# Yiqian Wang

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4375941/publications.pdf

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|---|---|---|---|
| 33 papers | 965 citations | 623734 14 h-index | 434195 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. Nano Energy, 2018, 50, 756-765. | 16.0 | 170 |
| 2 | Lowâ€Temperature, Nontoxic Waterâ€Induced Metalâ€Oxide Thin Films and Their Application in Thinâ€Film Transistors. Advanced Functional Materials, 2015, 25, 2564-2572. | 14.9 | 161 |
| 3 | Spray-Drying-Induced Assembly of Skeleton-Structured SnO<sub>2</sub>/Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 2515-2525. | 8.0 | 85 |
| 4 | Mesoporous carbon spheres with controlled porosity for high-performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 285, 469-477. | 7.8 | 69 |
| 5 | Stable tandem luminescent solar concentrators based on CdSe/CdS quantum dots and carbon dots. Journal of Materials Chemistry C, 2018, 6, 10059-10066. | 5.5 | 65 |
| 6 | Efficient solar-driven hydrogen generation using colloidal heterostructured quantum dots. Journal of Materials Chemistry A, 2019, 7, 14079-14088. | 10.3 | 46 |
| 7 | 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. | 3.6 | 38 |
| 8 | Transition metal oxide nanostructures: premeditated fabrication and applications in electronic and photonic devices. Journal of Materials Science, 2018, 53, 4334-4359. | 3.7 | 38 |
| 9 | Double-shell SnO<sub>2</sub>@Fe<sub>2</sub>O<sub>3</sub> hollow spheres as a high-performance anode material for lithium-ion batteries. CrystEngComm, 2020, 22, 1197-1208. | 2.6 | 38 |
| 10 | 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. | 6.7 | 35 |
| 11 | 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. | 10.3 | 25 |
| 12 | Monodisperse PdBi Nanoparticles with a Face-Centered Cubic Structure for Highly Efficient Ethanol Oxidation. ACS Applied Energy Materials, 2022, 5, 1282-1290. | 5.1 | 25 |
| 13 | Spraying Coagulationâ€Assisted Hydrothermal Synthesis of MoS<sub>2</sub>/Carbon/Graphene Composite Microspheres for Lithiumâ€Ion Battery Applications. ChemElectroChem, 2017, 4, 2027-2036. | 3.4 | 24 |
| 14 | Mechanistical investigation on the self-enhanced photocatalytic activity of CuO/Cu<sub>2</sub>O hybrid nanostructures by density functional theory calculations. Physical Chemistry Chemical Physics, 2016, 18, 27967-27975. | 2.8 | 21 |
| 15 | Novel Î±-FeOOH corner-truncated tetragonal prisms: crystal structure, growth mechanism and lithium storage properties. Journal of Applied Electrochemistry, 2019, 49, 657-669. | 2.9 | 15 |
| 16 | Self-Assembly of CsPbBr<sub>3</sub> Nanocubes into 2D Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 44777-44785. | 8.0 | 15 |
| 17 | Atomic Identification of Interfaces in Individual Core@shell Quantum Dots. Advanced Science, 2021, 8, e2102784. | 11.2 | 14 |
| 18 | Diameter Dependence of Planar Defects in InP Nanowires. Scientific Reports, 2016, 6, 32910. | 3.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | One-Pot Synthesis of Î±-Fe<sub>2</sub>O<sub>3</sub> Nanospindles as High-Performance Lithium-Ion Battery Anodes. Nano, 2018, 13, 1850018. | 1.0 | 11 |
| 20 | Structural evolution of palladium nanoparticles and their electrocatalytic activity toward ethanol oxidation in alkaline solution. RSC Advances, 2016, 6, 91991-91998. | 3.6 | 10 |
| 21 | Formation mechanisms for the dominant kinks with different angles in InP nanowires. Nanoscale Research Letters, 2014, 9, 211. | 5.7 | 9 |
| 22 | 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 | 3.2 | 9 |
| 23 | Electron beam-induced morphology transformations of Fe2TiO5 nanoparticles. Journal of Materials Chemistry C, 2019, 7, 13829-13838. | 5.5 | 9 |
| 24 | SnO2 nanocrystal-Fe2O3 nanorod hybrid structures: an anode material with enhanced lithium storage capacity. Journal of Solid State Electrochemistry, 2019, 23, 379-387. | 2.5 | 5 |
| 25 | 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. | 3.1 | 3 |
| 26 | Graphene-Wrapped ZnMn<sub>2</sub>O<sub>4</sub> Nanoparticles with Enhanced Performance as Lithium-Ion Battery Anode Materials. Nano, 2020, 15, 2050117. | 1.0 | 3 |
| 27 | Formation Mechanisms of InGaAs Nanowires Produced by a Solid-Source Two-Step Chemical Vapor Deposition. Nanoscale Research Letters, 2018, 13, 263. | 5.7 | 2 |
| 28 | MoS2 Layers Decorated RGO Composite Prepared by a One-Step High-Temperature Solvothermal Method as Anode for Lithium-Ion Batteries. Nano, 2018, 13, 1850135. | 1.0 | 2 |
| 29 | Three Distinct Deformation Behaviors of Cementite Lamellae in a Cold-Drawn Pearlitic Wire. Metals and Materials International, 2018, 24, 840-844. | 3.4 | 2 |
| 30 | Fluteâ€like Fe 2 O 3 Nanorods with Modulating Porosity for High Performance Anode Materials in Lithium Ion Batteries. ChemistrySelect, 2019, 4, 3681-3689. | 1.5 | 2 |
| 31 | Graphene-Wrapped FeOOH Nanorods with Enhanced Performance as Lithium-Ion Battery Anode. Nano, 2021, 16, 2150005. | 1.0 | 1 |
| 32 | Formation of V-grooves in SrRuO3 epitaxial film. Journal of Crystal Growth, 2016, 455, 13-18. | 1.5 | 0 |
| 33 | Thicknessâ€induced anomalous angularâ€dependent magnetoresistance of La<sub>2/3</sub>Sr<sub>1/3</sub>MnO<sub>3</sub> thin films grown on SrTiO<sub>3</sub>. Journal of the American Ceramic Society, 2018, 101, 2339-2346. | 3.8 | 0 |