

Zhongping Zhang

List of Publications by Year in descending order

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71
papers

3,931
citations

172457

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118850

62
g-index

74
all docs

74
docs citations

74
times ranked

5577
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time quantification of nuclear RNA export using an intracellular relocation probe. Chinese Chemical Letters, 2022, 33, 3865-3868.	9.0	4
2	Dynamic tracking of p21 mRNA in living cells by sticky-flares for the visual evaluation of the tumor treatment effect. Nanoscale, 2022, 14, 1733-1741.	5.6	4
3	Recovery Mechanism of Endoplasmic Reticulum Revealed by Fluorescence Lifetime Imaging in Live Cells. Analytical Chemistry, 2022, 94, 5173-5180.	6.5	7
4	Fluorescence imaging of intracellular telomerase activity for tumor cell identification by oligonucleotide-functionalized gold nanoparticles. Analyst, The, 2022, 147, 2405-2411.	3.5	7
5	Single-wavelength-excited fluorogenic nanoprobe for accurate realtime ratiometric analysis of broad pH fluctuations in mitophagy. Nano Research, 2022, 15, 6515-6521.	10.4	3
6	One-step synthesized amphiphilic carbon dots for the super-resolution imaging of endoplasmic reticulum in live cells. RSC Advances, 2022, 12, 19424-19430.	3.6	10
7	Revealing lipid droplets evolution at nanoscale under proteohormone stimulation by a BODIPY-hexylcarbazole derivative. Biosensors and Bioelectronics, 2021, 175, 112871.	10.1	16
8	Design and Synthesis of Nanosensor Based on Unsaturated Double Bond Functional Carbon Dots for Phenylephrine Detection Using Bromine As a Bridge. Analytical Chemistry, 2021, 93, 5145-5150.	6.5	21
9	Tracking lipid droplet dynamics for the discrimination of cancer cells by a solvatochromic fluorescent probe. Sensors and Actuators B: Chemical, 2021, 333, 129541.	7.8	27
10	Live cell mitochondrial 3-dimensional dynamic ultrastructures under oxidative phosphorylation revealed by a Pyridine-BODIPY probe. Biosensors and Bioelectronics, 2021, 178, 113036.	10.1	8
11	Graphene oxide composite membrane accelerates organic pollutant degradation by <i>Shewanella</i> bacteria. Water Science and Technology, 2021, 84, 1037-1047.	2.5	2
12	Revealing Sulfur Dioxide Regulation to Nucleophagy in Embryo Development by an Adaptive Coloration Probe. Analytical Chemistry, 2021, 93, 13667-13672.	6.5	6
13	Terpyridine Zn(II) Complexes with Azide Units for Visualization of Histone Deacetylation in Living Cells under STED Nanoscopy. ACS Sensors, 2021, 6, 3978-3984.	7.8	3
14	Real-time imaging of viscosity in the mitochondrial matrix by a red-emissive molecular rotor. Analytical Methods, 2021, 13, 3181-3186.	2.7	5
15	Revealing the signaling regulation of hydrogen peroxide to cell pyroptosis using a ratiometric fluorescent probe in living cells. Chemical Communications, 2021, 57, 6628-6631.	4.1	6
16	Live-Cell Imaging: A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy (Adv. Mater. 39/2020). Advanced Materials, 2020, 32, 2070296.	21.0	0
17	Dual-Mode Optical Nanosensor Based on Gold Nanoparticles and Carbon Dots for Visible Detection of As(III) in Water. ACS Applied Nano Materials, 2020, 3, 8224-8231.	5.0	33
18	Real-time monitoring of lipid droplets growth via the fusion with fluorescent dye-labeled adiposomes. Dyes and Pigments, 2020, 182, 108653.	3.7	3

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19	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
20	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
21	<i>In situ</i> imaging of intracellular human telomerase RNA with molecular beacon-functionalized gold nanoparticles. <i>Analytical Methods</i> , 2020, 12, 2385-2390.	2.7	3
22	Functional terpyridyl iron complexes for in vivo photoacoustic imaging. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2753-2758.	6.0	6
23	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
24	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. <i>Analytical Chemistry</i> , 2020, 92, 3613-3619.	6.5	104
25	An azacyclo-localizing fluorescent probe for the specific labeling of lysosome and autolysosome. <i>Talanta</i> , 2020, 216, 120941.	5.5	6
26	Semisynthesis of Ubiquitin and SUMO-Rhodamine 110-Glycine through Aminolysis of Boc-Protected Thioester Counterparts. <i>Journal of Organic Chemistry</i> , 2019, 84, 14861-14867.	3.2	5
27	Efficient Semi-synthesis of Atypical Ubiquitin Chains and Ubiquitin-Based Probes Forged by Thioether Isopeptide Bonds. <i>Chemistry - A European Journal</i> , 2019, 25, 16668-16675.	3.3	5
28	A combination of super-resolution fluorescence and magnetic resonance imaging using a Mn(II) compound. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2914-2920.	6.0	10
29	Visualizing telomerase activity for tumour identification by hybridization-triggered ratiometric fluorescence. <i>Chemical Communications</i> , 2019, 55, 2035-2038.	4.1	6
30	An activity-based probe developed by a sequential dehydroalanine formation strategy targets HECT E3 ubiquitin ligases. <i>Chemical Communications</i> , 2019, 55, 7109-7112.	4.1	25
31	Conformationally Induced Off-on Two-Photon Fluorescent Bioprobes for Dynamically Tracking the Interactions among Multiple Organelles. <i>Analytical Chemistry</i> , 2019, 91, 6730-6737.	6.5	19
32	Membrane-penetrating Carbon Quantum Dots for Imaging Nucleic Acid Structures in Live Organisms. <i>Angewandte Chemie</i> , 2019, 131, 7161-7165.	2.0	19
33	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
34	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
35	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
36	Coumarin-Based Fluorescent Probes for Super-resolution and Dynamic Tracking of Lipid Droplets. <i>Analytical Chemistry</i> , 2019, 91, 977-982.	6.5	102

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37	A single nanofluorophore "turn on" probe for highly sensitive visual determination of environmental fluoride ions. <i>RSC Advances</i> , 2018, 8, 8688-8693.	3.6	6
38	Sticky-flares for <i>in situ</i> monitoring of human telomerase RNA in living cells. <i>Nanoscale</i> , 2018, 10, 9386-9392.	5.6	18
39	Fluorescent Nanomaterials for Color-Multiplexing Test Papers toward Qualitative/Quantitative Assays. <i>Small Methods</i> , 2018, 2, 1700379.	8.6	26
40	A ratiometric fluorescent paper sensor for consecutive color change-based visual determination of blood glucose in serum. <i>New Journal of Chemistry</i> , 2018, 42, 6867-6872.	2.8	23
41	Cross-Platform Cancer Cell Identification Using Telomerase-Specific Spherical Nucleic Acids. <i>ACS Nano</i> , 2018, 12, 3629-3637.	14.6	66
42	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</i> , The, 2018, 143, 1881-1889.	3.5	13
43	Microwave-assisted synthesis of cyclen functional carbon dots to construct a ratiometric fluorescent probe for tetracycline detection. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9636-9641.	5.5	107
44	NeuN-Specific Fluorescent Probe Revealing Neuronal Nuclei Protein and Nuclear Acids Association in Living Neurons under STED Nanoscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31959-31964.	8.0	16
45	Silver nanoparticles/activated carbon composite as a facile SERS substrate for highly sensitive detection of endogenous formaldehyde in human urine by catalytic reaction. <i>Talanta</i> , 2018, 188, 630-636.	5.5	13
46	A Series of Zn(II) Terpyridine-Based Nitrate Complexes as Two-Photon Fluorescent Probe for Identifying Apoptotic and Living Cells via Subcellular Immigration. <i>Inorganic Chemistry</i> , 2018, 57, 7676-7683.	4.0	47
47	A silica-based SERS chip for rapid and ultrasensitive detection of fluoride ions triggered by a cyclic boronate ester cleavage reaction. <i>Nanoscale</i> , 2017, 9, 1599-1606.	5.6	36
48	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
49	Colloidal quantum dot chains: self-assembly mechanism and ratiometric fluorescent sensing. <i>RSC Advances</i> , 2017, 7, 53977-53983.	3.6	11
50	Ehrlich Reaction Evoked Multiple Spectral Resonances and Gold Nanoparticle Hotspots for Raman Detection of Plant Hormone. <i>Analytical Chemistry</i> , 2017, 89, 8836-8843.	6.5	26
51	Color-Multiplexing-Based Fluorescent Test Paper: Dosage-Sensitive Visualization of Arsenic(III) with Discernable Scale as Low as 5 ppb. <i>Analytical Chemistry</i> , 2016, 88, 6105-6109.	6.5	145
52	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
53	Visualization of exhaled hydrogen sulphide on test paper with an ultrasensitive and time-gated luminescent probe. <i>Analyst</i> , The, 2016, 141, 4919-4925.	3.5	18
54	Ratiometric fluorescent paper sensor utilizing hybrid carbon dots "quantum dots" for the visual determination of copper ions. <i>Nanoscale</i> , 2016, 8, 5977-5984.	5.6	249

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55	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
56	White-Light Emission from an Integrated Upconversion Nanostructure: Toward Multicolor Displays Modulated by Laser Power. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11531-11535.	13.8	163
57	Strong Infrared Laser Ablation Produces White-Light-Emitting Materials via the Formation of Silicon and Carbon Dots in Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8266-8272.	3.1	26
58	Label-Free Surface-Enhanced Raman Scattering Imaging to Monitor the Metabolism of Antitumor Drug 6-Mercaptopurine in Living Cells. <i>Analytical Chemistry</i> , 2014, 86, 11503-11507.	6.5	58
59	•••Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. <i>Angewandte Chemie</i> , 2014, 126, 10273-10277.	2.0	9
60	Selective Fluorescence Turn-On and Ratiometric Detection of Organophosphate Using Dual-Emitting Mn-Doped ZnS Nanocrystal Probe. <i>Analytical Chemistry</i> , 2014, 86, 11727-11733.	6.5	115
61	In situ loading of Ag nanocontacts onto silica nanospheres: a SERS platform for ultrasensitive detection. <i>RSC Advances</i> , 2014, 4, 2776-2782.	3.6	34
62	Controlled depositing of silver nanoparticles on flexible film and its application in ultrasensitive detection. <i>RSC Advances</i> , 2014, 4, 42358-42363.	3.6	34
63	Fluorescence •••Turn On•••Detection of Mercuric Ion Based on Bis(dithiocarbamate)copper(II) Complex Functionalized Carbon Nanodots. <i>Analytical Chemistry</i> , 2014, 86, 1123-1130.	6.5	179
64	•••Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10109-10113.	13.8	96
65	Highly sensitive and selective fluorescence detection of copper (II) ion based on multi-ligand metal chelation. <i>Talanta</i> , 2014, 126, 185-190.	5.5	43
66	Highly Selective and Sensitive Detection of Mercuric Ion Based on a Visual Fluorescence Method. <i>Analytical Chemistry</i> , 2012, 84, 9792-9801.	6.5	108
67	Multilayered shell SERS nanotags with a highly uniform single-particle Raman readout for ultrasensitive immunoassays. <i>Chemical Communications</i> , 2012, 48, 9421.	4.1	51
68	Photoluminescent Graphene Oxide Ink to Print Sensors onto Microporous Membranes for Versatile Visualization Bioassays. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5602-5606.	13.8	181
69	Instant Visual Detection of Trinitrotoluene Particulates on Various Surfaces by Ratiometric Fluorescence of Dual-Emission Quantum Dots Hybrid. <i>Journal of the American Chemical Society</i> , 2011, 133, 8424-8427.	13.7	529
70	Highly efficient photoluminescent graphene oxide with tunable surface properties. <i>Chemical Communications</i> , 2010, 46, 7319.	4.1	326
71	Transesterification characteristics of poly(bisphenol A carbonate) with ethylene terephthalate-Caprolactone copolyester. <i>Journal of Polymer Science Part A</i> , 2001, 39, 232-238.	2.3	4