

# Shijie Zhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6016335/publications.pdf>

Version: 2024-02-01

14  
papers

379  
citations

1163117

8  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable plasmonic-metasurface sensor for noninvasive and universal molecular fingerprint detection on biointerfaces. <i>Science Advances</i> , 2021, 7, .	10.3	157
2	Smart textile lighting/display system with multifunctional fibre devices for large scale smart home and IoT applications. <i>Nature Communications</i> , 2022, 13, 814.	12.8	80
3	Waterproof Flexible InP@ZnSeS Quantum Dot Light-Emitting Diode. <i>Advanced Optical Materials</i> , 2020, 8, 1901362.	7.3	23
4	Controlling Performance of Organic-Inorganic Hybrid Perovskite Triboelectric Nanogenerators via Chemical Composition Modulation and Electric Field-Induced Ion Migration. <i>Advanced Energy Materials</i> , 2020, 10, 2002470.	19.5	19
5	Nano-to-Microporous Networks via Inkjet Printing of ZnO Nanoparticles/Graphene Hybrid for Ultraviolet Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 4454-4464.	5.0	19
6	Modelling charge transport and electro-optical characteristics of quantum dot light-emitting diodes. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	19
7	Modeling Electrical Percolation to optimize the Electromechanical Properties of CNT/Polymer Composites in Highly Stretchable Fiber Strain Sensors. <i>Scientific Reports</i> , 2019, 9, 20376.	3.3	18
8	Toward Controlled Electrical Stimulation for Wound Healing Based on a Precision Layered Skin Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 8901-8910.	4.6	16
9	Hybrid Passivation for Foldable Indium Gallium Zinc Oxide Thin-Film Transistors Mediated by Low-Temperature and Low-Damage Parylene/Atomic Layer Deposition-AlO <sub>3</sub> Coating. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900832.	1.8	8
10	Lattice marginal reconstruction-enabled high ambient-tolerance perovskite quantum dot phototransistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16001-16009.	5.5	6
11	Asymmetric Carbon Nanohorn Enabled Soft Capacitors with High Power Density and Ultra-Low Cutoff Frequency. <i>Advanced Materials Technologies</i> , 2020, 5, 2000372.	5.8	5
12	Inkjet-printed multi-color arrays based on eco-friendly quantum dot light emitting diodes with tailored hole transport layer. <i>Journal of the Society for Information Display</i> , 2022, 30, 748-757.	2.1	4
13	First-principle approach based bandgap engineering for cubic boron nitride doped with group IIA elements. <i>AIP Advances</i> , 2018, 8, .	1.3	3
14	Robust In-Zn-O Thin-Film Transistors with a Bilayer Heterostructure Design and a Low-Temperature Fabrication Process Using Vacuum and Solution Deposited Layers. <i>ACS Omega</i> , 2020, 5, 21593-21601.	3.5	2