-440.	5.5	45
27	Rhodamine based pH-sensitive e^{-} -polymers as lysosome targeting probes and their imaging applications in vivo. <i>Polymer Chemistry</i> , 2014, 5, 5804-5812.	3.9	41
28	Rapid and Visual Detection of Benzoyl Peroxide in Food by a Colorimetric and Ratiometric Fluorescent Probe. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10913-10920.	5.2	39
29	A highly selective phenothiazine-based fluorescent chemosensor for phosgene. <i>Dyes and Pigments</i> , 2020, 173, 107933.	3.7	39
30	A ratiometric fluorescent probe for monitoring pH fluctuations during autophagy in living cells. <i>Chemical Communications</i> , 2021, 57, 1510-1513.	4.1	37
31	The first ratiometric probe for lysine in water. <i>Tetrahedron</i> , 2013, 69, 2118-2123.	1.9	34
32	A novel BINOL-based cyclophane via click chemistry: synthesis and its applications for sensing silver ions. <i>Tetrahedron Letters</i> , 2011, 52, 4927-4930.	1.4	32
33	Novel triazole-based fluorescent probes for Pd^{2+} in aqueous solutions: design, theoretical calculations and imaging. <i>Analyst</i> , 2013, 138, 6632.	3.5	32
34	A highly sensitive and selective turn-on fluorescent probe for hypochlorous acid monitoring. <i>RSC Advances</i> , 2015, 5, 18275-18278.	3.6	31
35	Detection of atherosclerosis-associated HOCl using a mitochondria-targeted fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130695.	7.8	31
36	A colorimetric and red emissive fluorescent probe for cysteine and its application in bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 92-100.	7.8	30

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37	A novel coumarin-based water-soluble fluorescent probe for endogenously generated SO ₂ in living cells. <i>Science China Chemistry</i> , 2017, 60, 793-798.	8.2	30
38	A novel benzothiazine-fused coumarin derivative for sensing hypochlorite with high performance. <i>Dyes and Pigments</i> , 2020, 182, 108675.	3.7	28
39	Observation of peroxynitrite overproduction in cells during 5-fluorouracil treatment via a ratiometric fluorescent probe. <i>Chemical Communications</i> , 2020, 56, 2759-2762.	4.1	27
40	Dianthracene-cyclen conjugate: the first equal-equivalent responding fluorescent chemosensor for Pb ²⁺ in aqueous solution. <i>Analyst</i> , 2013, 138, 2329.	3.5	26
41	Detection of hydrazine via a highly selective fluorescent probe: A case study on the reactivity of cyano-substituted C-C bond. <i>Dyes and Pigments</i> , 2020, 178, 108366.	3.7	26
42	Design of large π -conjugated β -cyanostilbene derivatives as colorimetric sensors for volatile acids and organic amine gases. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4058-4064.	5.5	25
43	Coumarin-TPA derivative: a reaction-based ratiometric fluorescent probe for Cu(I). <i>Tetrahedron Letters</i> , 2013, 54, 5771-5774.	1.4	22
44	Highly selective ratiometric estimation of fluoride ion based on a BINOL imidazolium cyclophane with dual-channel. <i>Tetrahedron Letters</i> , 2010, 51, 4395-4399.	1.4	21
45	Rhodamine-based lysosome-targeted fluorescence probes: high pH sensitivity and their imaging application in living cells. <i>RSC Advances</i> , 2014, 4, 33975-33980.	3.6	20
46	PLK1-Targeted Fluorescent Tumor Imaging with High Signal-to-Background Ratio. <i>ACS Sensors</i> , 2017, 2, 1512-1516.	7.8	20
47	A single design strategy for dual sensitive pH probe with a suitable range to map pH in living cells. <i>Scientific Reports</i> , 2015, 5, 15540.	3.3	16
48	Observation of HOCl generation associated with diabetic cataract using a highly sensitive fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121385.	3.9	4
49	A Long-wavelength Emissive Phenothiazine Derived Fluorescent Probe for Detecting HOCl Upregulation in 5-FU Stimulated Living Cells. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 609-615.	2.6	2
50	The design and study of highly selective fluorescent probes for peroxynitrite. <i>Scientia Sinica Chimica</i> , 2019, 49, 346-352.	0.4	0