

Xin Ting Zheng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

3,681
citations

25
h-index

44
g-index

44
ext. papers

4,043
ext. citations

9.4
avg, IF

5.75
L-index

#	Paper	IF	Citations
41	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. <i>Small</i> , 2015 , 11, 1620-36	11	1415
40	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		466
39	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. <i>ACS Nano</i> , 2013 , 7, 6278-86	16.7	204
38	Biointerface by cell growth on layered graphene-artificial peroxidase-protein nanostructure for in situ quantitative molecular detection. <i>Advanced Materials</i> , 2010 , 22, 5164-7	24	167
37	RGD-peptide functionalized graphene biomimetic live-cell sensor for real-time detection of nitric oxide molecules. <i>ACS Nano</i> , 2012 , 6, 6944-51	16.7	149
36	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	5.8	116
35	Single cell analysis at the nanoscale. <i>Chemical Society Reviews</i> , 2012 , 41, 2061-71	58.5	94
34	Restoring basal planes of graphene oxides for highly efficient loading and delivery of Rapachone. <i>Molecular Pharmaceutics</i> , 2012 , 9, 615-21	5.6	69
33	Sensitive competitive immunoassay of multiple mycotoxins with non-fouling antigen microarray. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 338-44	11.8	57
32	Optical detection of single cell lactate release for cancer metabolic analysis. <i>Analytical Chemistry</i> , 2010 , 82, 5082-7	7.8	56
31	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	9.3	53
30	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	4.9	52
29	Single living cell detection of telomerase over-expression for cancer detection by an optical fiber nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1548-52	11.8	52
28	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017 , 13, 1700798	11	51
27	In situ fabrication of silver nanoarrays in hyaluronan/PDDA layer-by-layer assembled structure. <i>Journal of Colloid and Interface Science</i> , 2008 , 327, 459-65	9.3	49
26	Colorimetric biosensors for point-of-care virus detections. <i>Materials Science for Energy Technologies</i> , 2020 , 3, 237-249	5.2	44
25	Highly sensitive detection of hydrogen peroxide at a carbon nanotube fiber microelectrode coated with palladium nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 63-70	5.8	43

24	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	5.8	43
23	Hyaluronan-Assisted Photoreduction Synthesis of Silver Nanostructures: From Nanoparticle to Nanoplate. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10730-10734	3.8	43
22	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8052		40
21	Effect of particle shape on phagocytosis of CdTe quantum dot-cystine composites. <i>MedChemComm</i> , 2010 , 1, 84	5	39
20	Sweet graphene quantum dots for imaging carbohydrate receptors in live cells. <i>FlatChem</i> , 2017 , 5, 25-32	5.1	38
19	Multifunctional graphene quantum dots-conjugated titanate nanoflowers for fluorescence-trackable targeted drug delivery. <i>RSC Advances</i> , 2013 , 3, 24853	3.7	37
18	Bifunctional electro-optical nanoprobe to real-time detect local biochemical processes in single cells. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4484-90	11.8	37
17	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	6	26
16	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	4.6	25
15	Nucleotide-derived theranostic nanodots with intrinsic fluorescence and singlet oxygen generation for bioimaging and photodynamic therapy. <i>Nanoscale Advances</i> , 2019 , 1, 2250-2257	5.1	24
14	On-chip investigation of cell-drug interactions. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1556-74	18.5	24
13	Uncovering the Design Principle of Amino Acid-Derived Photoluminescent Biodots with Tailor-Made Structure-Properties and Applications for Cellular Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19881-19888	9.5	24
12	Biocompatible fluorescence-enhanced ZrO ₂ /CdTe quantum dot nanocomposite for in vitro cell imaging. <i>Nanotechnology</i> , 2011 , 22, 155604	3.4	21
11	Ultrasensitive dynamic light scattering based nanobiosensor for rapid anticancer drug screening. <i>Sensors and Actuators B: Chemical</i> , 2019 , 279, 79-86	8.5	17
10	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	6.1	14
9	Bioinspired Design and Engineering of Functional Nanostructured Materials for Biomedical Applications. <i>ACS Symposium Series</i> , 2017 , 123-152	0.4	13
8	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, 2670-4	11	13
7	Noncovalent Fluorescent Biodot-Protein Conjugates with Well-Preserved Native Functions for Improved Sweat Glucose Detection. <i>Bioconjugate Chemistry</i> , 2020 , 31, 754-763	6.3	12

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| 6 | 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 | 5.6
12 |
| 5 | Molecular Design of Bioinspired Nanostructures for Biomedical Applications: Synthesis, Self-Assembly and Functional Properties. <i>Journal of Molecular and Engineering Materials</i> , 2016 , 04, 1640003 | 1.3
11 |
| 4 | Development of Blood-Cell-Selective Fluorescent Biodots for Lysis-Free Leukocyte Imaging and Differential Counting in Whole Blood. <i>Small</i> , 2020 , 16, e1903328 | 11
11 |
| 3 | Biomimicking synthesis of photoluminescent molecular lantern catalyzed by in-situ formation of nanogold catalysts. <i>Materials Science and Engineering C</i> , 2017 , 77, 1111-1116 | 8.3
10 |
| 2 | Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 152-157 | 7.8
10 |
| 1 | Transcription Factors as Detection and Diagnostic Biomarkers in Cancer 2017 , 31-58 | |