Xin Ting Zheng

List of Publications by Year in Descending Order

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	Noncovalent Fluorescent Biodot-Protein Conjugates with Well-Preserved Native Functions for Improved Sweat Glucose Detection. *Bioconjugate Chemistry*, **2020**, 31, 754-763	6.3	12
40	Colorimetric biosensors for point-of-care virus detections. *Materials Science for Energy Technologies* , **2020**, 3, 237-249	5.2	44
39	Bioinspired carbon dots (biodots): emerging fluorophores with tailored multiple functionalities for biomedical, agricultural and environmental applications. *Molecular Systems Design and Engineering*, **2020**, 5, 67-90	4.6	25
38	Recent development of nucleic acid nanosensors to detect sequence-specific binding interactions: From metal ions, small molecules to proteins and pathogens. *Sensors International*, **2020**, 1, 100034	6.1	14
37	Development of Blood-Cell-Selective Fluorescent Biodots for Lysis-Free Leukocyte Imaging and Differential Counting in Whole Blood. *Small*, **2020**, 16, e1903328	11	11
36	Nucleotide-derived theranostic nanodots with intrinsic fluorescence and singlet oxygen generation for bioimaging and photodynamic therapy. *Nanoscale Advances*, **2019**, 1, 2250-2257	5.1	24
35	Ultrasensitive dynamic light scattering based nanobiosensor for rapid anticancer drug screening. *Sensors and Actuators B: Chemical*, **2019**, 279, 79-86	8.5	17
34	Rapid colorimetric detection of p53 protein function using DNA-gold nanoconjugates with applications for drug discovery and cancer diagnostics. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 214-221	6	26
33	Bioinspired Antimicrobial Nanodots with Amphiphilic and Zwitterionic-like Characteristics for Combating Multidrug-Resistant Bacteria and Biofilm Removal. *ACS Applied Nano Materials*, **2018**, 1, 2062-2068	5.6	12
32	Uncovering the Design Principle of Amino Acid-Derived Photoluminescent Biodots with Tailor-Made Structure-Properties and Applications for Cellular Bioimaging. *ACS Applied Materials & Interfaces*, **2018**, 10, 19881-19888	9.5	24
31	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. *Small*, **2017**, 13, 1700798	11	51
30	Biomimicking synthesis of photoluminescent molecular lantern catalyzed by in-situ formation of nanogold catalysts. *Materials Science and Engineering C*, **2017**, 77, 1111-1116	8.3	10
29	Bioinspired Design and Engineering of Functional Nanostructured Materials for Biomedical Applications. *ACS Symposium Series*, **2017**, 123-152	0.4	13
28	Sweet graphene quantum dots for imaging carbohydrate receptors in live cells. *FlatChem*, **2017**, 5, 25-32	5.1	38
27	Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. *Materials Chemistry Frontiers*, **2017**, 1, 152-157	7.8	10
26	Transcription Factors as Detection and Diagnostic Biomarkers in Cancer **2017**, 31-58		
25	Highly efficient nuclear delivery of anti-cancer drugs using a bio-functionalized reduced graphene oxide. *Journal of Colloid and Interface Science*, **2016**, 467, 35-42	9.3	53

24	Molecular Design of Bioinspired Nanostructures for Biomedical Applications: Synthesis, Self-Assembly and Functional Properties. *Journal of Molecular and Engineering Materials*, **2016**, 04, 1640003	13	11
23	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. *Small*, **2015**, 11, 1620-36	11	1415
22	Aptamer based fluorescence recovery assay for aflatoxin B1 using a quencher system composed of quantum dots and graphene oxide. *Mikrochimica Acta*, **2015**, 182, 571-578	5.8	116
21	Highly sensitive detection of hydrogen peroxide at a carbon nanotube fiber microelectrode coated with palladium nanoparticles. *Mikrochimica Acta*, **2014**, 181, 63-70	5.8	43
20	On-chip investigation of cell-drug interactions. *Advanced Drug Delivery Reviews*, **2013**, 65, 1556-74	18.5	24
19	Sensitive competitive immunoassay of multiple mycotoxins with non-fouling antigen microarray. *Biosensors and Bioelectronics*, **2013**, 50, 338-44	11.8	57
18	Multifunctional graphene quantum dots-conjugated titanate nanoflowers for fluorescence-trackable targeted drug delivery. *RSC Advances*, **2013**, 3, 24853	3.7	37
17	A new class of fluorescent-dots: long luminescent lifetime bio-dots self-assembled from DNA at low temperatures. *Scientific Reports*, **2013**, 3, 2957	4.9	52
16	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. *ACS Nano*, **2013**, 7, 6278-86	16.7	204
15	RGD-peptide functionalized graphene biomimetic live-cell sensor for real-time detection of nitric oxide molecules. *ACS Nano*, **2012**, 6, 6944-51	16.7	149
14	Single cell analysis at the nanoscale. *Chemical Society Reviews*, **2012**, 41, 2061-71	58.5	94
13	One-step and high yield simultaneous preparation of single- and multi-layer graphene quantum dots from CX-72 carbon black. *Journal of Materials Chemistry*, **2012**, 22, 8764		466
12	Restoring basal planes of graphene oxides for highly efficient loading and delivery of β-lapachone. *Molecular Pharmaceutics*, **2012**, 9, 615-21	5.6	69
11	Anticancer efficacy and subcellular site of action investigated by real-time monitoring of cellular responses to localized drug delivery in single cells. *Small*, **2012**, 8, 2670-4	11	13
10	Biocompatible fluorescence-enhanced ZrO□CdTe quantum dot nanocomposite for in vitro cell imaging. *Nanotechnology*, **2011**, 22, 155604	3.4	21
9	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. *Journal of Materials Chemistry*, **2011**, 21, 8052		40
8	In situ molecular detection of ischemic cells by enhanced protein direct electron transfer on a unique horseradish peroxidase-Au nanoparticles-polyaniline nanowires biofilm. *Chemical Communications*, **2011**, 47, 2652-4	5.8	43
7	Bifunctional electro-optical nanoprobe to real-time detect local biochemical processes in single cells. *Biosensors and Bioelectronics*, **2011**, 26, 4484-90	11.8	37

6	Optical detection of single cell lactate release for cancer metabolic analysis. *Analytical Chemistry*, **2010**, 82, 5082-7	7.8	56
5	Effect of particle shape on phagocytosis of CdTe quantum dot□ystine composites. *MedChemComm* , **2010**, 1, 84	5	39
4	Biointerface by cell growth on layered graphene-artificial peroxidase-protein nanostructure for in situ quantitative molecular detection. *Advanced Materials*, **2010**, 22, 5164-7	24	167
3	Single living cell detection of telomerase over-expression for cancer detection by an optical fiber nanobiosensor. *Biosensors and Bioelectronics*, **2010**, 25, 1548-52	11.8	52
2	Hyaluronan-Assisted Photoreduction Synthesis of Silver Nanostructures: From Nanoparticle to Nanoplate. *Journal of Physical Chemistry C*, **2008**, 112, 10730-10734	3.8	43
1	In situ fabrication of silver nanoarrays in hyaluronan/PDDA layer-by-layer assembled structure. *Journal of Colloid and Interface Science*, **2008**, 327, 459-65	9.3	49