

Xu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,325
citations

331670

21
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

6596
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization modulation with optical lock-in detection reveals universal fluorescence anisotropy of subcellular structures in live cells. <i>Light: Science and Applications</i> , 2022, 11, 4.	16.6	14
2	MyoD is a 3D genome structure organizer for muscle cell identity. <i>Nature Communications</i> , 2022, 13, 205.	12.8	50
3	Stimuli-responsive size-changeable strategy for cancer theranostics. <i>Nano Today</i> , 2021, 38, 101208.	11.9	27
4	Iterative tomography with digital adaptive optics permits hour-long intravital observation of 3D subcellular dynamics at millisecond scale. <i>Cell</i> , 2021, 184, 3318-3332.e17.	28.9	115
5	Mirror-enhanced scanning light-field microscopy for long-term high-speed 3D imaging with isotropic resolution. <i>Light: Science and Applications</i> , 2021, 10, 227.	16.6	12
6	Tn5-FISH, a novel cytogenetic method to image chromatin interactions with sub-kilobase resolution. <i>Journal of Genetics and Genomics</i> , 2020, 47, 727-734.	3.9	8
7	Group-Sparsity-Based Super-Resolution Dipole Orientation Mapping. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2687-2694.	8.9	6
8	DeepLFM: Deep Learning-based 3D Reconstruction for Light Field Microscopy. , 2019, , .		12
9	Phase-space deconvolution for light field microscopy. <i>Optics Express</i> , 2019, 27, 18131.	3.4	44
10	Artifact-free 3D deconvolution for light field microscopy. , 2019, , .		1
11	Alterations of specific chromatin conformation affect ATRA-induced leukemia cell differentiation. <i>Cell Death and Disease</i> , 2018, 9, 200.	6.3	29
12	Developing novel methods to image and visualize 3D genomes. <i>Cell Biology and Toxicology</i> , 2018, 34, 367-380.	5.3	24
13	Polarization-based super-resolution imaging of surface-enhanced Raman scattering nanoparticles with orientational information. <i>Nanoscale</i> , 2018, 10, 19757-19765.	5.6	17
14	Spatiotemporally Controllable Peptide-Based Nanoassembly in Single Living Cells for a Biological Self-Portrait. <i>Advanced Materials</i> , 2017, 29, 1601128.	21.0	21
15	Cell Imaging: Spatiotemporally Controllable Peptide-Based Nanoassembly in Single Living Cells for a Biological Self-Portrait (<i>Adv. Mater.</i> 32/2017). <i>Advanced Materials</i> , 2017, 29, , .	21.0	3
16	Allelic reprogramming of 3D chromatin architecture during early mammalian development. <i>Nature</i> , 2017, 547, 232-235.	27.8	406
17	A tyrosinase-triggered oxidative reaction-based "Turn-on" fluorescent probe for imaging in living melanoma cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 189-194.	7.8	30
18	Contrast Enhancement Method of Transmission Electron Microscopy in Visualization of Polymeric Micelles by Fluoride Addition and Staining. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 534-543.	1.1	2

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19	Adaptive Content Management for UGC Video Delivery in Mobile Internet Era. <i>Mobile Information Systems</i> , 2016, 2016, 1-9.	0.6	1
20	Versatile Application of Fluorescent Quantum Dot Labels in Super-resolution Fluorescence Microscopy. <i>ACS Photonics</i> , 2016, 3, 1611-1618.	6.6	52
21	Synergistically Enhanced Therapeutic Effect of a Carrier-Free HCPT/DOX Nanodrug on Breast Cancer Cells through Improved Cellular Drug Accumulation. <i>Molecular Pharmaceutics</i> , 2015, 12, 2237-2244.	4.6	72
22	Phenylboronic acid-functionalized magnetic nanoparticles for one-step saccharides enrichment and mass spectrometry analysis. <i>Biophysics Reports</i> , 2015, 1, 61-70.	0.8	9
23	In Vivo tumor-targeted dual-modal fluorescence/CT imaging using a nanoprobe co-loaded with an aggregation-induced emission dye and gold nanoparticles. <i>Biomaterials</i> , 2015, 42, 103-111.	11.4	157
24	Rapid Identification of Legionella Pathogenicity by Surface-Enhanced Raman Spectroscopy. <i>Biomedical and Environmental Sciences</i> , 2015, 28, 437-44.	0.2	4
25	Salt-Responsive Self-Assembly of Luminescent Hydrogel with Intrinsic Gelation-Enhanced Emission. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 757-762.	8.0	71
26	Spatiotemporal Drug Release Visualized through a Drug Delivery System with Tunable Aggregation-Induced Emission. <i>Advanced Materials</i> , 2014, 26, 712-717.	21.0	188
27	In situ self-assembly of peptides in glucan particles for macrophage-targeted oral delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5882.	5.8	16
28	Neuropilin-1-Targeted Gold Nanoparticles Enhance Therapeutic Efficacy of Platinum(IV) Drug for Prostate Cancer Treatment. <i>ACS Nano</i> , 2014, 8, 4205-4220.	14.6	146
29	Innovative pharmaceutical development based on unique properties of nanoscale delivery formulation. <i>Nanoscale</i> , 2013, 5, 8307.	5.6	115
30	High Throughput Detection of Human Neutrophil Peptides from Serum, Saliva, and Tear by Anthrax Lethal Factor-Modified Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8267-8272.	8.0	4
31	Long genomic DNA amplicons adsorption onto unmodified gold nanoparticles for colorimetric detection of Bacillus anthracis. <i>Chemical Communications</i> , 2013, 49, 51-53.	4.1	52
32	Gold nanoparticles: Emerging paradigm for targeted drug delivery system. <i>Biotechnology Advances</i> , 2013, 31, 593-606.	11.7	308
33	An energy-efficient user scheduling scheme for multiuser MIMO systems with RF chain sleeping. , 2013, , .		13
34	Enhanced siRNA Delivery and Silencing Gold-Chitosan Nanosystem with Surface Charge-Reversal Polymer Assembly and Good Biocompatibility. <i>ACS Nano</i> , 2012, 6, 7340-7351.	14.6	166
35	Improving network throughput in 60GHz WLANs via multi-AP diversity. , 2012, , .		25
36	Size-Dependent Localization and Penetration of Ultrasmall Gold Nanoparticles in Cancer Cells, Multicellular Spheroids, and Tumors <i>in Vivo</i> . <i>ACS Nano</i> , 2012, 6, 4483-4493.	14.6	724

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37	Gold nanoparticles functionalized with therapeutic and targeted peptides for cancer treatment. <i>Biomaterials</i> , 2012, 33, 1180-1189.	11.4	280
38	Amphiphilic and biodegradable methoxy polyethylene glycol-block-(polycaprolactone-graft-poly(2-(dimethylamino)ethyl methacrylate)) as an effective gene carrier. <i>Biomaterials</i> , 2011, 32, 879-889.	11.4	97