Zhongping Zhang

List of Publications by Year
in descending order

71	3,931	172457 29	118850 62
papers	citations	h-index	g-index

74	74	74	5577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Instant Visual Detection of Trinitrotoluene Particulates on Various Surfaces by Ratiometric Fluorescence of Dual-Emission Quantum Dots Hybrid. Journal of the American Chemical Society, 2011, 133, 8424-8427.	13.7	529
2	Highly efficient photoluminescent graphene oxide with tunable surface properties. Chemical Communications, 2010, 46, 7319.	4.1	326
3	Real-Time Discrimination and Versatile Profiling of Spontaneous Reactive Oxygen Species in Living Organisms with a Single Fluorescent Probe. Journal of the American Chemical Society, 2016, 138, 3769-3778.	13.7	253
4	Ratiometric fluorescent paper sensor utilizing hybrid carbon dotsâ€“quantum dots for the visual determination of copper ions. Nanoscale, 2016, 8, 5977-5984.	5.6	249
5	Photoluminescent Graphene Oxide Ink to Print Sensors onto Microporous Membranes for Versatile Visualization Bioassays. Angewandte Chemie - International Edition, 2012, 51, 5602-5606.	13.8	181
6	Fluorescence â€œTurn Onâ€•Detection of Mercuric Ion Based on Bis(dithiocarbamato)copper(II) Complex Functionalized Carbon Nanodots. Analytical Chemistry, 2014, 86, 1123-1130.	6.5	179
7	Whiteâ€Light Emission from an Integrated Upconversion Nanostructure: Toward Multicolor Displays Modulated by Laser Power. Angewandte Chemie - International Edition, 2015, 54, 11531-11535.	13.8	163
8	Color-Multiplexing-Based Fluorescent Test Paper: Dosage-Sensitive Visualization of Arsenic(III) with Discernable Scale as Low as 5 ppb. Analytical Chemistry, 2016, 88, 6105-6109.	6.5	145
9	Membraneâ€Penetrating Carbon Quantum Dots for Imaging Nucleic Acid Structures in Live Organisms. Angewandte Chemie - International Edition, 2019, 58, 7087-7091.	13.8	131
10	Selective Fluorescence Turn-On and Ratiometric Detection of Organophosphate Using Dual-Emitting Mn-Doped ZnS Nanocrystal Probe. Analytical Chemistry, 2014, 86, 11727-11733.	6.5	115
11	Highly Selective and Sensitive Detection of Mercuric Ion Based on a Visual Fluorescence Method. Analytical Chemistry, 2012, 84, 9792-9801.	6.5	108
12	Microwave-assisted synthesis of cyclen functional carbon dots to construct a ratiometric fluorescent probe for tetracycline detection. Journal of Materials Chemistry C, 2018, 6, 9636-9641.	5.5	107
13	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. Analytical Chemistry, 2020, 92, 3613-3619.	6.5	104
14	Coumarin-Based Fluorescent Probes for Super-resolution and Dynamic Tracking of Lipid Droplets. Analytical Chemistry, 2019, 91, 977-982.	6.5	102
15	Ï€â€Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. Angewandte Chemie - International Edition, 2014, 53, 10109-10113.	13.8	96
16	A single dual-emissive nanofluorophore test paper for highly sensitive colorimetry-based quantification of blood glucose. Biosensors and Bioelectronics, 2016, 86, 530-535.	10.1	67
17	Cross-Platform Cancer Cell Identification Using Telomerase-Specific Spherical Nucleic Acids. ACS Nano, 2018, 12, 3629-3637.	14.6	66
18	Label-Free Surface-Enhanced Raman Scattering Imaging to Monitor the Metabolism of Antitumor Drug 6-Mercaptopurine in Living Cells. Analytical Chemistry, 2014, 86, 11503-11507.	6.5	58

#	Article	IF	Citations
19	Multilayered shell SERS nanotags with a highly uniform single-particle Raman readout for ultrasensitive immunoassays. Chemical Communications, 2012, 48, 9421.	4.1	51
20	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Threeâ€Channel Imaging Correlation. Angewandte Chemie - International Edition, 2019, 58, 2261-2265.	13.8	50
21	A Multiâ€responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Superâ€resolution Imaging. Angewandte Chemie - International Edition, 2020, 59, 16154-16160.	13.8	48
22	A Series of Zn(II) Terpyridine-Based Nitrate Complexes as Two-Photon Fluorescent Probe for Identifying Apoptotic and Living Cells via Subcellular Immigration. Inorganic Chemistry, 2018, 57, 7676-7683.	4.0	47
23	Highly sensitive and selective fluorescence detection of copper (II) ion based on multi-ligand metal chelation. Talanta, 2014, 126, 185-190.	5.5	43
24	Click-Functionalized SERS Nanoprobes with Improved Labeling Efficiency and Capability for Cancer Cell Imaging. ACS Applied Materials & Interfaces, 2017, 9, 38222-38229.	8.0	41
25	A silica-based SERS chip for rapid and ultrasensitive detection of fluoride ions triggered by a cyclic boronate ester cleavage reaction. Nanoscale, 2017, 9, 1599-1606.	5.6	36
26	In situ loading of Ag nanocontacts onto silica nanospheres: a SERS platform for ultrasensitive detection. RSC Advances, 2014, 4, 2776-2782.	3.6	34
27	Controlled depositing of silver nanoparticles on flexible film and its application in ultrasensitive detection. RSC Advances, 2014, 4, 42358-42363.	3.6	34
28	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
29	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
30	Strong Infrared Laser Ablation Produces White-Light-Emitting Materials via the Formation of Silicon and Carbon Dots in Silica Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 8266-8272.	3.1	26
31	Fluorescent Nanomaterials for Coloâ€Multiplexing Test Papers toward Qualitative/Quantitative Assays. Small Methods, 2018, 2, 1700379.	8.6	26
32	Ehrlich Reaction Evoked Multiple Spectral Resonances and Gold Nanoparticle Hotspots for Raman Detection of Plant Hormone. Analytical Chemistry, 2017, 89, 8836-8843.	6.5	26
33	An activity-based probe developed by a sequential dehydroalanine formation strategy targets HECT E3 ubiquitin ligases. Chemical Communications, 2019, 55, 7109-7112.	4.1	25
34	A ratiometric fluorescent paper sensor for consecutive color change-based visual determination of blood glucose in serum. New Journal of Chemistry, 2018, 42, 6867-6872.	2.8	23
35	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
36	A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Superâ€Resolution Fluorescence and Electron Microscopy. Advanced Materials, 2020, 32, e2003901.	21.0	20

#	Article	IF	Citations
37	Conformationally Induced Offâ€“On Two-Photon Fluorescent Bioprobes for Dynamically Tracking the Interactions among Multiple Organelles. Analytical Chemistry, 2019, 91, 6730-6737.	6.5	19
38	Membraneâ€Penetrating Carbon Quantum Dots for Imaging Nucleic Acid Structures in Live Organisms. Angewandte Chemie, 2019, 131, 7161-7165.	2.0	19
39	Visualization of exhaled hydrogen sulphide on test paper with an ultrasensitive and time-gated luminescent probe. Analyst, The, 2016, 141, 4919-4925.	3.5	18
40	Sticky-flares for in situ monitoring of human telomerase RNA in living cells. Nanoscale, 2018, 10, 9386-9392.	5.6	18
41	NeuN-Specific Fluorescent Probe Revealing Neuronal Nuclei Protein and Nuclear Acids Association in Living Neurons under STED Nanoscopy. ACS Applied Materials & Interfaces, 2018, 10, 31959-31964.	8.0	16
42	Revealing lipid droplets evolution at nanoscale under proteohormone stimulation by a BODIPY-hexylcarbazole derivative. Biosensors and Bioelectronics, 2021, 175, 112871.	10.1	16
43	Dynamic mapping of spontaneously produced H₂S in the entire cell space and in live animals using a rationally designed molecular switch. Analyst, The, 2018, 143, 1881-1889.	3.5	13
44	Silver nanoparticles/activated carbon composite as a facile SERS substrate for highly sensitive detection of endogenous formaldehyde in human urine by catalytic reaction. Talanta, 2018, 188, 630-636.	5.5	13
45	Colloidal quantum dot chains: self-assembly mechanism and ratiometric fluorescent sensing. RSC Advances, 2017, 7, 53977-53983.	3.6	11
46	A combination of super-resolution fluorescence and magnetic resonance imaging using a Mn(<scp>ii</scp>) compound. Inorganic Chemistry Frontiers, 2019, 6, 2914-2920.	6.0	10
47	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
48	Ï€â€Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. Angewandte Chemie, 2014, 126, 10273-10277.	2.0	9
49	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
50	Recovery Mechanism of Endoplasmic Reticulum Revealed by Fluorescence Lifetime Imaging in Live Cells. Analytical Chemistry, 2022, 94, 5173-5180.	6.5	7
51	Fluorescence imaging of intracellular telomerase activity for tumor cell identification by oligonucleotide-functionalized gold nanoparticles. Analyst, The, 2022, 147, 2405-2411.	3.5	7
52	A single nanofluorophore â€œturn onâ€•probe for highly sensitive visual determination of environmental fluoride ions. RSC Advances, 2018, 8, 8688-8693.	3.6	6
53	Visualizing telomerase activity for tumour identification by hybridization-triggered ratiometric fluorescence. Chemical Communications, 2019, 55, 2035-2038.	4.1	6
54	Functional terpyridyl iron complexes for in vivo photoacoustic imaging. Inorganic Chemistry Frontiers, 2020, 7, 2753-2758.	6.0	6

#	Article	IF	Citations
55	An azacyclo-localizing fluorescent probe for the specific labeling of lysosome and autolysosome. Talanta, 2020, 216, 120941.	5.5	6
56	Revealing Sulfur Dioxide Regulation to Nucleophagy in Embryo Development by an Adaptive Coloration Probe. Analytical Chemistry, 2021, 93, 13667-13672.	6.5	6
57	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
58	Semisynthesis of Ubiquitin and SUMO-Rhodamine 110-Glycine through Aminolysis of Boc-Protected Thioester Counterparts. Journal of Organic Chemistry, 2019, 84, 14861-14867.	3.2	5
59	Efficient Semiâ€Synthesis of Atypical Ubiquitin Chains and Ubiquitinâ€Based Probes Forged by Thioether Isopeptide Bonds. Chemistry - A European Journal, 2019, 25, 16668-16675.	3.3	5
60	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Threeâ€Channel Imaging Correlation. Angewandte Chemie, 2019, 131, 2283-2287.	2.0	5
61	A Multiâ€responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Superâ€resolution Imaging. Angewandte Chemie, 2020, 132, 16288-16294.	2.0	5
62	Real-time imaging of viscosity in the mitochondrial matrix by a red-emissive molecular rotor. Analytical Methods, 2021, 13, 3181-3186.	2.7	5
63	Transesterification characteristics of poly(bisphenol A carbonate) with ethylene terephthalate-Caprolactone copolyester. Journal of Polymer Science Part A, 2001, 39, 232-238.	2.3	4
64	Real-time quantification of nuclear RNA export using an intracellular relocation probe. Chinese Chemical Letters, 2022, 33, 3865-3868.	9.0	4
65	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
66	Real-time monitoring of lipid droplets growth via the fusion with fluorescent dye-labeled adiposomes. Dyes and Pigments, 2020, 182, 108653.	3.7	3
67	In situ imaging of intracellular human telomerase RNA with molecular beacon-functionalized gold nanoparticles. Analytical Methods, 2020, 12, 2385-2390.	2.7	3
68	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
69	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
70	Graphene oxide composite membrane accelerates organic pollutant degradation by Shewanella bacteria. Water Science and Technology, 2021, 84, 1037-1047.	2.5	2
71	Liveâ€Cell Imaging: A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Superâ€Resolution Fluorescence and Electron Microscopy (Adv. Mater. 39/2020). Advanced Materials, 2020, 32, 2070296.	21.0	0