

Yiqian Wang

List of Publications by Year in descending order

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33
papers

965
citations

623574

14
h-index

434063

31
g-index

33
all docs

33
docs citations

33
times ranked

1574
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and stable tandem luminescent solar concentrators based on carbon dots and perovskite quantum dots. <i>Nano Energy</i> , 2018, 50, 756-765.	8.2	170
2	Low-temperature, Nontoxic Water-Induced Metal Oxide Thin Films and Their Application in Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2015, 25, 2564-2572.	7.8	161
3	Spray-Drying-Induced Assembly of Skeleton-Structured SnO ₂ /Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2515-2525.	4.0	85
4	Mesoporous carbon spheres with controlled porosity for high-performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 285, 469-477.	4.0	69
5	Stable tandem luminescent solar concentrators based on CdSe/CdS quantum dots and carbon dots. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10059-10066.	2.7	65
6	Efficient solar-driven hydrogen generation using colloidal heterostructured quantum dots. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14079-14088.	5.2	46
7	One-step solvothermal preparation of Fe ₃ O ₄ /graphene composites at elevated temperature and their application as anode materials for lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 59981-59989.	1.7	38
8	Transition metal oxide nanostructures: premeditated fabrication and applications in electronic and photonic devices. <i>Journal of Materials Science</i> , 2018, 53, 4334-4359.	1.7	38
9	Double-shell SnO ₂ @Fe ₂ O ₃ hollow spheres as a high-performance anode material for lithium-ion batteries. <i>CrystEngComm</i> , 2020, 22, 1197-1208.	1.3	38
10	Sustainable Preparation of Copper Particles Decorated Carbon Microspheres and Studies on Their Bactericidal Activity and Catalytic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2414-2422.	3.2	35
11	Integration of photoelectrochemical devices and luminescent solar concentrators based on giant quantum dots for highly stable hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18529-18537.	5.2	25
12	Monodisperse PdBi Nanoparticles with a Face-Centered Cubic Structure for Highly Efficient Ethanol Oxidation. <i>ACS Applied Energy Materials</i> , 2022, 5, 1282-1290.	2.5	25
13	Spraying Coagulation-Assisted Hydrothermal Synthesis of MoS ₂ /Carbon/Graphene Composite Microspheres for Lithium-Ion Battery Applications. <i>ChemElectroChem</i> , 2017, 4, 2027-2036.	1.7	24
14	Mechanistical investigation on the self-enhanced photocatalytic activity of CuO/Cu ₂ O hybrid nanostructures by density functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27967-27975.	1.3	21
15	Novel \pm -FeOOH corner-truncated tetragonal prisms: crystal structure, growth mechanism and lithium storage properties. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 657-669.	1.5	15
16	Self-Assembly of CsPbBr ₃ Nanocubes into 2D Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44777-44785.	4.0	15
17	Atomic Identification of Interfaces in Individual Core@shell Quantum Dots. <i>Advanced Science</i> , 2021, 8, e2102784.	5.6	14
18	Diameter Dependence of Planar Defects in InP Nanowires. <i>Scientific Reports</i> , 2016, 6, 32910.	1.6	13

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19	One-Pot Synthesis of Fe_2O_3 Nanospindles as High-Performance Lithium-Ion Battery Anodes. <i>Nano</i> , 2018, 13, 1850018.	0.5	11
20	Structural evolution of palladium nanoparticles and their electrocatalytic activity toward ethanol oxidation in alkaline solution. <i>RSC Advances</i> , 2016, 6, 91991-91998.	1.7	10
21	Formation mechanisms for the dominant kinks with different angles in InP nanowires. <i>Nanoscale Research Letters</i> , 2014, 9, 211.	3.1	9
22	Tuning the magnetic properties of $\text{La}_{0.67}\text{Sr}_{0.33}\text{Fe}_2\text{O}_7$ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13829-13838.	1.1	9
23	Electron beam-induced morphology transformations of Fe_2TiO_5 nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13829-13838.	2.7	9
24	SnO_2 nanocrystal- Fe_2O_3 nanorod hybrid structures: an anode material with enhanced lithium storage capacity. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 379-387.	1.2	5
25	Probing the Electronic Structures of $\text{BaTiO}_3/\text{SrTiO}_3$ Multilayered Film with Spatially Resolved Electron Energy-Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16681-16686.	1.5	3
26	Graphene-Wrapped ZnMn_2O_4 Nanoparticles with Enhanced Performance as Lithium-Ion Battery Anode Materials. <i>Nano</i> , 2020, 15, 2050117.	0.5	3
27	Formation Mechanisms of InGaAs Nanowires Produced by a Solid-Source Two-Step Chemical Vapor Deposition. <i>Nanoscale Research Letters</i> , 2018, 13, 263.	3.1	2
28	MoS_2 Layers Decorated RGO Composite Prepared by a One-Step High-Temperature Solvothermal Method as Anode for Lithium-Ion Batteries. <i>Nano</i> , 2018, 13, 1850135.	0.5	2
29	Three Distinct Deformation Behaviors of Cementite Lamellae in a Cold-Drawn Pearlitic Wire. <i>Metals and Materials International</i> , 2018, 24, 840-844.	1.8	2
30	Flute-like Fe_2O_3 Nanorods with Modulating Porosity for High Performance Anode Materials in Lithium Ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 3681-3689.	0.7	2
31	Graphene-Wrapped FeOOH Nanorods with Enhanced Performance as Lithium-Ion Battery Anode. <i>Nano</i> , 2021, 16, 2150005.	0.5	1
32	Formation of V-grooves in SrRuO_3 epitaxial film. <i>Journal of Crystal Growth</i> , 2016, 455, 13-18.	0.7	0
33	Thickness-induced anomalous angular-dependent magnetoresistance of $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films grown on SrTiO_3 . <i>Journal of the American Ceramic Society</i> , 2018, 101, 2339-2346.	1.9	0