

# Zhijun Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

980  
citations

567281

15  
h-index

434195

31  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1744  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNAâ€“Carbon Dots Function as Fluorescent Vehicles for Drug Delivery. ACS Applied Materials & Interfaces, 2015, 7, 6889-6897.	8.0	181
2	A Superhydrophobic Surface Templated by Protein Selfâ€“Assembly and Emerging Application toward Protein Crystallization. Advanced Materials, 2016, 28, 579-587.	21.0	136
3	Mitochondrial fatty acid synthesis, fatty acids and mitochondrial physiology. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 39-48.	2.4	105
4	Dithiothreitol-capped fluorescent gold nanoclusters: An efficient probe for detection of copper(II) ions in aqueous solution. Biosensors and Bioelectronics, 2014, 59, 216-220.	10.1	96
5	Proteinâ€“Gold Hybrid Nanocubes for Cell Imaging and Drug Delivery. ACS Applied Materials & Interfaces, 2015, 7, 4713-4719.	8.0	50
6	A Universal and Ultrastable Mineralization Coating Bioinspired from Biofilms. Advanced Functional Materials, 2018, 28, 1802730.	14.9	43
7	Insights into mitochondrial fatty acid synthesis from the structure of heterotetrameric 3-ketoacyl-ACP reductase/3R-hydroxyacyl-CoA dehydrogenase. Nature Communications, 2014, 5, 4805.	12.8	42
8	17 $\beta$ -hydroxysteroid dehydrogenases as acyl thioester metabolizing enzymes. Molecular and Cellular Endocrinology, 2019, 489, 107-118.	3.2	30
9	Rapid synthesis of protein conjugated gold nanoclusters and their application in tea polyphenol sensing. Sensors and Actuators B: Chemical, 2016, 223, 178-185.	7.8	27
10	Myocardial Overexpression of Mecn, a Gene of Mitochondrial FAS II Leads to Cardiac Dysfunction in Mouse. PLoS ONE, 2009, 4, e5589.	2.5	23
11	Selective adhesion and controlled activity of yeast cells on honeycomb-patterned polymer films via a microemulsion approach. Chemical Communications, 2014, 50, 15882-15885.	4.1	19
12	Synthesis of fluorescent $\beta$ -chymotrypsin A-functionalized gold nanoclusters and their application to blot-based technology for Hg <sup>2+</sup> detection. RSC Advances, 2014, 4, 31536.	3.6	19
13	Controllable Drug Release System in Living Cells Triggered by Enzymeâ€“Substrate Recognition. ACS Applied Materials & Interfaces, 2015, 7, 26811-26818.	8.0	17
14	Expanding Toolbox of Imageable Protein-Gold Hybrid Materials. Chemistry of Materials, 2017, 29, 8440-8448.	6.7	17
15	Cell adhesion and proliferation in chiral pores triggered by polyoxometalates. Chemical Communications, 2019, 55, 7001-7004.	4.1	17
16	Hostâ€“Guest Interaction Driven Peptide Assembly into Photoresponsive Two-Dimensional Nanosheets with Switchable Antibacterial Activity. CCS Chemistry, 2021, 3, 1949-1962.	7.8	16
17	Templated in-situ synthesis of gold nanoclusters conjugated to drug target bacterial enoyl-ACP reductase, and their application to the detection of mercury ions using a test stripe. Mikrochimica Acta, 2014, 181, 1029-1034.	5.0	15
18	A near-infrared fluorescent probe quinaldine red lights up the $\beta$ -sheet structure of amyloid proteins in mouse brain. Biosensors and Bioelectronics, 2020, 153, 112048.	10.1	15

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19	Cross-Linked Proteins with Gold Nanoclusters: A Dual-Purpose pH-Responsive Material for Controllable Cell Imaging and Antibiotic Delivery. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 749-755.	2.3	14
20	Monitoring and modulation of insulin fibers by a protein isomerization targeting dye bromophenol blue. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 496-502.	7.8	13
21	Crocein Orange G mediated detection and modulation of amyloid fibrillation revealed by surface-enhanced Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111816.	10.1	13
22	Fluorescent Protein Nanovessels: A New Platform to Generate Bio-Abiotic Hybrid Materials for Bioimaging. <i>Advanced Functional Materials</i> , 2017, 27, 1702051.	14.9	12
23	Rapid synthesis of NADPH responsive CdSe quantum dots from selenium nanoparticles. <i>RSC Advances</i> , 2014, 4, 61133-61136.	3.6	9
24	Protein-Polymer Microcapsules for PCR Technology. <i>ChemBioChem</i> , 2018, 19, 1044-1048.	2.6	8
25	Nanotheranostic Application of Fluorescent Protein-Gold Nanocluster Hybrid Materials: A Mini-review. <i>Nanotheranostics</i> , 2021, 5, 461-471.	5.2	8
26	Asymmetric surface modification of yeast cells for living self-assembly. <i>Chemical Communications</i> , 2018, 54, 14112-14115.	4.1	6
27	Non-metallic copolymer material-based universal bio-abiotic hybrid platform for boosting the efficient electronic collection of microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10098-10106.	10.3	5
28	A drug release switch based on protein-inhibitor supramolecular interaction. <i>RSC Advances</i> , 2016, 6, 25480-25484.	3.6	4
29	Victoria Blue B acts as a protein isomerization targeting probe for monitoring lysozyme fibrillation. <i>Sensors and Actuators B: Chemical</i> , 2019, 293, 45-52.	7.8	3
30	DTT-Au NCs Interact with DNA to Form Raspberry-Like Particles. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800517.	2.3	3
31	Ethyl violet-bovine serum albumin fluorescent protein nanovessels target to lysosomes and mitochondria. <i>Nanomedicine</i> , 2019, 14, 19-31.	3.3	3
32	Transformable protein-gold hybrid materials serve as supramolecular vehicles for gene delivery. <i>RSC Advances</i> , 2017, 7, 51252-51256.	3.6	2
33	A redox cycle meets insulin fibrillation in vitro. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 89-96.	7.5	2
34	New role of oil red O in detection of double stranded DNA. <i>Talanta</i> , 2019, 204, 337-343.	5.5	2
35	Rational Design of a Near-infrared Fluorescent Material with High Solid-state Efficiency, Aggregation-induced Emission and Live Cell Imaging Property. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1461-1466.	2.6	2
36	Chemotransformation of bacterial cells without heat-shock. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 160-165.	2.6	1

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37	Protein-Based NanoVessels Facilitates the Victoria Blue B Mediated Inhibition of Amyloid Fibrillation. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000368.	3.9	1
38	Live cell fluorescent stain of bacterial curli and biofilm through supramolecular recognition between bromophenol blue and CsgA. <i>Chemical Communications</i> , 2020, 56, 5014-5017.	4.1	1
39	Fluorescent protein nanovessels packing DNA into a nucleosome-like gene carrier. <i>New Journal of Chemistry</i> , 2018, 42, 2776-2781.	2.8	0
40	Green Fluorescent Protein Nanovessel Serves as a Nucleolus Targeting Material and Molecule Carrier in Living Cells. <i>Advanced Biology</i> , 2019, 3, e1900047.	3.0	0