

Hongyu Sun

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140
papers

4,652
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37
h-index

63
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149
ext. papers

5,416
ext. citations

6.8
avg, IF

5.76
L-index

#	Paper	IF	Citations
140	Three-dimensional assembly of single-layered MoS ₂ . <i>Advanced Materials</i> , 2014 , 26, 964-9	24	376
139	Synthesis of hierarchical flower-like ZnO nanostructures and their functionalization by Au nanoparticles for improved photocatalytic and high performance Li-ion battery anodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7723		336
138	Micro-/nanostructured Co ₃ O ₄ anode with enhanced rate capability for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7236-43	9.5	191
137	Mesoporous Co ₃ O ₄ sheets/3D graphene networks nanohybrids for high-performance sodium-ion battery anode. <i>Journal of Power Sources</i> , 2015 , 273, 878-884	8.9	151
136	Nitrogen-enriched electrospun porous carbon nanofiber networks as high-performance free-standing electrode materials. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19678-19684	13	143
135	Solid-State Thin-Film Supercapacitors with Ultrafast Charge/Discharge Based on N-Doped-Carbon-Tubes/Au-Nanoparticles-Doped-MnO ₂ Nanocomposites. <i>Nano Letters</i> , 2016 , 16, 40-7	11.5	141
134	Confined-interface-directed synthesis of Palladium single-atom catalysts on graphene/amorphous carbon. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 291-297	21.8	116
133	Core-shell ellipsoidal MnCo ₂ O ₄ anode with micro-/nano-structure and concentration gradient for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21325-34	9.5	102
132	Mesoporous Co ₃ O ₄ nanosheets-3D graphene networks hybrid materials for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 118, 1-9	6.7	98
131	Pt Nanoparticles Embedded in Colloidal Crystal Template Derived 3D Ordered Macroporous Ce _{0.6} Zr _{0.3} Y _{0.1} O ₂ : Highly Efficient Catalysts for Methane Combustion. <i>ACS Catalysis</i> , 2015 , 5, 1781-1793	13.1	90
130	Electrical breakdown of nanowires. <i>Nano Letters</i> , 2011 , 11, 4647-51	11.5	88
129	Morphology-controlled synthesis of Co ₃ O ₄ porous nanostructures for the application as lithium-ion battery electrode. <i>Electrochimica Acta</i> , 2013 , 89, 199-205	6.7	85
128	Electrochemically Seed-Mediated Synthesis of Sub-10 nm Tetrahedral Pt Nanocrystals Supported on Graphene with Improved Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5753-6	16.4	84
127	Ordered meso- and macroporous perovskite oxide catalysts for emerging applications. <i>Chemical Communications</i> , 2018 , 54, 6484-6502	5.8	75
126	Well-constructed single-layer molybdenum disulfide nanorose cross-linked by three dimensional-reduced graphene oxide network for superior water splitting and lithium storage property. <i>Scientific Reports</i> , 2015 , 5, 8722	4.9	73
125	Uniform Fe ₃ O ₄ microflowers hierarchical structures assembled with porous nanoplates as superior anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2016 , 389, 240-246	6.7	71
124	Three-Dimensionally Ordered Macroporous La _{0.6} Sr _{0.4} MnO ₃ Supported Ag Nanoparticles for the Combustion of Methane. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14913-14928	3.8	70

123	Morphology-controlled synthesis of ZnO 3D hierarchical structures and their photocatalytic performance. <i>CrystEngComm</i> , 2012 , 14, 8626	3.3	67
122	Porous mesocarbon microbeads with graphitic shells: constructing a high-rate, high-capacity cathode for hybrid supercapacitor. <i>Scientific Reports</i> , 2013 , 3, 2477	4.9	64
121	Enhanced photoluminescence and field-emission behavior of vertically well aligned arrays of In-doped ZnO Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1299-305	9.5	63
120	Simultaneous modulation of surface composition, oxygen vacancies and assembly in hierarchical CoO mesoporous nanostructures for lithium storage and electrocatalytic oxygen evolution. <i>Nanoscale</i> , 2017 , 9, 14431-14441	7.7	62
119	Nanoparticle Decorated Ultrathin Porous Nanosheets as Hierarchical Co ₃ O ₄ Nanostructures for Lithium Ion Battery Anode Materials. <i>Scientific Reports</i> , 2016 , 6, 20592	4.9	60
118	Meso-Molding Three-Dimensional Macroporous Perovskites: A New Approach to Generate High-Performance Nanohybrid Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2457-63	9.5	55
117	SnS ₂ nanoflakes decorated multiwalled carbon nanotubes as high performance anode materials for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2014 , 49, 319-324	5.1	55
116	Co ₉ S ₈ nanoparticles encapsulated in nitrogen-doped mesoporous carbon networks with improved lithium storage properties. <i>RSC Advances</i> , 2016 , 6, 31775-31781	3.7	54
115	SnO ₂ /ZnO composite structure for the lithium-ion battery electrode. <i>Journal of Solid State Chemistry</i> , 2012 , 196, 326-331	3.3	48
114	Polyoxometalate Cluster-Incorporated Metal-Organic Framework Hierarchical Nanotubes. <i>Small</i> , 2016 , 12, 2982-90	11	45
113	Lead-free double halide perovskite Cs ₃ BiBr ₆ with well-defined crystal structure and high thermal stability for optoelectronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3369-3374	7.1	45
112	Porous polyhedral and fusiform Co ₃ O ₄ anode materials for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 135, 420-427	6.7	44
111	Three-Dimensional ZnO Hierarchical Nanostructures: Solution Phase Synthesis and Applications. <i>Materials</i> , 2017 , 10,	3.5	44
110	3D anatase TiO ₂ hollow microspheres assembled with high-energy {001} facets for lithium-ion batteries. <i>RSC Advances</i> , 2012 , 2, 7901	3.7	44
109	Noble metal nanoparticle-functionalized ZnO nanoflowers for photocatalytic degradation of RhB dye and electrochemical sensing of hydrogen peroxide. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	44
108	Enhanced photocatalytic and electrochemical properties of Au nanoparticles supported TiO ₂ microspheres. <i>New Journal of Chemistry</i> , 2014 , 38, 1424	3.6	43
107	Recovery of lithium from the effluent obtained in the process of spent lithium-ion batteries recycling. <i>Journal of Environmental Management</i> , 2017 , 198, 84-89	7.9	41
106	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. <i>Nanoscale</i> , 2018 , 10, 7851-7859	7.7	39

105	3D network single-phase Ni _{0.9} Zn _{0.1} O as anode materials for lithium-ion batteries. <i>Nano Energy</i> , 2016 , 28, 338-345	17.1	38
104	Facile synthesis of single-crystal mesoporous CoNiO ₂ nanosheets assembled flowers as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 132, 404-409	6.7	38
103	Fe ₃ O ₄ @polyaniline yolk-shell micro/nanospheres as bifunctional materials for lithium storage and electromagnetic wave absorption. <i>Applied Surface Science</i> , 2018 , 427, 1054-1063	6.7	37
102	Micro-spherical CoCO ₃ anode for lithium-ion batteries. <i>Materials Letters</i> , 2014 , 131, 236-239	3.3	36
101	Magnetically Actuated Wormlike Nanomotors for Controlled Cargo Release. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26017-21	9.5	35
100	Porous Co ₃ O ₄ @CoO composite nanosheets as improved anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155030	5.7	35
99	Synthesis of porous MnCo ₂ O ₄ microspheres with yolk-shell structure induced by concentration gradient and the effect on their performance in electrochemical energy storage. <i>RSC Advances</i> , 2016 , 6, 10763-10774	3.7	32
98	A sandwich structure of mesoporous anatase TiO ₂ sheets and reduced graphene oxide and its application as lithium-ion battery electrodes. <i>RSC Advances</i> , 2014 , 4, 43039-43046	3.7	32
97	The control of the growth orientations of electrodeposited single-crystal nanowire arrays: a case study for hexagonal CdS. <i>Nanotechnology</i> , 2008 , 19, 225601	3.4	32
96	Defect engineering of oxide perovskites for catalysis and energy storage: synthesis of chemistry and materials science. <i>Chemical Society Reviews</i> , 2021 , 50, 10116-10211	58.5	31
95	Enhancement of the coercivity of electrodeposited nickel nanowire arrays. <i>Materials Letters</i> , 2007 , 61, 1859-1862	3.3	30
94	Polyaniline coated Fe ₃ O ₄ hollow nanospheres as anode materials for lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 915-922	5.8	29
93	Phosphate tuned copper electrodeposition and promoted formic acid selectivity for carbon dioxide reduction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11905-11916	13	29
92	Ultrahigh capacitive performance of three-dimensional electrode nanomaterials based on MnO ₂ nanocrystallines induced by doping Au through scale channels. <i>Nano Energy</i> , 2016 , 21, 39-50	17.1	29
91	Atomic ordering kinetics of FePt thin films: Nucleation and growth of L10 ordered domains. <i>Journal of Applied Physics</i> , 2007 , 101, 093911	2.5	29
90	Improved lithium storage properties of Co ₃ O ₄ nanoparticles via laser irradiation treatment. <i>Electrochimica Acta</i> , 2018 , 281, 31-38	6.7	28
89	Hierarchically porous indium oxide nanolamellas with ten-parts-per-billion-level formaldehyde-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 714-720	8.5	26
88	Preparation and electrochemical properties of mesoporous NiCoO double-hemisphere used as anode for lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , 2018 , 529, 357-365	9.3	25

87	Hierarchical CoNiO ₂ structures assembled from mesoporous nanosheets with tunable porosity and their application as lithium-ion battery electrodes. <i>New Journal of Chemistry</i> , 2014 , 38, 3084-3091	3.6	24
86	Enhanced high-frequency microwave absorption of Fe ₃ O ₄ architectures based on porous nanoflake. <i>Ceramics International</i> , 2017 , 43, 16013-16017	5.1	24
85	Enhanced Catalytic Efficiency of Pt Nanoparticles Supported on 3D Ordered Macro-/Mesoporous Ce _{0.6} Zr _{0.3} Y _{0.1} O ₂ for Methane Combustion. <i>Small</i> , 2015 , 11, 2366-71	11	24
84	Formation of graphene-like 2D spinel MnCo ₂ O ₄ and its lithium storage properties. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2937-2944	5.7	22
83	Pressure-induced preferential growth of nanocrystals in amorphous Nd(9)Fe(85)B(6). <i>Nanotechnology</i> , 2008 , 19, 285603	3.4	22
82	Ag TiO ₂ nanocomposite for environmental and sensing applications. <i>Materials Chemistry and Physics</i> , 2016 , 181, 194-203	4.4	22
81	Tuning lithium storage properties of cubic Co ₃ O ₄ crystallites: The effect of oxygen vacancies. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 720-727	5.7	22
80	Defective ZnCo ₂ O ₄ with Zn vacancies: Synthesis, property and electrochemical application. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 1149-1156	5.7	21
79	Controllable growth of electrodeposited single-crystal nanowire arrays: The examples of metal Ni and semiconductor ZnS. <i>Journal of Crystal Growth</i> , 2007 , 307, 472-476	1.6	21
78	Unhindered Brownian Motion of Individual Nanoparticles in Liquid-Phase Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , 2020 , 20, 7108-7115	11.5	21
77	Constructing aligned Fe ₂ O ₃ nanorods with internal void space anchored on reduced graphene oxide nanosheets for excellent lithium storage. <i>RSC Advances</i> , 2015 , 5, 91574-91580	3.7	19
76	Engineering the Surface/Interface Structures of Titanium Dioxide Micro and Nano Architectures towards Environmental and Electrochemical Applications. <i>Nanomaterials</i> , 2017 , 7,	5.4	19
75	Ag-Modified In ₂ O ₃ /ZnO Nanobundles with High Formaldehyde Gas-Sensing Performance. <i>Sensors</i> , 2015 , 15, 20086-96	3.8	19
74	Low-temperature synthesis of wurtzite ZnS single-crystal nanowire arrays. <i>Nanotechnology</i> , 2007 , 18, 115604	3.4	19
73	Engineering Surface Structure and Defect Chemistry of Nanoscale Cubic Co ₃ O ₄ Crystallites for Enhanced Lithium and Sodium Storage. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3892-3903	5.6	18
72	Chemical reduction-induced oxygen deficiency in Co ₃ O ₄ nanocubes as advanced anodes for lithium ion batteries. <i>Solid State Ionics</i> , 2019 , 334, 117-124	3.3	17
71	Mean Inner Potential of Liquid Water. <i>Physical Review Letters</i> , 2020 , 124, 065502	7.4	17
70	High-performance lithium storage based on the synergy of atomic-thickness nanosheets of TiO ₂ (B) and ultrafine Co ₃ O ₄ nanoparticles. <i>Journal of Power Sources</i> , 2017 , 363, 110-116	8.9	17

69	Pressure-induced transition-temperature reduction in ZnS nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 095304	3.0	17
68	Free-standing Ni-Co alloy nanowire arrays: Efficient and robust catalysts toward urea electro-oxidation. <i>Electrochimica Acta</i> , 2018 , 283, 1277-1283	6.7	16
67	Au nanoparticles decorated CuO nanowire arrays with enhanced photocatalytic properties. <i>Materials Letters</i> , 2013 , 108, 41-45	3.3	15
66	Low-voltage magnetoresistance in silicon. <i>Nature</i> , 2013 , 501, E1	50.4	15
65	Microstructure and magnetic behavior of electrodeposited CoPt thick films upon annealing. <i>Materials Letters</i> , 2008 , 62, 309-312	3.3	14
64	Continuous flow reduction of organic dyes over Pd-Fe alloy based fibrous catalyst in a fixed-bed system. <i>Chemical Engineering Science</i> , 2021 , 231, 116303	4.4	14
63	Fine control over the morphology and photocatalytic activity of 3D ZnO hierarchical nanostructures: capping vs. etching. <i>RSC Advances</i> , 2015 , 5, 56232-56238	3.7	13
62	Facile synthesis of Co ₃ O ₄ mesoporous nanosheets and their lithium storage properties. <i>Materials Letters</i> , 2014 , 125, 103-106	3.3	13
61	Enhanced field emission of ZnO nanoneedle arrays via solution etching at room temperature. <i>Materials Letters</i> , 2017 , 206, 162-165	3.3	13
60	Development of Silver Nanowires Based Highly Sensitive Amperometric Glucose Biosensor. <i>Electroanalysis</i> , 2015 , 27, 1498-1506	3	12
59	Chemical activation of hollow carbon nanospheres induced self-assembly of metallic 1T phase MoS ₂ ultrathin nanosheets for electrochemical lithium storage. <i>Electrochimica Acta</i> , 2020 , 353, 136545	6.7	12
58	Diameter- and current-density-dependent growth orientation of hexagonal CdSe nanowire arrays via electrodeposition. <i>Nanotechnology</i> , 2009 , 20, 425603	3.4	12
57	Hierarchical nanoflowers assembled with Au nanoparticles decorated ZnO nanosheets toward enhanced photocatalytic properties. <i>Materials Letters</i> , 2017 , 190, 185-187	3.3	11
56	Orientation Growth and Magnetic Properties of Electrochemical Deposited Nickel Nanowire Arrays. <i>Catalysts</i> , 2019 , 9, 152	4	11
55	Microwave assisted crystalline and morphology evolution of flower-like Fe ₂ O ₃ @ iron doped K-birnessite composite and its application for lithium ion storage. <i>Applied Surface Science</i> , 2020 , 525, 146513	6.7	11
54	Electron inelastic mean free path in water. <i>Nanoscale</i> , 2020 , 12, 20649-20657	7.7	11
53	In Situ Production of Graphene-Fiber Hybrid Structures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25474-25480	9.5	11
52	Silicon-Encapsulated Hollow Carbon Nanofiber Networks as Binder-Free Anodes for Lithium Ion Battery. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-10	3.2	11

51	Synthesis of ZnS hollow nanoneedles via the nanoscale Kirkendall effect. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 97-103	2.3	11
50	New spinel high-entropy oxides (FeCoNiCrMnXLi)3O4 (X = Cu, Mg, Zn) as the anode material for lithium-ion batteries. <i>Ceramics International</i> , 2021 , 47, 32025-32032	5.1	11
49	Engineering the surface of rutile TiO2 nanoparticles with quantum pits towards excellent lithium storage. <i>RSC Advances</i> , 2016 , 6, 66197-66203	3.7	10
48	Oxygen vacancies enhance lithium storage performance in ultralong vanadium pentoxide nanobelt cathodes. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 118-125	9.3	10
47	Fabrication and temperature dependent magnetic properties of NiCuCo composite nanowires. <i>Physica B: Condensed Matter</i> , 2015 , 475, 99-104	2.8	9
46	Confined Growth of ZIF-8 Nanocrystals with Tunable Structural Colors. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701270	4.6	9
45	Nucleation-promoted L10 ordering in FePt thin films with ultrasmall grain size. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 135009	3	9
44	Substrate-Assisted Encapsulation of Pd-Fe Bimetal Nanoparticles on Functionalized Silica Nanotubes for Catalytic Hydrogenation of Nitroarenes and Azo Dyes. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5854-5863	5.6	9
43	Highly Ordered 3D Silicon Micro-Mesh Structures Integrated with Nanowire Arrays: A Multifunctional Platform for Photodegradation, Photocurrent Generation, and Materials Conversion. <i>ChemNanoMat</i> , 2019 , 5, 92-100	3.5	9
42	Electronic structure modulation with ultrafine Fe3O4 nanoparticles on 2D Ni-based metal-organic framework layers for enhanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2022 , 65, 78-88	12	9
41	L10 phase transition in FePt thin films via direct interface reaction. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 235001	3	8
40	Enhanced coercivity in (Fe,Co)/(Nd,Pr)2Fe14B nanocomposite magnets via interfacial modification. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 155003	3	8
39	Nucleation and growth processes of Fe nanocrystals in amorphous NdFeBCoDy: In situ x-ray diffraction studies. <i>Applied Physics Letters</i> , 2005 , 86, 092501	3.4	8
38	One-pot hydrothermal synthesis of hollow Fe3O4 microspheres assembled with nanoparticles for lithium-ion battery anodes. <i>Materials Letters</i> , 2016 , 172, 76-80	3.3	8
37	Crystalline Planes templated engineering of defect chemistry in Cobalt(II, III) oxide anodes for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 850, 156858	5.7	8
36	Electrical transport properties of single crystal vanadium pentoxide nanowires. <i>Materials Chemistry and Physics</i> , 2015 , 159, 19-24	4.4	7
35	Optimizing oxygen vacancies can improve the lithium storage properties in NiO porous nanosheet anodes. <i>Materials Characterization</i> , 2020 , 166, 110447	3.9	7
34	Synthesis and characterization of multiwalled carbon nanotube/CdS core/shell heterostructures. <i>Solid State Communications</i> , 2010 , 150, 820-823	1.6	7

33	Recent advances of metal telluride anodes for high-performance lithium/sodium-ion batteries. <i>Materials Horizons</i> , 2021 ,	14.4	7
32	Ultrafast and Stable Lithium Storage Enabled by the Electric Field Effect in Layer-Structured Tablet-Like NHTiOF Mesocrystals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20404-20413	9.5	7
31	Space-confined creation of nanoframes in situ on reduced graphene oxide. <i>Small</i> , 2015 , 11, 1512-8	11	6
30	Interface reaction-accelerated L10 ordering of FePt thin films. <i>Scripta Materialia</i> , 2007 , 57, 77-80	5.6	6
29	Nanoscale niobium oxides anode for electrochemical lithium and sodium storage: a review of recent improvements. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 33-68	7.6	6
28	Graphene Oxide-Directed Tunable Assembly of MoS ₂ Ultrathin Nanosheets for Electrocatalytic Hydrogen Evolution. <i>ChemistrySelect</i> , 2017 , 2, 4696-4704	1.8	5
27	Enhanced conductivity of magnetorheological fluids based on silver coated carbonyl particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 255-259	2.1	5
26	Nanosized High Entropy Spinel Oxide (FeCoNiCrMn) 3O ₄ as a High-active and Ultra-stable Electrocatalyst for Oxygen Evolution Reaction. <i>Sustainable Energy and Fuels</i> ,	5.8	5
25	electrochemistry inside a TEM with controlled mass transport. <i>Nanoscale</i> , 2020 , 12, 22192-22201	7.7	5
24	Hydrazine hydrate reduction-induced oxygen vacancy formation in Co ₃ O ₄ porous nanosheets to optimize the electrochemical lithium storage. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157994	5.7	5
23	Self-assembly of flower-like LaNiAlO ₃ -supported nickel catalysts for CO methanation. <i>Catalysis Communications</i> , 2018 , 115, 40-44	3.2	4
22	Optical and photocatalytic properties of indium phosphide nanoneedles and nanotubes. <i>Materials Science in Semiconductor Processing</i> , 2017 , 68, 270-274	4.3	4
21	Hierarchical ultrathin rolled-up Co(OH)(CO ₃) _{0.5} films assembled on Ni _{0.25} Co _{0.75} S _x nanosheets for enhanced supercapacitive performance. <i>RSC Advances</i> , 2014 , 4, 57458-57462	3.7	4
20	Shape-controlled synthesis of metal nanocrystals/multiwalled carbon nanotubes hybrid structures via electrodeposition. <i>Materials Letters</i> , 2011 , 65, 3482-3485	3.3	4
19	Covalent Pinning of Highly Dispersed Ultrathin Metallic-Phase Molybdenum Disulfide Nanosheets on the Inner Surface of Mesoporous Carbon Spheres for Durable and Rapid Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
18	Catalysis: Enhanced Catalytic Efficiency of Pt Nanoparticles Supported on 3D Ordered Macro-/Mesoporous Ce _{0.6} Zr _{0.3} Y _{0.1} O ₂ for Methane Combustion (Small 20/2015). <i>Small</i> , 2015 , 11, 2365-2365	11	2
17	Assembly of multicomponent nanoframes via the synergistic actions of graphene oxide space confinement effect and oriented cation exchange. <i>Nanotechnology</i> , 2015 , 26, 445601	3.4	2
16	Solvothermal synthesis and structure of InP single-crystal nanoneedles and nanotubes. <i>Materials Letters</i> , 2014 , 129, 31-34	3.3	2

15	Tuning the phase composition in polymorphic Nb ₂ O ₅ nanoplates for rapid and stable lithium ion storage. <i>Electrochimica Acta</i> , 2021 , 399, 139368	6.7	2
14	Nanoscale Phase Engineering in Two-Dimensional Niobium Pentoxide Anodes toward Excellent Electrochemical Lithium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4551-4560	6.1	2
13	Frequency stable dielectric constant with reduced dielectric loss of one-dimensional ZnO-ZnS heterostructures. <i>Nanoscale</i> , 2021 , 13, 15711-15720	7.7	2
12	Ultrathin Metallic-Phase Molybdenum Disulfide Nanosheets Stabilized on Functionalized Carbon Nanotubes Via Covalent Interface Interaction for Sodium- and Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9440-9449	6.1	2
11	Lower-voltage plateau Zn-substituted Co ₃ O ₄ submicron spheres anode for Li-ion half and full batteries. <i>Journal of Alloys and Compounds</i> , 2022 , 890, 161888	5.7	2
10	Atomic ordering kinetics of FePt thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1141-3	1.3	1
9	Initiation and Progression of Anisotropic Galvanic Replacement Reactions in a Single Ag Nanowire: Implications for Nanostructure Synthesis. <i>ACS Applied Nano Materials</i> , 2021 , 4, 12346-12355	5.6	1
8	Thermal Expansion Behavior of Hexagonal ZnS Single-Crystal Nanowires Embedded in Anodized Aluminum Oxide Template. <i>Chinese Physics Letters</i> , 2010 , 27, 106201	1.8	1
7	Boosting the electrocatalytic hydrogen evolution and sodium-storage properties of Co ₉ S ₈ nanoparticles via encapsulation with nitrogen-doped few-layer graphene networks. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4618-4627	5.8	1
6	CoP Nanoparticles Fabricated Through the Nanoscale Kirkendall Effect Immobilized in 3D Hollow Carbon Frameworks for Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 094501	3.9	1
5	In-situ synthesis of niobium-doped TiO nanosheet arrays on double transition metal MXene (TiNbCT) as stable anode material for lithium-ion batteries.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 147-155	9.3	1
4	Preparation and magnetic properties of cylindrical permalloy nanowire arrays. <i>MRS Communications</i> , 2021 , 12, 27-31	2.7	0
3	Ultrathin metallic phase MoS ₂ nanosheets decorated hollow carbon spheres for sodium and potassium ions storage. <i>Solid State Ionics</i> , 2022 , 375, 115853	3.3	0
2	High-Throughput Wafer-Scale Wrinkle Patterning: a Single-Step Fabrication Process and Applications for Tunable Optical Transmittance. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3200-3206	4	0
1	Oxygen-deficient polymorphic Nb ₂ O ₅ micro/nanoscale three-dimensionally interconnected anodes with enhanced rate capability for lithium storage. <i>Journal of Alloys and Compounds</i> , 2022 , 911, 165064	5.7	0