

Mingguang Ren

List of Publications by Year in Descending Order

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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.

43
papers

1,373
citations

20
h-index

36
g-index

44
ext. papers

1,700
ext. citations

6.3
avg, IF

5.07
L-index

#	Paper	IF	Citations
43	Construction of chitosan-based fluorescent probe for real-time monitoring of viscosity changes in living cells with low cytotoxicity and high photostability. <i>Chemical Engineering Journal</i> , 2022 , 430, 132851	14.7	2
42	Construction of a novel mitochondria-targeted near-infrared (NIR) probe for detection of viscosity changes in cancer cells ferroptosis process. <i>Dyes and Pigments</i> , 2022 , 200, 110184	4.6	1
41	Construction of a unique two-photon fluorescent probe and the application for endogenous CO detection in live organisms.. <i>Talanta</i> , 2021 , 240, 123194	6.2	0
40	A fluorescent probe for specific detection of β -galactosidase in living cells and tissues based on ES IPT mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 251, 119446	4.4	2
39	Synthesis and characterization of an amphiphilic lignin-based cationic surfactant. <i>Industrial Crops and Products</i> , 2021 , 164, 113376	5.9	5
38	Development of a novel NIR viscosity fluorescent probe for visualizing the kidneys in diabetic mice. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 254, 119627	4.4	3
37	Construction of a dual-response fluorescent probe for copper (II) ions and hydrogen sulfide (HS) detection in cells and its application in exploring the increased copper-dependent cytotoxicity in present of HS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 249, 119299	4.4	10
36	A biotin-guided two-photon fluorescent probe for detection of hydrogen peroxide in cancer cells ferroptosis process. <i>Talanta</i> , 2021 , 234, 122684	6.2	9
35	Development of a red-emissive two-photon fluorescent probe for sensitive detection of beta-galactosidase in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2020 , 307, 127643	8.5	18
34	A biotin-guided fluorescent probe for dual-mode imaging of viscosity in cancerous cells and tumor tissues. <i>Chemical Communications</i> , 2020 , 56, 13351-13354	5.8	20
33	A targetable fluorescent probe for imaging of mitochondrial viscosity in living cells. <i>Analytical Methods</i> , 2019 , 11, 4561-4565	3.2	4
32	Development of a FRET-based ratiometric fluorescent probe to monitor the changes in palladium(II) in aqueous solution and living cells. <i>New Journal of Chemistry</i> , 2019 , 43, 552-555	3.6	11
31	Development of a two-photon fluorescent probe for the selective detection of β -galactosidase in living cells and tissues. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3431-3437	7.3	11
30	A ratiometric two-photon fluorescent probe for the rapid detection of HClO in living systems. <i>Analytical Methods</i> , 2019 , 11, 1580-1584	3.2	5
29	A novel highly selective fluorescent probe for imaging of cysteine both in living cells and zebrafish. <i>Analytical Methods</i> , 2019 , 11, 4323-4327	3.2	5
28	Single Fluorescent Probe Separately and Continuously Visualize HS and HClO in Lysosomes with Different Fluorescence Signals. <i>Analytical Chemistry</i> , 2019 , 91, 2932-2938	7.8	71
27	Mitochondria and lysosome-targetable fluorescent probes for HOCl: recent advances and perspectives. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1716-1733	7.3	79

26	Construction of a ratiometric two-photon fluorescent probe to monitor the changes of mitochondrial viscosity. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 452-459	8.5	47
25	A novel red light emissive two-photon fluorescent probe for hydrogen sulfide (H ₂ S) in nucleolus region and its application for H ₂ S detection in zebrafish and live mice. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 342-350	8.5	40
24	An ethyl cyanoacetate based turn-on fluorescent probe for hydrazine and its bio-imaging and environmental applications. <i>Analytical Methods</i> , 2018 , 10, 4016-4019	3.2	18
23	A targetable fluorescent probe for real-time monitoring of fluoride ions in mitochondria. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 204, 777-782	4.4	11
22	A photocaged fluorescent probe for imaging hypochlorous acid in lysosomes. <i>Chemical Communications</i> , 2018 , 54, 9238-9241	5.8	34
21	Preparation of a two-photon fluorescent probe with a large turn-on signal for imaging hypochlorous acid in living tissues. <i>Analytical Methods</i> , 2018 , 10, 2546-2550	3.2	8
20	Unique D-EA-ED type fluorescent probes for the two-photon imaging of intracellular viscosity. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 381-385	7.3	28
19	A targetable fluorescent probe for imaging exogenous and intracellularly formed nitroxyl in mitochondria in living cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1954-1961	7.3	29
18	Preparation of a Two-Photon Fluorescent Probe for Imaging HO in Lysosomes in Living Cells and Tissues. <i>Methods in Molecular Biology</i> , 2017 , 1594, 129-139	1.4	2
17	A fluorescent probe for ratiometric imaging of exogenous and intracellular formed hypochlorous acid in lysosomes. <i>New Journal of Chemistry</i> , 2017 , 41, 5259-5262	3.6	20
16	2-benzothiazoleacetonitrile based two-photon fluorescent probe for hydrazine and its bio-imaging and environmental applications. <i>Scientific Reports</i> , 2017 , 7, 1530	4.9	21
15	A mitochondrial-targeted two-photon fluorescent probe for imaging hydrogen sulfide in the living cells and mouse liver tissues. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 50-56	8.5	38
14	Single Fluorescent Probe for Dual-Imaging Viscosity and HO in Mitochondria with Different Fluorescence Signals in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 552-555	7.8	144
13	Development of a viscosity sensitive fluorescent probe for real-time monitoring of mitochondria viscosity. <i>New Journal of Chemistry</i> , 2017 , 41, 11507-11511	3.6	33
12	A fast-response two-photon fluorescent probe for the detection of Cys over GSH/Hcy with a large turn-on signal and its application in living tissues. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 134-138	7.3	35
11	A novel near-infrared fluorescent probe for H ₂ O ₂ in alkaline environment and the application for H ₂ O ₂ imaging in vitro and in vivo. <i>Biomaterials</i> , 2016 , 100, 162-71	15.6	53
10	An ESIPT based fluorescent probe for imaging hydrogen sulfide with a large turn-on fluorescence signal. <i>RSC Advances</i> , 2016 , 6, 62406-62410	3.7	12
9	A lysosome-targeted and ratiometric fluorescent probe for imaging exogenous and endogenous hypochlorous acid in living cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4739-4745	7.3	77

8	An ultra-fast illuminating fluorescent probe for monitoring formaldehyde in living cells, shiitake mushrooms, and indoors. <i>Chemical Communications</i> , 2016 , 52, 9582-5	5.8	71
7	A fast-responsive two-photon fluorescent probe for detecting palladium(0) with a large turn-on fluorescence signal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 317, 108-114	4.7	17
6	A fast responsive two-photon fluorescent probe for imaging H ₂ O ₂ in lysosomes with a large turn-on fluorescence signal. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 237-43	11.8	108
5	Single near-infrared fluorescent probe with high- and low-sensitivity sites for sensing different concentration ranges of biological thiols with distinct modes of fluorescence signals. <i>Chemical Science</i> , 2016 , 7, 1896-1903	9.4	115
4	A TICT-based fluorescent probe for rapid and specific detection of hydrogen sulfide and its bio-imaging applications. <i>Chemical Communications</i> , 2016 , 52, 6415-8	5.8	60
3	A fast-responsive turn on fluorescent probe for detecting endogenous hydroxyl radicals based on a hybrid carbazole-cyanine platform. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 60-66	8.5	13
2	A dual-emission fluorescence-enhanced probe for imaging copper(ii) ions in lysosomes. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6746-6752	7.3	54
1	A simple and effective "capping" approach to readily tune the fluorescence of near-infrared cyanines. <i>Chemical Science</i> , 2015 , 6, 4530-4536	9.4	29