

Xiaoyan Liu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,183
citations

218677

26
h-index

223800

46
g-index

51
all docs

51
docs citations

51
times ranked

4859
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolyte Modulators toward Polarization-Mitigated Lithium-Ion Batteries for Sustainable Electric Transportation. <i>Advanced Materials</i> , 2022, 34, e2107787.	21.0	15
2	Uniform lithium nucleation/deposition regulated by N/S co-doped carbon nanospheres towards ultra-stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1463-1472.	10.3	10
3	Microwave-assisted synthesis of oxygen vacancy associated TiO ₂ for efficient photocatalytic nitrate reduction. <i>Chinese Chemical Letters</i> , 2022, 33, 3835-3841.	9.0	25
4	A flame retardant containing biomass-based polydopamine for high-performance rigid polyurethane foam. <i>New Journal of Chemistry</i> , 2022, 46, 11985-11993.	2.8	7
5	Sensitive and selective electrochemical determination of uric acid in urine based on ultrasmall iron oxide nanoparticles decorated urchin-like nitrogen-doped carbon. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112538.	5.0	99
6	Interface Dipole Induced Field-Effect Passivation for Achieving 21.7% Efficiency and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2008052.	14.9	40
7	Vapor deposition of aluminium oxide into N-rich mesoporous carbon framework as a reversible sulfur host for lithium-sulfur battery cathode. <i>Nano Research</i> , 2021, 14, 131-138.	10.4	24
8	Dual electrocatalytic heterostructures for efficient immobilization and conversion of polysulfides in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18477-18487.	10.3	15
9	Electrolyte Interphase Built from Anionic Covalent Organic Frameworks for Lithium Dendrite Suppression. <i>Advanced Functional Materials</i> , 2021, 31, 2009718.	14.9	43
10	<i>In Situ</i> Synthesis of a Li _{0.6} La _{0.3} Zr _{0.1} Ta _{0.6} O ₁₂ /Poly(vinylene Tj ETQq0 0 0 rgBT /Overlock 10 Energy Materials, 2021, 4, 9368-9375.	5.1	15
11	Negatively charged polymeric interphase for regulated uniform lithium-ion transport in stable lithium metal batteries. <i>Nano Energy</i> , 2021, 87, 106214.	16.0	18
12	Self-Driven Reactive Oxygen Species Generation via Interfacial Oxygen Vacancies on Carbon-Coated TiO ₂ with Versatile Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2033-2043.	8.0	34
13	Estimating the Impact of Ecological Migrants on the South-to-North Water Diversion in China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12295.	2.6	0
14	Novel S-doped ordered mesoporous carbon nanospheres toward advanced lithium metal anodes. <i>Nano Energy</i> , 2020, 69, 104443.	16.0	52
15	High Quality Pyrazinoquinoxaline-Based Graphdiyne for Efficient Gradient Storage of Lithium Ions. <i>Nano Letters</i> , 2020, 20, 7333-7341.	9.1	39
16	Facile fabrication of fluorine-free breathable poly(methylhydrosiloxane)/polyurethane fibrous membranes with enhanced water-resistant capability. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 541-548.	9.4	40
17	Microwave-assisted synthesis of 1T MoS ₂ /Cu nanowires with enhanced capacity and stability as anode for LIBs. <i>Chemical Engineering Journal</i> , 2019, 374, 429-436.	12.7	42
18	Photocatalysis: Microwave-Induced Metal Dissolution Synthesis of Core-Shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution (Adv. Energy Mater. 22/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970085.	19.5	2

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19	Microwave-Induced Metal Dissolution Synthesis of Core-Shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1900775.	19.5	97
20	Well-dispersed phosphorus nanocrystals within carbon via high-energy mechanical milling for high performance lithium storage. <i>Nano Energy</i> , 2019, 59, 464-471.	16.0	70
21	SKP2 promotes breast cancer tumorigenesis and radiation tolerance through PDCD4 ubiquitination. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 76.	8.6	68
22	Rhodamine B derivative-modified up-conversion nanoparticle probes based on fluorescence resonance energy transfer (FRET) for the solid-based detection of copper ions. <i>RSC Advances</i> , 2019, 9, 30917-30924.	3.6	7
23	High-Bandwidth White-Light System Combining a Micro-LED with Perovskite Quantum Dots for Visible Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5641-5648.	8.0	194
24	In Situ High-Level Nitrogen Doping into Carbon Nanospheres and Boosting of Capacitive Charge Storage in Both Anode and Cathode for a High-Energy 4.5 V Full-Carbon Lithium-Ion Capacitor. <i>Nano Letters</i> , 2018, 18, 3368-3376.	9.1	163
25	miR-1204 targets VDR to promotes epithelial-mesenchymal transition and metastasis in breast cancer. <i>Oncogene</i> , 2018, 37, 3426-3439.	5.9	52
26	A Parallel Feature Expansion Classification Model with Feature-based Attention Mechanism. , 2018, , .		0
27	Experimental demonstration of non-line-of-sight visible light communication with different reflecting materials using a GaN-based micro-LED and modified IEEE 802.11ac. <i>AIP Advances</i> , 2018, 8, .	1.3	13
28	Aerosol-Assisted Synthesis of Spherical Sb/C Composites as Advanced Anodes for Lithium Ion and Sodium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 6381-6387.	5.1	32
29	Recent Progress of Hybrid Solid-State Electrolytes for Lithium Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 18293-18306.	3.3	127
30	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. <i>Small</i> , 2018, 14, e1800635.	10.0	146
31	Microwave-Assisted Heating Method toward Multicolor Quantum Dot-Based Phosphors with Much Improved Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27160-27170.	8.0	21
32	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO ₂ -Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. <i>ACS Nano</i> , 2017, 11, 2952-2960.	14.6	542
33	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. <i>ACS Nano</i> , 2017, 11, 2697-2705.	14.6	132
34	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 1279-1287.	17.4	122
35	Suppression of CUL4A attenuates TGF- β 1-induced epithelial-to-mesenchymal transition in breast cancer cells. <i>International Journal of Molecular Medicine</i> , 2017, 40, 1114-1124.	4.0	10
36	A novel compact cathode using sponge-like RANEY® nickel as the sulfur immobilizer for lithium-sulfur batteries. <i>RSC Advances</i> , 2017, 7, 35482-35489.	3.6	7

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37	34.5 m Underwater optical wireless communication with 2.70 Gbps data rate based on a green laser with NRZ-OOK modulation. , 2017, , .		15
38	Intelligent Optimization of the Film-to-Fiber Ratio of a Degradable Braided Bicomponent Ureteral Stent. <i>Materials</i> , 2015, 8, 7563-7577.	2.9	4
39	Improved electrochemical performance of Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ by doping with molybdenum for Lithium battery. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1037-1044.	2.5	24
40	In situ synthesis of mesoporous single-grain layer anatase TiO ₂ nanosheets without additives via a mild and simple process for a long-term Li-ion battery. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6455-6463.	10.3	20
41	PEO-coated sulfur-carbon composite for high-performance lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3373-3379.	2.5	31
42	Near-Infrared and Naked-Eye Fluorescence Probe for Direct and Highly Selective Detection of Cysteine and Its Application in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 4856-4863.	6.5	194
43	Naked-Eye and Near-Infrared Fluorescence Probe for Hydrazine and Its Applications in In Vitro and In Vivo Bioimaging. <i>Analytical Chemistry</i> , 2015, 87, 9101-9107.	6.5	185
44	Preparation of yolk-shell sulfur/carbon nanocomposite via an organic solvent route for lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2077-2085.	2.5	25
45	A physical model for bipolar oxide-based resistive switching memory based on ion-transport-recombination effect. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	31
46	Gd-doping effect on performance of HfO ₂ based resistive switching memory devices using implantation approach. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	165
47	Ionic doping effect in ZrO ₂ resistive switching memory. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	154
48	In vitro fatigue properties of prototype textile components of endovascular devices. <i>Fibers and Polymers</i> , 2009, 10, 91-97.	2.1	7
49	Radial Boundary Forces-Modulated Valence Band Structure of Ge (110) Nanowire. , 2009, , .		1
50	Impact of Thickness and Deposition Temperature of Gate Dielectric on Valence Bands in Silicon Nanowires. , 2009, , .		0