

Ruilong Zhang

List of Publications by Year in descending order

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36
papers

1,236
citations

567281

15
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361022

35
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all docs

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docs citations

36
times ranked

1735
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Discrimination and Versatile Profiling of Spontaneous Reactive Oxygen Species in Living Organisms with a Single Fluorescent Probe. <i>Journal of the American Chemical Society</i> , 2016, 138, 3769-3778.	13.7	253
2	Dual-Colored Carbon Dot Ratiometric Fluorescent Test Paper Based on a Specific Spectral Energy Transfer for Semiquantitative Assay of Copper Ions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18897-18903.	8.0	133
3	Membrane-Penetrating Carbon Quantum Dots for Imaging Nucleic Acid Structures in Live Organisms. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7087-7091.	13.8	131
4	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. <i>Analytical Chemistry</i> , 2020, 92, 3613-3619.	6.5	104
5	Coumarin-Based Fluorescent Probes for Super-resolution and Dynamic Tracking of Lipid Droplets. <i>Analytical Chemistry</i> , 2019, 91, 977-982.	6.5	102
6	A single dual-emissive nanofluorophore test paper for highly sensitive colorimetry-based quantification of blood glucose. <i>Biosensors and Bioelectronics</i> , 2016, 86, 530-535.	10.1	67
7	Cross-Platform Cancer Cell Identification Using Telomerase-Specific Spherical Nucleic Acids. <i>ACS Nano</i> , 2018, 12, 3629-3637.	14.6	66
8	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Three-Channel Imaging Correlation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2261-2265.	13.8	50
9	A Multi-Responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Super-resolution Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16154-16160.	13.8	48
10	Click-Functionalized SERS Nanoprobes with Improved Labeling Efficiency and Capability for Cancer Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38222-38229.	8.0	41
11	Multicolorful ratiometric-fluorescent test paper for determination of fluoride ions in environmental water. <i>RSC Advances</i> , 2017, 7, 53379-53384.	3.6	24
12	A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy. <i>Advanced Materials</i> , 2020, 32, e2003901.	21.0	20
13	Membrane-Penetrating Carbon Quantum Dots for Imaging Nucleic Acid Structures in Live Organisms. <i>Angewandte Chemie</i> , 2019, 131, 7161-7165.	2.0	19
14	Visualization of exhaled hydrogen sulphide on test paper with an ultrasensitive and time-gated luminescent probe. <i>Analyst, The</i> , 2016, 141, 4919-4925.	3.5	18
15	Revealing lipid droplets evolution at nanoscale under proteohormone stimulation by a BODIPY-hexylcarbazole derivative. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112871.	10.1	16
16	Real-time visualizing the regulation of reactive oxygen species on Zn ²⁺ release in cellular lysosome by a specific fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 419-425.	7.8	14
17	A pyridinyl-organoboron complex as dual functional chemosensor for mercury ions and gaseous acid/base. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 642-649.	7.8	13
18	Dynamic mapping of spontaneously produced H ₂ S in the entire cell space and in live animals using a rationally designed molecular switch. <i>Analyst, The</i> , 2018, 143, 1881-1889.	3.5	13

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19	Halides tuning the subcellular-targeting in two-photon emissive complexes via different uptake mechanisms. <i>Chemical Communications</i> , 2017, 53, 7941-7944.	4.1	10
20	One-step synthesized amphiphilic carbon dots for the super-resolution imaging of endoplasmic reticulum in live cells. <i>RSC Advances</i> , 2022, 12, 19424-19430.	3.6	10
21	Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. <i>Angewandte Chemie</i> , 2014, 126, 10273-10277.	2.0	9
22	Real-time tracking of mitochondrial dynamics by a dual-sensitive probe. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128418.	7.8	8
23	Live cell mitochondrial 3-dimensional dynamic ultrastructures under oxidative phosphorylation revealed by a Pyridine-BODIPY probe. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113036.	10.1	8
24	Recovery Mechanism of Endoplasmic Reticulum Revealed by Fluorescence Lifetime Imaging in Live Cells. <i>Analytical Chemistry</i> , 2022, 94, 5173-5180.	6.5	7
25	Fluorescence imaging of intracellular telomerase activity for tumor cell identification by oligonucleotide-functionalized gold nanoparticles. <i>Analyst</i> , 2022, 147, 2405-2411.	3.5	7
26	Revealing Sulfur Dioxide Regulation to Nucleophagy in Embryo Development by an Adaptive Coloration Probe. <i>Analytical Chemistry</i> , 2021, 93, 13667-13672.	6.5	6
27	Revealing the signaling regulation of hydrogen peroxide to cell pyroptosis using a ratiometric fluorescent probe in living cells. <i>Chemical Communications</i> , 2021, 57, 6628-6631.	4.1	6
28	Two polymorphs and cocrystal of styryl-pyridine derivatives with tuned emission induced by Co ²⁺ and Zn(phen) ₃ ²⁺ . <i>CrystEngComm</i> , 2014, 16, 2039.	2.6	5
29	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Three-Channel Imaging Correlation. <i>Angewandte Chemie</i> , 2019, 131, 2283-2287.	2.0	5
30	A Multi-responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Super-resolution Imaging. <i>Angewandte Chemie</i> , 2020, 132, 16288-16294.	2.0	5
31	Real-time imaging of viscosity in the mitochondrial matrix by a red-emissive molecular rotor. <i>Analytical Methods</i> , 2021, 13, 3181-3186.	2.7	5
32	Real-time quantification of nuclear RNA export using an intracellular relocation probe. <i>Chinese Chemical Letters</i> , 2022, 33, 3865-3868.	9.0	4
33	Real-time monitoring of lipid droplets growth via the fusion with fluorescent dye-labeled adiposomes. <i>Dyes and Pigments</i> , 2020, 182, 108653.	3.7	3
34	In situ imaging of intracellular human telomerase RNA with molecular beacon-functionalized gold nanoparticles. <i>Analytical Methods</i> , 2020, 12, 2385-2390.	2.7	3
35	Single-wavelength-excited fluorogenic nanoprobe for accurate realtime ratiometric analysis of broad pH fluctuations in mitophagy. <i>Nano Research</i> , 2022, 15, 6515-6521.	10.4	3
36	Live-Cell Imaging: A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy (<i>Adv. Mater.</i> 39/2020). <i>Advanced Materials</i> , 2020, 32, 2070296.	21.0	0