

Zheng Zhi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,416
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2364
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fully Transparent and Flexible Ultraviolet-Visible Photodetector Based on Controlled Electrospun ZnO/CdO Heterojunction Nanofiber Arrays. <i>Advanced Functional Materials</i> , 2015, 25, 5885-5894.	14.9	181
2	Photophysics in Cs ₃ Cu ₂ X ₅ (X = Cl, Br, or I): Highly Luminescent Self-Trapped Excitons from Local Structure Symmetrization. <i>Chemistry of Materials</i> , 2020, 32, 3462-3468.	6.7	177
3	MXene-Silicon Van Der Waals Heterostructures for High-Speed Self-Driven Photodetectors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700165.	5.1	162
4	Decorating Perovskite Quantum Dots in TiO ₂ Nanotubes Array for Broadband Response Photodetector. <i>Advanced Functional Materials</i> , 2017, 27, 1703115.	14.9	142
5	Tunable Color Temperatures and Efficient White Emission from Cs ₂ Ag _{1-x} Na _x In _{1-y} Bi _{2y} Double Perovskite Nanocrystals. <i>Small</i> , 2019, 15, e1903496.	10.0	112
6	Self-Trapped Exciton to Dopant Energy Transfer in Rare Earth Doped Lead-Free Double Perovskite. <i>Advanced Optical Materials</i> , 2019, 7, 1901098.	7.3	94
7	Nanostructured Materials and Architectures for Advanced Infrared Photodetection. <i>Advanced Materials Technologies</i> , 2017, 2, 1700005.	5.8	87
8	Submillimeter and lead-free Cs ₃ Sb ₂ Br ₉ perovskite nanoflakes: inverse temperature crystallization growth and application for ultrasensitive photodetectors. <i>Nanoscale Horizons</i> , 2019, 4, 1372-1379.	8.0	85
9	Space-Confined Synthesis of 2D All-Inorganic CsPbI ₃ Perovskite Nanosheets for Multiphoton-Pumped Lasing. <i>Advanced Optical Materials</i> , 2018, 6, 1800879.	7.3	65
10	MoS ₂ -Based Photodetectors Powered by Asymmetric Contact Structure with Large Work Function Difference. <i>Nano-Micro Letters</i> , 2019, 11, 34.	27.0	49
11	Giant-Enhanced SnS ₂ Photodetectors with Broadband Response through Oxygen Plasma Treatment. <i>Advanced Functional Materials</i> , 2020, 30, 2001650.	14.9	48
12	Solution-processed solar-blind deep ultraviolet photodetectors based on strongly quantum confined ZnS quantum dots. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11266-11271.	5.5	46
13	Spatially Confined Growth of Fullerene to Super-Long Crystalline Fibers in Supramolecular Gels for High-Performance Photodetector. <i>Advanced Materials</i> , 2019, 31, e1808254.	21.0	42
14	Electrospun nanowire arrays for electronics and optoelectronics. <i>Science China Materials</i> , 2016, 59, 200-216.	6.3	32
15	Controlled Growth of an Mo ₂ C-Graphene Hybrid Film as an Electrode in Self-Powered Two-Sided Mo ₂ C-Graphene/Sb ₂ SO ₄ Se _{2.58} /TiO ₂ Photodetectors. <i>Sensors</i> , 2019, 19, 1099.	3.8	28
16	Morphology Processing by Encapsulating GeP ₅ Nanoparticles into Nanofibers toward Enhanced Thermo/Electrochemical Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32162-32170.	8.0	19
17	Single-Component MLCT-Active Photodetecting Material Based on a Two-Dimensional Coordination Polymer. <i>CCS Chemistry</i> , 2020, 2, 655-662.	7.8	19
18	Synthesis of highly luminescent Mn-doped CsPbCl ₃ nanoplatelets for light-emitting diodes. <i>CrystEngComm</i> , 2021, 23, 793-803.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Predictive value of single nucleotide polymorphisms in γ -XRCC1 for radiation-induced normal tissue toxicity. OncoTargets and Therapy, 2018, Volume 11, 3901-3918.	2.0	10