

Jinyun Liu

List of Publications by Year in descending order

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138
papers

3,116
citations

147566

31
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189595

50
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140
all docs

140
docs citations

140
times ranked

4826
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer Lithium Plating in Au Nanoparticles Pillared Reduced Graphene Oxide for Lithium Metal Anodes. <i>Advanced Functional Materials</i> , 2018, 28, 1804133.	7.8	142
2	A novel coral-like porous SnO ₂ hollow architecture: biomimetic swallowing growth mechanism and enhanced photovoltaic property for dye-sensitized solar cell application. <i>Chemical Communications</i> , 2010, 46, 472-474.	2.2	120
3	Mechanically and Chemically Robust Sandwich-Structured C@Si@C Nanotube Array Li-Ion Battery Anodes. <i>ACS Nano</i> , 2015, 9, 1985-1994.	7.3	119
4	Porous Hierarchical In ₂ O ₃ Micro-/Nanostructures: Preparation, Formation Mechanism, and Their Application in Gas Sensors for Noxious Volatile Organic Compound Detection. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4887-4894.	1.5	111
5	Template synthesis, organic gas-sensing and optical properties of hollow and porous In ₂ O ₃ nanospheres. <i>Nanotechnology</i> , 2008, 19, 345704.	1.3	106
6	Surface-Electronic-State-Modulated, Single-Crystalline (001) TiO ₂ Nanosheets for Sensitive Electrochemical Sensing of Heavy-Metal Ions. <i>Analytical Chemistry</i> , 2017, 89, 3386-3394.	3.2	104
7	Shape- and phase-controlled synthesis of In ₂ O ₃ with various morphologies and their gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 103-110.	4.0	94
8	Graphene Sandwiched Mesostructured Li-Ion Battery Electrodes. <i>Advanced Materials</i> , 2016, 28, 7696-7702.	11.1	86
9	Preparation of a leaf-like CdS micro-/nanostructure and its enhanced gas-sensing properties for detecting volatile organic compounds. <i>Journal of Materials Chemistry</i> , 2012, 22, 17782.	6.7	82
10	A novel ammonia sensor based on high density, small diameter polypyrrole nanowire arrays. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 204-209.	4.0	80
11	Electrodeposition Technologies for Li-Based Batteries: New Frontiers of Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1903808.	11.1	70
12	Novel Single-Crystalline Hierarchical Structured ZnO Nanorods Fabricated via a Wet-Chemical Route: Combined High Gas Sensing Performance with Enhanced Optical Properties. <i>Crystal Growth and Design</i> , 2009, 9, 1716-1722.	1.4	67
13	Three-dimensional graphene-based nanocomposites for high energy density Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5977-5994.	5.2	67
14	A biomimetic SiO ₂ @chitosan composite as highly-efficient adsorbent for removing heavy metal ions in drinking water. <i>Chemosphere</i> , 2019, 214, 738-742.	4.2	64
15	High Volumetric Capacity Three-Dimensionally Sphere-Caged Secondary Battery Anodes. <i>Nano Letters</i> , 2016, 16, 4501-4507.	4.5	62
16	Electroplating lithium transition metal oxides. <i>Science Advances</i> , 2017, 3, e1602427.	4.7	62
17	Highly sensitive and selective butanol sensors using the intermediate state nanocomposites converted from I ² -FeOOH to I [±] -Fe ₂ O ₃ . <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 543-551.	4.0	58
18	Improved Performance in FeF ₂ Conversion Cathodes through Use of a Conductive 3D Scaffold and Al ₂ O ₃ ALD Coating. <i>Advanced Functional Materials</i> , 2017, 27, 1702783.	7.8	55

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19	A Novel Antimony [~] Carbon Nanotube [~] Tin Oxide Thin Film:â€‰ Carbon Nanotubes as Growth Guider and Energy Buffer. Application for Indoor Air Pollutants Gas Sensor. Journal of Physical Chemistry C, 2008, 112, 6119-6125.	1.5	54
20	A Selfâ€‰Healing Flexible Quasiâ€‰Solid Zincâ€‰Ion Battery Using Allâ€‰Inâ€‰One Electrodes. Advanced Science, 2021, 8, 2004689.	3.6	54
21	High Electrochemical Sensitivity of TiO ₂ Nanosheets and an Electron-Induced Mutual Interference Effect toward Heavy Metal Ions Demonstrated Using X-ray Absorption Fine Structure Spectra. Analytical Chemistry, 2018, 90, 4328-4337.	3.2	52
22	Hydrothermal Fabrication of Threeâ€‰Dimensional Secondary Battery Anodes. Advanced Materials, 2014, 26, 7096-7101.	11.1	48
23	Three-dimensional sandwich-structured NiMn ₂ O ₄ @reduced graphene oxide nanocomposites for highly reversible Li-ion battery anodes. Journal of Power Sources, 2018, 378, 677-684.	4.0	47
24	Nanomaterial-Assisted Signal Enhancement of Hybridization for DNA Biosensors: A Review. Sensors, 2009, 9, 7343-7364.	2.1	43
25	Ultra-fast and accurate binding energy prediction of shuttle effect-suppressive sulfur hosts for lithium-sulfur batteries using machine learning. Energy Storage Materials, 2021, 35, 88-98.	9.5	42
26	A high-capacity NiCo ₂ O ₄ @reduced graphene oxide nanocomposite Li-ion battery anode. Journal of Alloys and Compounds, 2018, 741, 223-230.	2.8	41
27	(Co/Fe) ₄ O ₄ Cubane-Containing Nanorings Fabricated by Phosphorylating Cobalt Ferrite for Highly Efficient Oxygen Evolution Reaction. ACS Catalysis, 2019, 9, 3878-3887.	5.5	38
28	High capacity 3D structured tin-based electroplated Li-ion battery anodes. Energy Storage Materials, 2019, 17, 151-156.	9.5	36
29	Biomimetic snowflake-shaped magnetic micro-/nanostructures for highly efficient adsorption of heavy metal ions and organic pollutants from aqueous solution. Journal of Materials Chemistry A, 2014, 2, 11759-11767.	5.2	34
30	A three-dimensional hierarchical CdO nanostructure: Preparation and its improved gas-diffusing performance in gas sensor. Sensors and Actuators B: Chemical, 2013, 184, 260-267.	4.0	33
31	Integration of high capacity materials into interdigitated mesostructured electrodes for high energy and high power density primary microbatteries. Journal of Power Sources, 2016, 315, 308-315.	4.0	32
32	Synthesis of close-packed multi-walled carbon nanotube bundles using Mo as catalyst. Carbon, 2009, 47, 1652-1658.	5.4	31
33	A novel litchi-like LiFePO ₄ sphere/reduced graphene oxide composite Li-ion battery cathode with high capacity, good rate-performance and low-temperature property. Applied Surface Science, 2018, 459, 233-241.	3.1	30
34	Templateâ€‰Directed Directionally Solidified 3D Mesostructured AgClâ€‰KCl Eutectic Photonic Crystals. Advanced Materials, 2015, 27, 4551-4559.	11.1	28
35	Heteroepitaxial Growth of GaN on Unconventional Templates and Layerâ€‰Transfer Techniques for Largeâ€‰Area, Flexible/Stretchable Lightâ€‰Emitting Diodes. Advanced Optical Materials, 2016, 4, 505-521.	3.6	27
36	Hydrogel and sulfur co-coating on semispherical TiO ₂ as polysulfides-immobilized cathodes for high capacity and stable rate performance lithium-sulfur batteries. Applied Surface Science, 2020, 513, 145887.	3.1	25

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37	A novel binary metal sulfide hybrid Li-ion battery anode: Three-dimensional ZnCo ₂ S ₄ /NiCo ₂ S ₄ derived from metal-organic foams enables an improved electron transfer and ion diffusion performance. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153293.	2.8	24
38	A metal organic foam-derived zinc cobalt sulfide with improved binding energies towards polysulfides for lithium-sulfur batteries. <i>Ceramics International</i> , 2020, 46, 14056-14063.	2.3	22
39	Predicting adsorption ability of adsorbents at arbitrary sites for pollutants using deep transfer learning. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	22
40	Triethylenetetramine (TETA)-assisted synthesis, dynamic growth mechanism, and photoluminescence properties of radial single-crystalline ZnS nanowire bundles. <i>Journal of Crystal Growth</i> , 2009, 311, 1423-1429.	0.7	21
41	Dense doping of indium to coral-like SnO ₂ nanostructures through a plasma-assisted strategy for sensitive and selective detection of chlorobenzene. <i>Nanotechnology</i> , 2011, 22, 315501.	1.3	21
42	A novel porous anodic alumina based capacitive sensor towards trace detection of PCBs. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 641-646.	4.0	21
43	Three-dimensionally scaffolded Co ₃ O ₄ nanosheet anodes with high rate performance. <i>Journal of Power Sources</i> , 2015, 299, 40-48.	4.0	21
44	A Polysulfides-Confined Al ₂ O ₃ -One Porous Microcapsule Lithium-Sulfur Battery Cathode. <i>Small</i> , 2021, 17, e2103051.	5.2	21
45	General Liquid-Driven Coaxial Flow Focusing Preparation of Novel Microcapsules for Rechargeable Magnesium Batteries. <i>Advanced Science</i> , 2021, 8, 2002298.	5.6	20
46	A Lamellar Yolk-Shell Lithium-Sulfur Battery Cathode Displaying Ultralong Cycling Life, High Rate Performance, and Temperature Tolerance. <i>Advanced Science</i> , 2022, 9, e2103517.	5.6	20
47	Low Interface Energies Tune the Electrochemical Reversibility of Tin Oxide Composite Nanoframes as Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36892-36901.	4.0	19
48	A yolk-shell Fe ₃ O ₄ @void@carbon nanochain as shuttle effect suppressive and volume-change accommodating sulfur host for long-life lithium-sulfur batteries. <i>Nanoscale</i> , 2021, 13, 7744-7750.	2.8	19
49	A metal organic foam-derived multi-layered and porous copper sulfide scaffold as sulfur host with multiple shields for preventing shuttle effect in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020, 356, 136853.	2.6	17
50	A novel ternary sulfur/carbon@tin dioxide composite with polysulfides-adsorptive shell and conductive core as high-performance lithium-sulfur battery cathodes. <i>Applied Surface Science</i> , 2019, 489, 462-469.	3.1	16
51	A novel biomimetic dandelion structure-inspired carbon nanotube coating with sulfur as a lithium-sulfur battery cathode. <i>Nanotechnology</i> , 2019, 30, 155401.	1.3	16
52	Modification of coral-like SnO ₂ nanostructures with dense TiO ₂ nanoparticles for a self-cleaning gas sensor. <i>Talanta</i> , 2012, 99, 394-403.	2.9	15
53	High Full-Electrode Basis Capacity Template-Free 3D Nanocomposite Secondary Battery Anodes. <i>Small</i> , 2015, 11, 6265-6271.	5.2	14
54	A hollow Co ₂ SiO ₄ nanosheet Li-ion battery anode with high electrochemical performance and its dynamic lithiation/delithiation using in situ transmission electron microscopy technology. <i>Applied Surface Science</i> , 2019, 490, 510-515.	3.1	14

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55	Engineering early prediction of supercapacitors' cycle life using neural networks. <i>Materials Today Energy</i> , 2020, 18, 100537.	2.5	14
56	Polymer Composites Containing Phase-Change Microcapsules Displaying Deep Undercooling Exhibit Thermal History-Dependent Mechanical Properties. <i>Advanced Materials Technologies</i> , 2020, 5, 2000286.	3.0	14
57	A rod-on-tube CoMoO ₄ @hydrogel composite as lithium-ion battery anode with high capacity and stable rate-performance. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157648.	2.8	14
58	Mesoporous SnO ₂ sensor prepared by carbon nanotubes as template and its sensing properties to indoor air pollutants. <i>Procedia Engineering</i> , 2010, 7, 172-178.	1.2	13
59	Novel hierarchically-packed tin dioxide sheets for fast adsorption of organic pollutant in aqueous solution. <i>Journal of Materials Chemistry</i> , 2012, 22, 2885-2893.	6.7	13
60	In situ gold nanoparticle-decorated three-dimensional tin dioxide nanostructures for sensitive and selective gas-sensing detection of volatile organic compounds. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6193-6201.	2.7	13
61	A Bio-Inspired Structurally-Responsive and Polysulfides-Mobilizable Carbon/Sulfur Composite as Long-Cycling Life Li-S Battery Cathode. <i>ChemElectroChem</i> , 2019, 6, 3966-3975.	1.7	13
62	A novel rose-with-thorn ternary MoS ₂ @carbon@polyaniline nanocomposite as a rechargeable magnesium battery cathode displaying stable capacity and low-temperature performance. <i>Nanoscale Advances</i> , 2021, 3, 5576-5580.	2.2	13
63	General approach for preparing sandwich-structured metal sulfide@reduced graphene oxide as highly reversible Li-ion battery anode. <i>Materials Research Letters</i> , 2018, 6, 307-313.	4.1	12
64	Three-Dimensionally Porous Li-Ion and Li-S Battery Cathodes: A Mini Review for Preparation Methods and Energy-Storage Performance. <i>Nanomaterials</i> , 2019, 9, 441.	1.9	12
65	A binder-free lithium-sulfur battery cathode using three-dimensional porous g-C ₃ N ₄ nanoflakes as sulfur host displaying high binding energies with lithium polysulfides. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160629.	2.8	12
66	BiOCl Nanorings with Co-Exposed (110)/(001) Facets for Photocatalytic Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2022, 5, 2476-2482.	2.4	12
67	A hydrogel-coated porous sulfur particle as volume-accommodable, conductivity-improved, and polysulfide-adsorptive cathode for lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 26-35.	1.9	11
68	A novel wheel-confined composite as cathode in Li-S batteries with high capacity retention. <i>Journal of Alloys and Compounds</i> , 2019, 776, 504-510.	2.8	11
69	An oriented laterally-growing NiCo ₂ O ₄ nanowire array on a Fe ₂ O ₃ microdisc as a high-capacity and excellent rate-performance secondary battery anode. <i>Chemical Communications</i> , 2020, 56, 2618-2621.	2.2	11
70	Ni-encapsulated TiO ₂ nanotube array prepared using atomic layer deposition as a high-performance Li-ion battery anode. <i>Materials Letters</i> , 2018, 219, 12-15.	1.3	10
71	Hydrogel assisted synthesis of Li ₃ V ₂ (PO ₄) ₃ composite as high energy density and low-temperature stable secondary battery cathode. <i>Journal of Alloys and Compounds</i> , 2018, 739, 837-847.	2.8	10
72	A coaxial spiral SiO ₂ @Fe ₂ O ₃ nanowire as lithium-ion battery anode exhibiting stable rate-performance. <i>Materials Letters</i> , 2021, 285, 129107.	1.3	10

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73	A Self-Healing Lithium-Sulfur Battery Using Gel-Infilled Microcapsules. ACS Applied Energy Materials, 2021, 4, 6749-6756.	2.5	10
74	In Situ Growth of Tin Oxide Nanowires, Nanobelts, and Nanodendrites On the Surface of Iron-Doped Tin Oxide/Multiwalled Carbon Nanotube Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 20583-20588.	1.5	9
75	An all-in-one Sn-Co alloy as a binder-free anode for high-capacity batteries and its dynamic lithiation in situ. Chemical Communications, 2019, 55, 529-532.	2.2	9
76	Molecular structure determination of solid carbon dioxide phase IV at high pressures and temperatures based on MÅller-Plesset perturbation theory. International Journal of Quantum Chemistry, 2020, 120, e26397.	1.0	9
77	Engineering Nanostructured Silicon and its Practical Applications in Lithium-Ion Batteries: A Critical Review. Energy Technology, 2021, 9, 2100400.	1.8	9
78	A lamellar V ₂ O ₃ @C composite for aluminium-ion batteries displaying long cycle life and low-temperature tolerance. Chemical Communications, 2022, 58, 7172-7175.	2.2	9
79	Detection of heroin covered by skin by using robust principal components analysis. Measurement: Journal of the International Measurement Confederation, 2011, 44, 267-273.	2.5	8
80	Sensitive detection of indoor air contaminants using a novel gas sensor based on coral-shaped tin dioxide nanostructures. Sensors and Actuators B: Chemical, 2012, 165, 24-33.	4.0	8
81	Catalysis-Based Cataluminescent and Conductometric Gas Sensors: Sensing Nanomaterials, Mechanism, Applications and Perspectives. Catalysts, 2016, 6, 210.	1.6	8
82	A helix-shaped polyaniline/sulfur nanowire as novel structure-accommodable lithium-sulfur battery cathode for high-performance electrochemical lithium-storage. Journal of Electroanalytical Chemistry, 2019, 855, 113543.	1.9	8
83	A novel spring-structured coaxial hierarchical SiO ₂ @Co ₃ O ₄ nanowire as a lithium-ion battery anode and its <i>in situ</i> real-time lithiation. Nanotechnology, 2020, 31, 035401.	1.3	8
84	A novel ultrathin single-crystalline Bi ₂ O ₃ nanosheet wrapped by reduced graphene oxide with improved electron transfer for Li storage. Journal of Solid State Electrochemistry, 2020, 24, 2487-2497.	1.2	8
85	Silicon Quantum Dots Induce Uniform Lithium Plating in a Sandwiched Metal Anode. ChemElectroChem, 2020, 7, 2026-2032.	1.7	8
86	Machine learning builds full-QM precision protein force fields in seconds. Briefings in Bioinformatics, 2021, 22, .	3.2	8
87	A novel nanosphere-in-nanotube iron phosphide Li-ion battery anode displaying a long cycle life, recoverable rate-performance, and temperature tolerance. Nanoscale, 2021, 13, 15624-15630.	2.8	8
88	A novel sulfur@void@hydrogel yolk-shell particle with a high sulfur content for volume-accommodable and polysulfide-adsorptive lithium-sulfur battery cathodes. Nanotechnology, 2020, 31, 455402.	1.3	8
89	Facile synthesis of chitosan nanoparticle-modified MnO ₂ nanoflakes for ultrafast adsorption of Pb(II) from aqueous solution. Water Science and Technology: Water Supply, 2017, 17, 32-38.	1.0	7
90	A novel tin hybrid nano-composite with double nets of carbon matrixes as a stable anode in lithium ion batteries. Chemical Communications, 2017, 53, 13125-13128.	2.2	7

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91	Crystal Structure Optimization and Gibbs Free Energy Comparison of Five Sulfathiazole Polymorphs by the Embedded Fragment QM Method at the DFT Level. <i>Crystals</i> , 2019, 9, 256.	1.0	7
92	A nickel oxide nanoflakes/reduced graphene oxide composite and its high-performance lithium-storage properties. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2173-2180.	1.2	7
93	Novel Doughnutlike Graphene Quantum Dot-Decorated Composites for High-Performance Li-S Batteries Displaying Dual Immobilization Toward Polysulfides. <i>ACS Applied Energy Materials</i> , 2021, 4, 10998-11003.	2.5	7
94	A novel "caterpillar with eggs" mesostructured iron sulfide as an anode for a Li-ion battery displaying stable electrochemical performance. <i>Chemical Communications</i> , 2022, 58, 1561-1564.	2.2	7
95	A flexible self-healing Zn ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O-based Zn-ion battery under continuous folding and twisting. <i>Chemical Communications</i> , 2022, 58, 8117-8120.	2.2	7
96	Preparation of reduced graphene oxide@nickel oxide nanosheets composites with enhanced lithium-ion storage performance. <i>Materials Chemistry and Physics</i> , 2019, 232, 229-239.	2.0	6
97	Self-reduction preparation of porous multi-walled ZnCo ₂ O ₄ spheres as sulfur host for lithium-sulfur battery cathodes with long cycling life and stable rate-performance. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114860.	1.9	6
98	An encapsulation-reduction-catalysis confined all-in-one microcapsule for lithium-sulfur batteries displaying a high capacity and stable temperature tolerance. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4565-4570.	3.2	6
99	A novel silicon nanoparticles-infilled capsule prepared by an oil-in-water emulsion strategy for high-performance Li-ion battery anodes. <i>Nanotechnology</i> , 2020, 31, 335403.	1.3	6
100	Novel facile detection of persistent organic pollutants using highly sensitive gas sensor. <i>Talanta</i> , 2010, 82, 409-416.	2.9	5
101	Ab Initio Prediction of the Phase Transition for Solid Ammonia at High Pressures. <i>Scientific Reports</i> , 2020, 10, 7546.	1.6	5
102	A General Template-Induced Sulfuration Approach for Preparing Bifunctional Hollow Sulfides for High-Performance Al- and Li-ion Batteries. <i>Energy Technology</i> , 2021, 9, 2000900.	1.8	5
103	A matryoshka-like CuS@void@Co ₃ O ₄ double microcube-locked sulfur as cathode for high-performance lithium-sulfur batteries. <i>Ceramics International</i> , 2021, 47, 25769-25776.	2.3	5
104	Encapsulating Metal-Organic-Framework Derived Nanocages into a Microcapsule for Shuttle Effect-Suppressive Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2022, 12, 236.	1.9	5
105	Engineering a ternary one-dimensional Fe ₂ P@SnP _{0.94} @MoS ₂ mesostructure through magnetic-field-induced self-assembly as a high-performance lithium-ion battery anode. <i>Chemical Communications</i> , 2022, 58, 5108-5111.	2.2	5
106	A graphene oxide scaffold-encapsulated microcapsule for polysulfide-immobilized long life lithium-sulfur batteries. <i>Lab on A Chip</i> , 2022, 22, 2185-2191.	3.1	5
107	Three-dimensional MgSiO ₃ -coated SnO ₂ /C nanostructures for efficient adsorption of heavy metal ions from aqueous solution. <i>RSC Advances</i> , 2016, 6, 73412-73420.	1.7	4
108	Lithium-ion Batteries: Graphene Sandwiched Mesostructured Li-ion Battery Electrodes (Adv. Mater.)	11.1	4

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109	Low-Temperature Polymorphic Transformation of β -Lactam Antibiotics. <i>Crystals</i> , 2019, 9, 460.	1.0	4
110	A bee pupa-infilled honeycomb structure-inspired $\text{Li}_2\text{MnSiO}_4$ cathode for high volumetric energy density secondary batteries. <i>Chemical Communications</i> , 2019, 55, 3582-3585.	2.2	4
111	An artificial sea urchin with hollow spines: improved mechanical and electrochemical stability in high-capacity $\text{Li}^{\text{+}}$ -Ge batteries. <i>Nanoscale</i> , 2020, 12, 5812-5816.	2.8	4
112	Environmentally Friendly and Cost-Effective Synthesis of Carbonaceous Particles for Preparing Hollow SnO_2 Nanospheres and their Bifunctional Li-Storage and Gas-Sensing Properties. <i>Crystals</i> , 2020, 10, 231.	1.0	4
113	Ab initio determination of crystal stability of di-p-tolyl disulfide. <i>Scientific Reports</i> , 2021, 11, 7076.	1.6	4
114	A novel nanosheets-coated multi-layered $\text{SnO}_2@ \text{NiMoO}_4$ microsphere as high-performance Li-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161733.	2.8	4
115	Engineering a novel microcapsule of Cu_9S_5 core and SnS_2 quantum dot/carbon nanotube shell as a Li-ion battery anode. <i>Chemical Communications</i> , 2021, 57, 13397-13400.	2.2	4
116	Three-dimensionally Scaffolded Hydrogel@Sulfur Composite as a Binder-free Polysulfides Adsorptive Cathode for High-performance Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2019, 7, 1801158.	1.8	3
117	Ab initio phase transition prediction for ices XV/XIV/VIII at high pressures and low temperatures. <i>Chemical Physics Letters</i> , 2020, 760, 138015.	1.2	3
118	Phase Transition of Ice at High Pressures and Low Temperatures. <i>Molecules</i> , 2020, 25, 486.	1.7	3
119	Differences of element distribution between free and wheel side surface of NdFeB/Fe ribbons. <i>Journal of Rare Earths</i> , 2011, 29, 94-96.	2.5	2
120	High-performance ternary nickel-cobalt-manganese oxide nanoparticles-anchored reduced graphene oxide composite as Li-ion battery cathode: Simple preparation and comparative study. <i>Ceramics International</i> , 2019, 45, 20105-20112.	2.3	2
121	Encapsulating Tin Nanoflowers into Microcapsules for High-rate Performance Secondary Battery Anodes through In Situ Polymerizing Oil-in-Water Interface. <i>Energy Technology</i> , 2020, 8, 1901404.	1.8	2
122	Engineering nanocluster arrays on lotus leaf as free-standing high areal capacity Li-ion battery anodes: A cost-effective and general bio-inspired approach. <i>Journal of Alloys and Compounds</i> , 2021, , 162136.	2.8	2
123	A Microcapsule-assisted Self-healing Magnesium Battery Cathodes. <i>Energy Technology</i> , 2021, 9, 2100393.	1.8	2
124	Flower-shaped nanoscale $\text{Na}_2\text{Mg}(\text{CO}_3)_2$: a promising adsorbent for fluoride removal from drinking water. , 0, 202, 232-240.		2
125	A novel free-standing metal organic frameworks-derived cobalt sulfide polyhedron array for shuttle effect suppressive lithium-sulfur batteries. <i>Nanotechnology</i> , 2022, 33, 105401.	1.3	2
126	Novel nanoparticle detection method using electrochemical device based on anodic aluminum oxide nanopore membrane. <i>Procedia Engineering</i> , 2010, 7, 100-105.	1.2	1

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127	Comparison on gas-sensing properties of single- and multi-layered SnO ₂ nanostructures in drug-precursors detection. <i>Procedia Engineering</i> , 2010, 7, 123-129.	1.2	1
128	Microcapsules: Polymer Composites Containing Phase-Change Microcapsules Displaying Deep Undercooling Exhibit Thermal History-Dependent Mechanical Properties (<i>Adv. Mater. Technol.</i> 10/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070062.	3.0	1
129	A Novel Mechanically Robust Leaf-Shaped Tin Dioxide Li-Ion Battery Anode and Its Dynamic Structural Transformation and Electron-Transfer Simulation. <i>Energy Technology</i> , 2020, 8, 1901149.	1.8	1
130	Electron and Ion Transport of Tin Dioxide in Secondary Batteries: Enhancement Approaches, Mechanisms, and Performance. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
131	Quantum Mechanical-Based Stability Evaluation of Crystal Structures for HIV-Targeted Drug Cabotegravir. <i>Molecules</i> , 2021, 26, 7178.	1.7	1
132	Synthesis of novel layer-packed In ₂ O ₃ nanostructures and their application in gas sensor for detecting indoor air contaminants. , 2011, , .		0
133	Photonic Crystals: Template-Directed Directionally Solidified 3D Mesostructured AgCl-KCl Eutectic Photonic Crystals (<i>Adv. Mater.</i> 31/2015). <i>Advanced Materials</i> , 2015, 27, 4550-4550.	11.1	0
134	Synthesis of Uniform Alkane-Filled Capsules with a High Under-Cooling Performance and Their Real-Time Optical Properties. <i>Polymers</i> , 2019, 11, 199.	2.0	0
135	Encapsulating Tin Nanoflowers into Microcapsules for High-Rate-Performance Secondary Battery Anodes through In Situ Polymerizing Oil-in-Water Interface. <i>Energy Technology</i> , 2020, 8, 2070055.	1.8	0
136	A cataluminescence sensor for the detection of trichloroethylene based on PEG200/ZnO nanocomposite. <i>E3S Web of Conferences</i> , 2020, 212, 02004.	0.2	0
137	Peony-like Na ₂ Mg(CO ₃) ₂ : a nanomaterial with the characteristic of high sensitivity and rapid response for the detection of alcohols. <i>Micro and Nano Letters</i> , 2020, 15, 915-919.	0.6	0
138	Self-assembly of magnetic nanoparticles as one-dimensional sulfur host for stable lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022, 916, 116371.	1.9	0