

Xiang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | 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 |
| 3 | Modulation of recombination zone position for white perovskite/organic emitter hybrid light-emitting devices. <i>Applied Physics Letters</i> , 2022, 120, . | 1.5 | 1 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Silver@Bismuth Bilayer Anode for Perovskite Nanocrystal Light-Emitting Devices. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3853-3859. | 2.1 | 12 |
| 12 | Color-Tunable, Spectra-Stable Flexible White Top-Emitting Organic Light-Emitting Devices Based on Alternating Current Driven and Dual-Microcavity Technology. <i>ACS Photonics</i> , 2019, 6, 2350-2357. | 3.2 | 23 |
| 13 | Preparation and characterization of core-shell type Ag@SiO ₂ nanoparticles for photodynamic cancer therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 324-329. | 1.3 | 21 |
| 14 | 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 |
| 15 | Novel Green Biomimetic Approach for Synthesis of ZnO-Ag Nanocomposite; Antimicrobial Activity against Food-borne Pathogen, Biocompatibility and Solar Photocatalysis. <i>Scientific Reports</i> , 2019, 9, 8303. | 1.6 | 129 |
| 16 | Review of mechanisms and deformation behaviors in 4D printing. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4633-4649. | 1.5 | 48 |
| 17 | Efficient ITO-free organic light-emitting devices with dual-functional PSS-rich PEDOT:PSS electrode by enhancing carrier balance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5426-5432. | 2.7 | 62 |
| 18 | Dry-Coated Graphite onto Sandpaper for Triboelectric Nanogenerator as an Active Power Source for Portable Electronics. <i>Nanomaterials</i> , 2019, 9, 1585. | 1.9 | 20 |

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|----|---|-----|-----------|
| 19 | In-plane Electrodes Organic Light-Emitting Devices for Smart Lighting Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1800857. | 3.6 | 17 |
| 20 | Efficient and angle-stable white top-emitting organic light emitting devices with patterned quantum dots down-conversion films. <i>Organic Electronics</i> , 2018, 56, 46-50. | 1.4 | 18 |
| 21 | 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 |
| 22 | Energy analysis and experimental verification of a solar freshwater self-produced ecological film floating on the sea. <i>Applied Energy</i> , 2018, 224, 510-526. | 5.1 | 36 |
| 23 | Top-down fabrication of shape-controlled, monodisperse nanoparticles for biomedical applications. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 169-187. | 6.6 | 135 |
| 24 | A Tunable Nanoimprint System to Create New Features. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800257. | 1.7 | 3 |
| 25 | 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 |
| 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 | Diversifying Nanoparticle Assemblies in Supramolecule Nanocomposites Via Cylindrical Confinement. <i>Nano Letters</i> , 2017, 17, 6847-6854. | 4.5 | 45 |
| 29 | Ultrasonic spray coating polymer and small molecular organic film for organic light-emitting devices. <i>Scientific Reports</i> , 2016, 6, 37042. | 1.6 | 30 |
| 30 | Review on application of PEDOTs and PEDOT:PSS in energy conversion and storage devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4438-4462. | 1.1 | 464 |
| 31 | Electrospun Fe ₂ O ₃ -carbon composite nanofibers as durable anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10835. | 5.2 | 91 |
| 32 | Graphene's potential in materials science and engineering. <i>RSC Advances</i> , 2014, 4, 28987-29011. | 1.7 | 60 |
| 33 | Hierarchical porous nickel oxide-carbon nanotubes as advanced pseudocapacitor materials for supercapacitors. <i>Chemical Physics Letters</i> , 2013, 561-562, 68-73. | 1.2 | 43 |
| 34 | Electrospun TiO ₂ -Graphene Composite Nanofibers as a Highly Durable Insertion Anode for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14780-14788. | 1.5 | 181 |
| 35 | Novel hollow mesoporous 1D TiO ₂ nanofibers as photovoltaic and photocatalytic materials. <i>Nanoscale</i> , 2012, 4, 1707. | 2.8 | 194 |