Zewei Wang

List of Publications by Year
in descending order

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29 papers	1,671 citations	411340 20 h-index	591227 27 g-index
29 all docs	29 docs citations	29 times ranked	2926 citing authors

#	Article	IF	Citations
1	Template-Assisted Colloidal Synthesis of Plasmonic Nanocrystals. , 2022, , 235-304.		0
2	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO₂ via Precision Synthesis of Monodisperse PEGâ€Ligated Nanoparticles. Advanced Energy Materials, 2022, 12, .	10.2	34
3	Operando unraveling photothermal-promoted dynamic active-sites generation in NiFe ₂ O ₄ for markedly enhanced oxygen evolution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	107
4	Tailoring electrocatalytic activity of in situ crafted perovskite oxide nanocrystals via size and dopant control. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
5	Tailoring oxygen evolution reaction activity of metal-oxide spinel nanoparticles via judiciously regulating surface-capping polymers. Journal of Materials Chemistry A, 2021, 9, 20375-20384.	5.2	14
6	Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 1611-1618.	7.2	104
7	Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie, 2020, 132, 1628-1635.	1.6	34
8	Detrimental effects of SO2 on gaseous mercury(II) adsorption and retention by CaO-based sorbent traps: Competition and heterogeneous reduction. Journal of Hazardous Materials, 2020, 387, 121679.	6.5	29
9	SnO₂ as Advanced Anode of Alkaliâ€Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. Advanced Energy Materials, 2020, 10, 1902657.	10.2	71
10	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. ACS Applied Nano Materials, 2020, 3, 11335-11343.	2.4	3
11	Synthesis of Amphiphilic and Double Hydrophilic Star-like Block Copolymers and the Dual pH-Responsiveness of Unimolecular Micelle. Macromolecules, 2020, 53, 8286-8295.	2.2	15
12	Rapid Capillaryâ€Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie, 2020, 132, 15052-15059.	1.6	1
13	Rapid Capillaryâ€Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie - International Edition, 2020, 59, 14942-14949.	7.2	36
14	Strongly-ligated perovskite quantum dots with precisely controlled dimensions and architectures for white light-emitting diodes. Nano Energy, 2020, 77, 105043.	8.2	52
15	Frontispiz: Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie, 2020, 132, .	1.6	0
16	Frontispiece: Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, .	7.2	1
17	Alkaliâ€Ion Batteries: SnO₂ as Advanced Anode of Alkaliâ€Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility (Adv. Energy Mater. 6/2020). Advanced Energy Materials, 2020, 10, 2070027.	10.2	2
18	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€Sensitive Polymers. Angewandte Chemie, 2019, 131, 12036-12043.	1.6	7

#	Article	IF	Citations
19	Polar Organic Solvent-Tolerant Perovskite Nanocrystals Permanently Ligated with Polymer Hairs via Star-like Molecular Bottlebrush Trilobe Nanoreactors. Nano Letters, 2019, 19, 9019-9028.	4.5	70
20	A Robust Route to Co₂(OH)₂CO₃ Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acidâ€Functionalized Graphene Oxide. Advanced Energy Materials, 2019, 9, 1901093.	10.2	94
21	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. Advanced Materials, 2019, 31, e1901602.	11.1	119
22	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€Sensitive Polymers. Angewandte Chemie - International Edition, 2019, 58, 11910-11917.	7.2	80
23	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1391-E1400.	3.3	106
24	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 37267-37276.	4.0	82
25	Cascade charge transfer enabled by incorporating edge-enriched graphene nanoribbons for mesostructured perovskite solar cells with enhanced performance. Nano Energy, 2018, 52, 123-133.	8.2	123
26	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. Angewandte Chemie - International Edition, 2017, 56, 4488-4493.	7.2	210
27	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. Angewandte Chemie, 2017, 129, 4559-4564.	1.6	40
28	Interconnected Ni(HCO₃)₂ Hollow Spheres Enabled by Self-Sacrificial Templating with Enhanced Lithium Storage Properties. ACS Energy Letters, 2017, 2, 111-116.	8.8	108
29	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. Journal of the American Chemical Society, 2017, 139, 12956-12967.	6.6	107