

# Yanyan Zhu

## List of Publications by Year in descending order

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22  
papers

428  
citations

933447

10  
h-index

839539

18  
g-index

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22  
docs citations

22  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic-Grade High-Quality Perovskite Single Crystals by a Steady Self-Supply Solution Growth for High-Performance X-ray Detectors. <i>Advanced Materials</i> , 2020, 32, e2001540.	21.0	71
2	Spatially confined synthesis of a flexible and hierarchically porous three-dimensional graphene/FeP hollow nanosphere composite anode for highly efficient and ultrastable potassium ion storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3369-3378.	10.3	58
3	Rational design of novel ultra-small amorphous Fe <sub>2</sub> O <sub>3</sub> nanodots/graphene heterostructures for all-solid-state asymmetric supercapacitors. <i>Nano Research</i> , 2021, 14, 953-960.	10.4	51
4	CoSe <sub>2</sub> nanodots confined in multidimensional porous nanoarchitecture towards efficient sodium ion storage. <i>Nano Energy</i> , 2022, 98, 107326.	16.0	46
5	Weak exchange effect and large refrigerant capacity in a bulk metallic glass Gd <sub>0.32</sub> Tb <sub>0.26</sub> Co <sub>0.20</sub> Al <sub>0.22</sub> . <i>Applied Physics Letters</i> , 2009, 94, 112507.	3.3	44
6	Exploring the Mechanism of Inhibition of Au Nanoparticles on the Aggregation of Amyloid- $\beta$ (16-22) Peptides at the Atom Level by All-Atom Molecular Dynamics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1815.	4.1	35
7	Improvement of CsPbBr <sub>3</sub> photodetector performance by tuning the morphology with PMMA additive. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153344.	5.5	31
8	Porous multishelled NiO hollow microspheres encapsulated within three-dimensional graphene as flexible free-standing electrodes for high-performance supercapacitors. <i>Nanoscale</i> , 2019, 11, 16071-16079.	5.6	26
9	Approaching the Theoretical Light Yield Limit in CsI (Tl) Scintillator Single Crystals by a Low-Temperature Solution Method. <i>Crystal Growth and Design</i> , 2020, 20, 3474-3481.	3.0	17
10	Electrospun Perovskite Nanofibers. <i>Nanoscale Research Letters</i> , 2017, 12, 114.	5.7	15
11	Carbon nanotube prevents the secondary structure formation of amyloid- $\beta$ trimers: an all-atom molecular dynamics study. <i>Molecular Simulation</i> , 2017, 43, 1189-1195.	2.0	10
12	In situ deposition of black $\beta$ -FAPbI <sub>3</sub> films by vacuum flash evaporation for solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8381-8389.	2.2	6
13	Temperature-driven phase transition and transition dipole moment of two-dimensional (BA) <sub>2</sub> CsPb <sub>2</sub> Br <sub>7</sub> perovskite. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16341-16348.	2.8	5
14	Dynamic Properties of Vortex States in Mesoscopic Superconducting Strips with a Temporally Periodic Pinning Landscape. <i>Journal of Low Temperature Physics</i> , 2020, 198, 90-99.	1.4	3
15	Molecular Dynamics Simulations Reveal the Modulated Mechanism of STING Conformation. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2021, 13, 751-765.	3.6	3
16	Boosted Structural Stability and Interfacial Charge Transfer in C <sub>m</sub> /O <sub>n</sub> /Cl <sub>k</sub> /[[FA,MA]Pb <sub>1+y</sub> I <sub>3-3y</sub> ] Heterostructures. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18866-18876.	4.5	3
17	Three-dimensional graphene encapsulated hollow CoSe <sub>2</sub> -SnSe <sub>2</sub> nanoboxes for high performance asymmetric supercapacitors. <i>Nanotechnology</i> , 2022, 33, 165602.	2.6	3
18	Magnetic-Field-Induced Vortices and Antivortices in a Mesoscopic Ferromagnet/Insulator/Superconductor Strip. <i>Journal of Low Temperature Physics</i> , 2019, 197, 402-411.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Multiferroic Double-layer $\text{BiFeO}_3$ - $\text{CoFe}_2\text{O}_4$ Composite Films Prepared by Pulsed-Laser Deposition. Applications of Ferroelectrics, IEEE International Symposium on, 2007, . . .	0.0	0
20	Radio Frequency Magnetron Sputtering of $\text{GdBa}_2\text{Cu}_3\text{O}_7$ / $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Quasi-bilayer Films on $\text{SrTiO}_3$ (STO) Single-crystal Substrates. Journal of Visualized Experiments, 2019, . . .	0.3	0
21	Interactive Mechanism of Potential Inhibitors with Glycosyl for SARS-CoV-2 by Molecular Dynamics Simulation. Processes, 2021, 9, 1749.	2.8	0
22	Finite Element Treatment of Vortex States in 3D Mesoscopic Cylindrical Superconductors in a Tilted Magnetic Field. Acta Physica Polonica A, 2018, 133, 152-156.	0.5	0