

# Xin Ting Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

4,418  
citations

186265

28  
h-index

289244

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

7370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glowing Graphene Quantum Dots and Carbon Dots: Properties, Syntheses, and Biological Applications. <i>Small</i> , 2015, 11, 1620-1636.	10.0	1,770
2	One-step and high yield simultaneous preparation of single- and multi-layer graphene quantum dots from CX-72 carbon black. <i>Journal of Materials Chemistry</i> , 2012, 22, 8764.	6.7	546
3	Graphene Quantum Dots as Universal Fluorophores and Their Use in Revealing Regulated Trafficking of Insulin Receptors in Adipocytes. <i>ACS Nano</i> , 2013, 7, 6278-6286.	14.6	229
4	Biointerface by Cell Growth on Layered Graphene—Artificial Peroxidase—Protein Nanostructure for In Situ Quantitative Molecular Detection. <i>Advanced Materials</i> , 2010, 22, 5164-5167.	21.0	184
5	RGD-Peptide Functionalized Graphene Biomimetic Live-Cell Sensor for Real-Time Detection of Nitric Oxide Molecules. <i>ACS Nano</i> , 2012, 6, 6944-6951.	14.6	172
6	Aptamer based fluorescence recovery assay for aflatoxin B1 using a quencher system composed of quantum dots and graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 571-578.	5.0	137
7	Single cell analysis at the nanoscale. <i>Chemical Society Reviews</i> , 2012, 41, 2061-2071.	38.1	108
8	Colorimetric biosensors for point-of-care virus detections. <i>Materials Science for Energy Technologies</i> , 2020, 3, 237-249.	1.8	80
9	Restoring Basal Planes of Graphene Oxides for Highly Efficient Loading and Delivery of $^{125}$ I-Lapachone. <i>Molecular Pharmaceutics</i> , 2012, 9, 615-621.	4.6	79
10	Optical Detection of Single Cell Lactate Release for Cancer Metabolic Analysis. <i>Analytical Chemistry</i> , 2010, 82, 5082-5087.	6.5	66
11	Sensitive competitive immunoassay of multiple mycotoxins with non-fouling antigen microarray. <i>Biosensors and Bioelectronics</i> , 2013, 50, 338-344.	10.1	66
12	A new class of fluorescent-dots: long luminescent lifetime bio-dots self-assembled from DNA at low temperatures. <i>Scientific Reports</i> , 2013, 3, 2957.	3.3	65
13	Highly efficient nuclear delivery of anti-cancer drugs using a bio-functionalized reduced graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 35-42.	9.4	62
14	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017, 13, 1700798.	10.0	60
15	Single living cell detection of telomerase over-expression for cancer detection by an optical fiber nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1548-1552.	10.1	56
16	In situ fabrication of silver nanoarrays in hyaluronan/PDDA layer-by-layer assembled structure. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 459-465.	9.4	50
17	Bifunctional electro-optical nanoprobe to real-time detect local biochemical processes in single cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4484-4490.	10.1	48
18	Hyaluronan-Assisted Photoreduction Synthesis of Silver Nanostructures: From Nanoparticle to Nanoplate. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10730-10734.	3.1	47

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19	Highly sensitive detection of hydrogen peroxide at a carbon nanotube fiber microelectrode coated with palladium nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 63-70.	5.0	46
20	Sweet graphene quantum dots for imaging carbohydrate receptors in live cells. <i>FlatChem</i> , 2017, 5, 25-32.	5.6	46
21	Effect of particle shape on phagocytosis of CdTe quantum dot@cystine composites. <i>MedChemComm</i> , 2010, 1, 84.	3.4	44
22	In situ molecular detection of ischemic cells by enhanced protein direct electron transfer on a unique horseradish peroxidase@Au nanoparticles@polyaniline nanowires biofilm. <i>Chemical Communications</i> , 2011, 47, 2652.	4.1	44
23	Multifunctional graphene quantum dots-conjugated titanate nanoflowers for fluorescence-trackable targeted drug delivery. <i>RSC Advances</i> , 2013, 3, 24853.	3.6	43
24	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. <i>Journal of Materials Chemistry</i> , 2011, 21, 8052.	6.7	42
25	On-chip investigation of cell-drug interactions. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1556-1574.	13.7	33
26	Rapid colorimetric detection of p53 protein function using DNA-gold nanoconjugates with applications for drug discovery and cancer diagnostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 214-221.	5.0	33
27	Bioinspired carbon dots (biodots): emerging fluorophores with tailored multiple functionalities for biomedical, agricultural and environmental applications. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 67-90.	3.4	33
28	Nucleotide-derived theranostic nanodots with intrinsic fluorescence and singlet oxygen generation for bioimaging and photodynamic therapy. <i>Nanoscale Advances</i> , 2019, 1, 2250-2257.	4.6	30
29	Uncovering the Design Principle of Amino Acid-Derived Photoluminescent Biodots with Tailor-Made Structure-Properties and Applications for Cellular Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19881-19888.	8.0	27
30	Biocompatible fluorescence-enhanced ZrO <sub>2</sub> @CdTe quantum dot nanocomposite for <i>in vitro</i> cell imaging. <i>Nanotechnology</i> , 2011, 22, 155604.	2.6	22
31	Recent development of nucleic acid nanosensors to detect sequence-specific binding interactions: From metal ions, small molecules to proteins and pathogens. <i>Sensors International</i> , 2020, 1, 100034.	8.4	22
32	Ultrasensitive dynamic light scattering based nanobiosensor for rapid anticancer drug screening. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 79-86.	7.8	18
33	Anticancer Efficacy and Subcellular Site of Action Investigated by Real-Time Monitoring of Cellular Responses to Localized Drug Delivery in Single Cells. <i>Small</i> , 2012, 8, 2670-2674.	10.0	17
34	Bioinspired Design and Engineering of Functional Nanostructured Materials for Biomedical Applications. <i>ACS Symposium Series</i> , 2017, , 123-152.	0.5	17
35	Bioinspired Antimicrobial Nanodots with Amphiphilic and Zwitterionic-like Characteristics for Combating Multidrug-Resistant Bacteria and Biofilm Removal. <i>ACS Applied Nano Materials</i> , 2018, 1, 2062-2068.	5.0	15
36	Noncovalent Fluorescent Biodot-Protein Conjugates with Well-Preserved Native Functions for Improved Sweat Glucose Detection. <i>Bioconjugate Chemistry</i> , 2020, 31, 754-763.	3.6	15

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37	Molecular Design of Bioinspired Nanostructures for Biomedical Applications: Synthesis, Self-Assembly and Functional Properties. Journal of Molecular and Engineering Materials, 2016, 04, 1640003.	1.8	13
38	Development of Bloodâ€Cellâ€Selective Fluorescent Biodots for Lysisâ€Free Leukocyte Imaging and Differential Counting in Whole Blood. Small, 2020, 16, 1903328.	10.0	12
39	Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. Materials Chemistry Frontiers, 2017, 1, 152-157.	5.9	11
40	Biomimicking synthesis of photoluminescent molecular lantern catalyzed by in-situ formation of nanogold catalysts. Materials Science and Engineering C, 2017, 77, 1111-1116.	7.3	10
41	Transcription Factors as Detection and Diagnostic Biomarkers in Cancer. , 2017, , 31-58.		0
42	Metallic nanobiosensors for biological analysis and medical diagnostics. , 2016, , 537-566.		0