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	Monodisperse PdBi Nanoparticles with a Face-Centered Cubic Structure for Highly Efficient Ethanol Oxidation. ACS Applied Energy Materials, 2022, 5, 1282-1290.	2.5	25
2	Self-Assembly of CsPbBr₃ Nanocubes into 2D Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 44777-44785.	4.0	15
3	Atomic Identification of Interfaces in Individual Core@shell Quantum Dots. Advanced Science, 2021, 8, e2102784.	5.6	14
4	Graphene-Wrapped FeOOH Nanorods with Enhanced Performance as Lithium-Ion Battery Anode. Nano, 2021, 16, 2150005.	0.5	1
5	Double-shell SnO₂@Fe₂O₃ hollow spheres as a high-performance anode material for lithium-ion batteries. CrystEngComm, 2020, 22, 1197-1208.	1.3	38
6	Graphene-Wrapped ZnMn₂O₄ Nanoparticles with Enhanced Performance as Lithium-Ion Battery Anode Materials. Nano, 2020, 15, 2050117.	0.5	3
7	Integration of photoelectrochemical devices and luminescent solar concentrators based on giant quantum dots for highly stable hydrogen generation. Journal of Materials Chemistry A, 2019, 7, 18529-18537.	5.2	25
8	Novel Î±-FeOOH corner-truncated tetragonal prisms: crystal structure, growth mechanism and lithium storage properties. Journal of Applied Electrochemistry, 2019, 49, 657-669.	1.5	15
9	Efficient solar-driven hydrogen generation using colloidal heterostructured quantum dots. Journal of Materials Chemistry A, 2019, 7, 14079-14088.	5.2	46
10	Fluteâ€like Fe 2 O 3 Nanorods with Modulating Porosity for High Performance Anode Materials in Lithium Ion Batteries. ChemistrySelect, 2019, 4, 3681-3689.	0.7	2
11	Electron beam-induced morphology transformations of Fe2TiO5 nanoparticles. Journal of Materials Chemistry C, 2019, 7, 13829-13838.	2.7	9
12	SnO2 nanocrystal-Fe2O3 nanorod hybrid structures: an anode material with enhanced lithium storage capacity. Journal of Solid State Electrochemistry, 2019, 23, 379-387.	1.2	5
13	One-Pot Synthesis of Î±-Fe₂O₃ Nanospindles as High-Performance Lithium-Ion Battery Anodes. Nano, 2018, 13, 1850018.	0.5	11
14	Transition metal oxide nanostructures: premeditated fabrication and applications in electronic and photonic devices. Journal of Materials Science, 2018, 53, 4334-4359.	1.7	38
15	Thicknessâ€induced anomalous angularâ€dependent magnetoresistance of La_{2/3}Sr_{1/3}MnO₃ thin films grown on SrTiO₃. Journal of the American Ceramic Society, 2018, 101, 2339-2346.	1.9	0
16	Spray-Drying-Induced Assembly of Skeleton-Structured SnO₂/Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 2515-2525.	4.0	85
17	Formation Mechanisms of InGaAs Nanowires Produced by a Solid-Source Two-Step Chemical Vapor Deposition. Nanoscale Research Letters, 2018, 13, 263.	3.1	2
18	MoS2 Layers Decorated RGO Composite Prepared by a One-Step High-Temperature Solvothermal Method as Anode for Lithium-Ion Batteries. Nano, 2018, 13, 1850135.	0.5	2

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19	Three Distinct Deformation Behaviors of Cementite Lamellae in a Cold-Drawn Pearlitic Wire. Metals and Materials International, 2018, 24, 840-844.	1.8	2
20	Stable tandem luminescent solar concentrators based on CdSe/CdS quantum dots and carbon dots. Journal of Materials Chemistry C, 2018, 6, 10059-10066.	2.7	65
21	Efficient and stable tandem luminescent solar concentrators based on carbon dots and perovskite quantum dots. Nano Energy, 2018, 50, 756-765.	8.2	170
22	Spraying Coagulationâ€Assisted Hydrothermal Synthesis of MoS₂/Carbon/Graphene Composite Microspheres for Lithiumâ€Ion Battery Applications. ChemElectroChem, 2017, 4, 2027-2036.	1.7	24
23	Diameter Dependence of Planar Defects in InP Nanowires. Scientific Reports, 2016, 6, 32910.	1.6	13
24	Formation of V-grooves in SrRuO3 epitaxial film. Journal of Crystal Growth, 2016, 455, 13-18.	0.7	0
25	Mechanistical investigation on the self-enhanced photocatalytic activity of CuO/Cu₂O hybrid nanostructures by density functional theory calculations. Physical Chemistry Chemical Physics, 2016, 18, 27967-27975.	1.3	21
26	Structural evolution of palladium nanoparticles and their electrocatalytic activity toward ethanol oxidation in alkaline solution. RSC Advances, 2016, 6, 91991-91998.	1.7	10
27	Probing the Electronic Structures of BaTiO3/SrTiO3 Multilayered Film with Spatially Resolved Electron Energy-Loss Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 16681-16686.	1.5	3
28	Tuning the magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub><mml:mi>Co</mml:mi><mml:ms	1.1	9
29	Mesoporous carbon spheres with controlled porosity for high-performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 285, 469-477.	4.0	69
30	Sustainable Preparation of Copper Particles Decorated Carbon Microspheres and Studies on Their Bactericidal Activity and Catalytic Properties. ACS Sustainable Chemistry and Engineering, 2015, 3, 2414-2422.	3.2	35
31	Lowâ€Temperature, Nontoxic Waterâ€Induced Metalâ€Oxide Thin Films and Their Application in Thinâ€Film Transistors. Advanced Functional Materials, 2015, 25, 2564-2572.	7.8	161
32	One-step solvothermal preparation of Fe3O4/graphene composites at elevated temperature and their application as anode materials for lithium-ion batteries. RSC Advances, 2014, 4, 59981-59989.	1.7	38
33	Formation mechanisms for the dominant kinks with different angles in InP nanowires. Nanoscale Research Letters, 2014, 9, 211.	3.1	9