

Mingguang Ren

List of Publications by Year in descending order

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44
papers

1,983
citations

257101

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Single Fluorescent Probe for Dual-Imaging Viscosity and H_2O_2 in Mitochondria with Different Fluorescence Signals in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 552-555.	3.2	204
2	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.	3.7	130
3	A fast responsive two-photon fluorescent probe for imaging H_2O_2 in lysosomes with a large turn-on fluorescence signal. <i>Biosensors and Bioelectronics</i> , 2016, 79, 237-243.	5.3	123
4	Mitochondria and lysosome-targetable fluorescent probes for HOCl: recent advances and perspectives. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1716-1733.	2.9	122
5	Single Fluorescent Probe Separately and Continuously Visualize H_2S and HClO in Lysosomes with Different Fluorescence Signals. <i>Analytical Chemistry</i> , 2019, 91, 2932-2938.	3.2	104
6	An ultra-fast illuminating fluorescent probe for monitoring formaldehyde in living cells, shiitake mushrooms, and indoors. <i>Chemical Communications</i> , 2016, 52, 9582-9585.	2.2	98
7	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.	2.9	86
8	A TICT-based fluorescent probe for rapid and specific detection of hydrogen sulfide and its bio-imaging applications. <i>Chemical Communications</i> , 2016, 52, 6415-6418.	2.2	76
9	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.	4.0	74
10	A novel near-infrared fluorescent probe for H_2O_2 in alkaline environment and the application for H_2O_2 imaging in vitro and in vivo. <i>Biomaterials</i> , 2016, 100, 162-171.	5.7	71
11	A dual-emission fluorescence-enhanced probe for imaging copper(II) ions in lysosomes. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6746-6752.	2.9	63
12	A novel red light emissive two-photon fluorescent probe for hydrogen sulfide (H_2S) in nucleolus region and its application for H_2S detection in zebrafish and live mice. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 342-350.	4.0	60
13	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.	2.2	59
14	Development of a viscosity sensitive fluorescent probe for real-time monitoring of mitochondria viscosity. <i>New Journal of Chemistry</i> , 2017, 41, 11507-11511.	1.4	54
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.	4.0	53
16	A photocaged fluorescent probe for imaging hypochlorous acid in lysosomes. <i>Chemical Communications</i> , 2018, 54, 9238-9241.	2.2	52
17	Unique D π A type fluorescent probes for the two-photon imaging of intracellular viscosity. <i>Journal of Materials Chemistry B</i> , 2018, 6, 381-385.	2.9	50
18	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.	2.9	41

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19	A simple and effective "capping" approach to readily tune the fluorescence of near-infrared cyanines. <i>Chemical Science</i> , 2015, 6, 4530-4536.	3.7	34
20	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.	2.9	34
21	A biotin-guided two-photon fluorescent probe for detection of hydrogen peroxide in cancer cells ferroptosis process. <i>Talanta</i> , 2021, 234, 122684.	2.9	32
22	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.	4.0	30
23	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.	1.4	29
24	2-benzothiazoleacetonitrile based two-photon fluorescent probe for hydrazine and its bio-imaging and environmental applications. <i>Scientific Reports</i> , 2017, 7, 1530.	1.6	27
25	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.	6.6	25
26	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.	1.3	24
27	Construction of a dual-response fluorescent probe for copper (II) ions and hydrogen sulfide (H ₂ S) detection in cells and its application in exploring the increased copper-dependent cytotoxicity in present of H ₂ S. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119299.	2.0	23
28	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.	4.0	20
29	An ESIPT based fluorescent probe for imaging hydrogen sulfide with a large turn-on fluorescence signal. <i>RSC Advances</i> , 2016, 6, 62406-62410.	1.7	19
30	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.	2.0	19
31	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.	2.0	19
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.	1.4	19
33	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.	2.9	16
34	Synthesis and characterization of an amphiphilic lignin-based cationic surfactant. <i>Industrial Crops and Products</i> , 2021, 164, 113376.	2.5	14
35	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.	2.0	14
36	A fluorescent probe for specific detection of β -galactosidase in living cells and tissues based on ESIPT mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119446.	2.0	10

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37	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.	2.0	10
38	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.	1.3	9
39	A novel highly selective fluorescent probe for imaging of cysteine both in living cells and zebrafish. <i>Analytical Methods</i> , 2019, 11, 4323-4327.	1.3	9
40	A targetable fluorescent probe for imaging of mitochondrial viscosity in living cells. <i>Analytical Methods</i> , 2019, 11, 4561-4565.	1.3	9
41	A ratiometric two-photon fluorescent probe for the rapid detection of HClO in living systems. <i>Analytical Methods</i> , 2019, 11, 1580-1584.	1.3	6
42	Recent Studies on the Preparation and Application of Ionic Amphiphilic Lignin: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8871-8891.	2.4	5
43	Construction of a unique two-photon fluorescent probe and the application for endogenous CO detection in live organisms. <i>Talanta</i> , 2022, 240, 123194.	2.9	4
44	Preparation of a Two-Photon Fluorescent Probe for Imaging H ₂ O ₂ in Lysosomes in Living Cells and Tissues. <i>Methods in Molecular Biology</i> , 2017, 1594, 129-139.	0.4	3