

Xiang Zhang

List of Publications by Year in descending order

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35
papers

1,751
citations

471061

17
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

3325
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on application of PEDOTs and PEDOT:PSS in energy conversion and storage devices. Journal of Materials Science: Materials in Electronics, 2015, 26, 4438-4462.	1.1	464
2	Novel hollow mesoporous 1D TiO ₂ nanofibers as photovoltaic and photocatalytic materials. Nanoscale, 2012, 4, 1707.	2.8	194
3	Electrospun TiO ₂ @Graphene Composite Nanofibers as a Highly Durable Insertion Anode for Lithium Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 14780-14788.	1.5	181
4	Top-down fabrication of shape-controlled, monodisperse nanoparticles for biomedical applications. Advanced Drug Delivery Reviews, 2018, 132, 169-187.	6.6	135
5	Novel Green Biomimetic Approach for Synthesis of ZnO-Ag Nanocomposite; Antimicrobial Activity against Food-borne Pathogen, Biocompatibility and Solar Photocatalysis. Scientific Reports, 2019, 9, 8303.	1.6	129
6	Electrospun Fe ₂ O ₃ @carbon composite nanofibers as durable anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 10835.	5.2	91
7	Efficient ITO-free organic light-emitting devices with dual-functional PSS-rich PEDOT:PSS electrode by enhancing carrier balance. Journal of Materials Chemistry C, 2019, 7, 5426-5432.	2.7	62
8	Graphene's potential in materials science and engineering. RSC Advances, 2014, 4, 28987-29011.	1.7	60
9	Review of mechanisms and deformation behaviors in 4D printing. International Journal of Advanced Manufacturing Technology, 2019, 105, 4633-4649.	1.5	48
10	Diversifying Nanoparticle Assemblies in Supramolecule Nanocomposites Via Cylindrical Confinement. Nano Letters, 2017, 17, 6847-6854.	4.5	45
11	Hierarchical porous nickel oxide@carbon nanotubes as advanced pseudocapacitor materials for supercapacitors. Chemical Physics Letters, 2013, 561-562, 68-73.	1.2	43
12	Energy analysis and experimental verification of a solar freshwater self-produced ecological film floating on the sea. Applied Energy, 2018, 224, 510-526.	5.1	36
13	Ultrasonic spray coating polymer and small molecular organic film for organic light-emitting devices. Scientific Reports, 2016, 6, 37042.	1.6	30
14	Color-Tunable, Spectra-Stable Flexible White Top-Emitting Organic Light-Emitting Devices Based on Alternating Current Driven and Dual-Microcavity Technology. ACS Photonics, 2019, 6, 2350-2357.	3.2	23
15	Preparation and characterization of core-shell type Ag@SiO ₂ nanoparticles for photodynamic cancer therapy. Photodiagnosis and Photodynamic Therapy, 2019, 28, 324-329.	1.3	21
16	Dry-Coated Graphite onto Sandpaper for Triboelectric Nanogenerator as an Active Power Source for Portable Electronics. Nanomaterials, 2019, 9, 1585.	1.9	20
17	Efficient and angle-stable white top-emitting organic light emitting devices with patterned quantum dots down-conversion films. Organic Electronics, 2018, 56, 46-50.	1.4	18
18	In-plane Electrodes Organic Light-Emitting Devices for Smart Lighting Applications. Advanced Optical Materials, 2019, 7, 1800857.	3.6	17

#	ARTICLE	IF	CITATIONS
19	Photodynamic cancer therapy: role of Ag- and Au-based hybrid nano-photosensitizers. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4766-4773.	2.0	17
20	Biomaterial (Garlic and Chitosan)-Doped WO ₃ -TiO ₂ Hybrid Nanocomposites: Their Solar Light Photocatalytic and Antibacterial Activities. <i>ACS Omega</i> , 2020, 5, 31673-31683.	1.6	15
21	Color-stable WRGB emission from blue OLEDs with quantum dots-based patterned down-conversion layer. <i>Organic Electronics</i> , 2018, 62, 407-411.	1.4	13
22	An efficient and stable hybrid organic light-emitting device based on an inorganic metal oxide hole transport layer and an electron transport layer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1991-1998.	2.7	13
23	Silver-Bismuth Bilayer Anode for Perovskite Nanocrystal Light-Emitting Devices. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3853-3859.	2.1	12
24	Enhanced photocatalytic and photodynamic activity of chitosan and garlic loaded CdO-TiO ₂ hybrid bionanomaterials. <i>Scientific Reports</i> , 2021, 11, 20790.	1.6	12
25	Hybrid organic light-emitting device based on ultrasonic spray-coating molybdenum trioxide transport layer with low turn-on voltage, improved efficiency & stability. <i>Organic Electronics</i> , 2018, 52, 264-271.	1.4	10
26	Two-dimensional-growth small molecular hole-transporting layer by ultrasonic spray coating for organic light-emitting devices. <i>Organic Electronics</i> , 2017, 47, 181-188.	1.4	9
27	Efficiently alternating current driven tandem organic light-emitting devices with (Ag/4,7-diphenyl-1,10-phenanthroline) _n interconnecting layers. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	8
28	Cu Atoms-assisted rapid fabrication of graphene/Al composites with tailored strain-delocalization effect by spark plasma sintering. <i>Materials Research Letters</i> , 2022, 10, 567-574.	4.1	7
29	Wavelength-Tunable Multispectral Photodetector With Both Ultraviolet and Near-Infrared Narrowband Detection Capability. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 3258-3261.	1.6	5
30	Micro-Nanometer Particle Composition and Functional Design of Surface Nano-Structured Ammonium Polyphosphate and Its Application in Intumescent Flame-Retardant Polypropylene. <i>Nanomaterials</i> , 2022, 12, 606.	1.9	4
31	A Tunable Nanoimprint System to Create New Features. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800257.	1.7	3
32	A UV to NIR Si Wavelength Sensor With Simple Geometry and Good Resolution. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 2457-2461.	1.6	3
33	Medium Energy Carbon and Nitrogen Ion Beam Induced Modifications in Charge Transport, Structural and Optical Properties of Ni/Pd/n-GaN Schottky Barrier Diodes. <i>Materials</i> , 2020, 13, 1299.	1.3	1
34	Modulation of recombination zone position for white perovskite/organic emitter hybrid light-emitting devices. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	1
35	Binding interaction of 5-amino-2-mercaptobenzimidazole with Au-TiO ₂ : inhibition of switch-on fluorescence. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 842-847.	0.9	1