

# Zhi-Ling Song

## List of Publications by Year in descending order

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59  
papers

2,012  
citations

218677

26  
h-index

254184

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkyne-Functionalized Superstable Graphitic Silver Nanoparticles for Raman Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 13558-13561.	13.7	154
2	Near Infrared Graphene Quantum Dots-Based Two-Photon Nanoprobe for Direct Bioimaging of Endogenous Ascorbic Acid in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 4077-4084.	6.5	147
3	A highly sensitive biosensor for tumor maker alpha fetoprotein based on poly(ethylene glycol) doped conducting polymer PEDOT. <i>Biosensors and Bioelectronics</i> , 2016, 79, 736-741.	10.1	107
4	Electrodeposited Conducting Polyaniline Nanowire Arrays Aligned on Carbon Nanotubes Network for High Performance Supercapacitors and Sensors. <i>Electrochimica Acta</i> , 2016, 199, 234-241.	5.2	98
5	Fabrication of Graphene-isolated-Au-nanocrystal Nanostructures for Multimodal Cell Imaging and Photothermal-enhanced Chemotherapy. <i>Scientific Reports</i> , 2014, 4, 6093.	3.3	95
6	Electrochemical determination of paracetamol based on Au@graphene core-shell nanoparticles doped conducting polymer PEDOT nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 778-785.	7.8	78
7	Unimolecular Catalytic DNA Biosensor for Amplified Detection of Histidine via an Enzymatic Recycling Cleavage Strategy. <i>Analytical Chemistry</i> , 2011, 83, 7603-7607.	6.5	75
8	A label-free electrochemical biosensor for highly sensitive and selective detection of DNA via a dual-amplified strategy. <i>Biosensors and Bioelectronics</i> , 2014, 54, 442-447.	10.1	64
9	Gold nanoparticles and polyethylene glycols functionalized conducting polyaniline nanowires for ultrasensitive and low fouling immunosensing of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2016, 86, 143-149.	10.1	63
10	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatfrom for Biosensing. <i>Analytical Chemistry</i> , 2016, 88, 1639-1646.	6.5	59
11	Aptamer-based fluorescent sensors for the detection of cancer biomarkers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119038.	3.9	55
12	Ratiometric Semiconducting Polymer Nanoparticle for Reliable Photoacoustic Imaging of Pneumonia-Induced Vulnerable Atherosclerotic Plaque in Vivo. <i>Nano Letters</i> , 2021, 21, 4484-4493.	9.1	51
13	Peroxidase-like Au@Pt nanozyme as an integrated nanosensor for Ag <sup>+</sup> detection by LSPR spectroscopy. <i>Talanta</i> , 2021, 221, 121627.	5.5	48
14	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. <i>Nano Research</i> , 2016, 9, 1418-1425.	10.4	45
15	Plasma-assisted nitrogen doping of graphene-encapsulated Pt nanocrystals as efficient fuel cell catalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 472-477.	10.3	44
16	Fluorescent Nanosensor for Probing Histone Acetyltransferase Activity Based on Acetylation Protection and Magnetic Graphitic Nanocapsules. <i>Small</i> , 2015, 11, 877-885.	10.0	40
17	Low fouling electrochemical sensing in complex biological media by using the ionic liquid-doped conducting polymer PEDOT: application to voltammetric determination of dopamine. <i>Mikrochimica Acta</i> , 2019, 186, 220.	5.0	40
18	Magnetic Graphitic Nanocapsules for Programmed DNA Fishing and Detection. <i>Small</i> , 2013, 9, 951-957.	10.0	39

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19	A dual factor activated metal-organic framework hybrid nanoplatfrom for photoacoustic imaging and synergetic photo-chemotherapy. <i>Nanoscale</i> , 2019, 11, 20630-20637.	5.6	39
20	Bacterial community composition of internal circulation reactor at different heights for large-scale brewery wastewater treatment. <i>Bioresource Technology</i> , 2021, 331, 125027.	9.6	38
21	An antifouling electrochemical immunosensor for carcinoembryonic antigen based on hyaluronic acid doped conducting polymer PEDOT. <i>RSC Advances</i> , 2016, 6, 88411-88416.	3.6	36
22	One-pot enzyme- and indicator-free colorimetric sensing of glucose based on MnO <sub>2</sub> nano-oxidizer. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127304.	7.8	34
23	β-Cyclodextrin-cholic acid-hyaluronic acid polymer coated Fe <sub>3</sub> O <sub>4</sub> -graphene oxide nanohybrids as local chemo-photothermal synergistic agents for enhanced liver tumor therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111510.	5.0	34
24	Biodegradable nanoprobe based on MnO <sub>2</sub> nanoflowers and graphene quantum dots for near infrared fluorescence imaging of glutathione in living cells. <i>Mikrochimica Acta</i> , 2018, 185, 485.	5.0	33
25	A long wavelength emission two-photon fluorescent probe for highly selective detection of cysteine in living cells and an inflamed mouse model. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3970-3975.	5.8	29
26	A novel ratiometric fluorescence nanoprobe for sensitive determination of uric acid based on CD@ZIF-CuNC nanocomposites. <i>Mikrochimica Acta</i> , 2021, 188, 259.	5.0	28
27	Ultrasound assisted one-step synthesis of Au@Pt dendritic nanoparticles with enhanced NIR absorption for photothermal cancer therapy. <i>RSC Advances</i> , 2019, 9, 28541-28547.	3.6	25
28	Antifouling peptides combined with recognizing DNA probes for ultralow fouling electrochemical detection of cancer biomarkers in human bodily fluids. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114162.	10.1	25
29	Hollow graphitic nanocapsules as efficient electrode materials for sensitive Hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 2014, 52, 438-444.	10.1	24
30	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicoded anti-counterfeiting. <i>Nanoscale</i> , 2014, 6, 13097-13103.	5.6	23
31	Shell-Switchable SERS Blocking Strategy for Reliable Signal-On SERS Sensing in Living Cells: Detecting an External Target without Affecting the Internal Raman Molecule. <i>Analytical Chemistry</i> , 2020, 92, 11469-11475.	6.5	22
32	On-line study of flavonoids of <i>Trollius chinensis</i> Bunge binding to DNA with ethidium bromide using a novel combination of chromatographic, mass spectrometric and fluorescence techniques. <i>Journal of Chromatography A</i> , 2013, 1282, 102-112.	3.7	21
33	MnO <sub>2</sub> shell-isolated SERS nanoprobe for the quantitative detection of ALP activity in trace serum: Relying on the enzyme-triggered etching of MnO <sub>2</sub> shell to regulate the signal. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129605.	7.8	20
34	Alkyne functionalized graphene-isolated-Au-nanocrystal for the ratiometric SERS sensing of alkaline phosphatase with acetonitrile solvent as an internal standard. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129373.	7.8	19
35	Fabrication of superstable gold nanorod-carbon nanocapsule as a molecule loading material. <i>Science Bulletin</i> , 2015, 60, 1101-1107.	9.0	18
36	Highly selective and sensitive FRET based ratiometric two-photon fluorescent probe for endogenous β-galactosidase detection in living cells and tissues. <i>Microchemical Journal</i> , 2020, 157, 105046.	4.5	18

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37	A near-infrared fluorescent probe with large Stokes shift for accurate detection of $\beta$ -glucuronidase in living cells and mouse models. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128849.	7.8	18
38	Rapid screening and identification of compounds with DNA-binding activity from <i>Folium Citri Reticulatae</i> using on-line HPLC-DAD-MSn coupled with a post column fluorescence detection system. <i>Food Chemistry</i> , 2016, 192, 250-259.	8.2	17
39	Highly selective and antifouling electrochemical biosensors for sensitive MicroRNA assaying based on conducting polymer polyaniline functionalized with zwitterionic peptide. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 543-553.	3.7	17
40	Advances in metal graphitic nanocapsules for biomedicine. <i>Exploration</i> , 2022, 2, .	11.0	16
41	Target-induced formation of multiple DNAzymes in solid-state nanochannels: Toward innovative photoelectrochemical probing of telomerase activity. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111564.	10.1	15
42	Glycyrrhiza polysaccharide doped the conducting polymer PEDOT hybrid-modified biosensors for the ultrasensitive detection of microRNA. <i>Analytica Chimica Acta</i> , 2020, 1139, 155-163.	5.4	14
43	Synthesis of amphiphilic graphitic silver nanoparticles with inherent internal standards: an efficient strategy for reliable quantitative SERS analysis in common fluids. <i>Chemical Communications</i> , 2018, 54, 8618-8621.	4.1	13
44	Ultrasensitive DNA Detection Based on Inorganic-Organic Nanocomposite Cosensitization and G-Quadruplex/Hemin Catalysis for Signal Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42604-42611.	8.0	12
45	Tumor-Specific Multipath Nucleic Acid Damages Strategy by Symbiosed Nanozyme@Enzyme with Synergistic Self-Cyclic Catalysis. <i>Small</i> , 2021, 17, e2100766.	10.0	12
46	Multifunctional nano-biosensor based on metal-organic framework for enhanced fluorescence imaging of intracellular miRNA-122 and synergistic chemo-photothermal therapy of tumor cells. <i>Analytica Chimica Acta</i> , 2021, 1176, 338779.	5.4	11
47	Discovery of new 2-phenyl-1H-benzo[d]imidazole core-based potent $\beta$ -glucosidase inhibitors: Synthesis, kinetic study, molecular docking, and in vivo anti-hyperglycemic evaluation. <i>Bioorganic Chemistry</i> , 2021, 117, 105423.	4.1	11
48	A AuNP-capped cage fluorescent biosensor based on controlled-release and cyclic enzymatic amplification for ultrasensitive detection of ATP. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5945-5951.	5.8	10
49	Framework nucleic acid-based confined enzyme cascade for efficient synergistic cancer therapy in vivo. <i>Science China Chemistry</i> , 2021, 64, 660-665.	8.2	9
50	Covalent Amide-Bonded Nanoflares for High-Fidelity Intracellular Sensing and Targeted Therapy: A Superstable Nanosystem Free of Nonspecific Interferences. <i>Analytical Chemistry</i> , 2021, 93, 7879-7888.	6.5	8
51	Fabrication of GO/magnetic graphitic nanocapsule/TiO <sub>2</sub> assemblies as efficient and recyclable photocatalysts. <i>Science China Chemistry</i> , 2015, 58, 1131-1136.	8.2	7
52	Design, synthesis and biological evaluation of novel (E)-2-benzylidene-N-(3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)hydrazine-1-carboxamide derivatives as $\beta$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 52, 128413.	2.2	7
53	A DNAzyme-based normalized fluorescence strategy for direct quantification of endogenous zinc in living cells. <i>Chemical Communications</i> , 2022, 58, 577-580.	4.1	6
54	A Cell-Anchored and Self-Calibrated DNA NanoplatforM for in Situ Imaging and Quantification of Endogenous MicroRNA in Live Cells: Introducing Two Controls to Normalize the Sensing Signals. <i>CCS Chemistry</i> , 2023, 5, 176-190.	7.8	6

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55	A Transparent Vessel-on-a-Chip Device for Hemodynamic Analysis and Early Diagnosis of Intracranial Aneurysms by CFD and PC-MRI. ACS Sensors, 2020, 5, 4064-4071.	7.8	4
56	Selective detection of ozone in inflamed mice using a novel activatable chemiluminescent probe. Chemical Communications, 2022, 58, 4184-4187.	4.1	4
57	Long-wavelength emission carbon dots as self-ratiometric fluorescent nanoprobe for sensitive determination of Zn <sup>2+</sup> . Mikrochimica Acta, 2022, 189, 55.	5.0	3
58	Ni-N-Doped Carbon-Modified Reduced Graphene Oxide Catalysts for Electrochemical CO <sub>2</sub> Reduction Reaction. Catalysts, 2021, 11, 561.	3.5	2
59	A sensitive fluorescence biosensor based on metal ion-mediated DNAzyme activity for amplified detection of acetylcholinesterase. Analyst, The, 2022, , .	3.5	2