

# Hongyu Sun

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140  
papers

4,652  
citations

37  
h-index

63  
g-index

149  
ext. papers

5,416  
ext. citations

6.8  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
140	Ultrathin metallic phase MoS <sub>2</sub> nanosheets decorated hollow carbon spheres for sodium and potassium ions storage. <i>Solid State Ionics</i> , <b>2022</b> , 375, 115853	3.3	0
139	Lower-voltage plateau Zn-substituted Co <sub>3</sub> O <sub>4</sub> submicron spheres anode for Li-ion half and full batteries. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 890, 161888	5.7	2
138	Electronic structure modulation with ultrafine Fe <sub>3</sub> O <sub>4</sub> nanoparticles on 2D Ni-based metal-organic framework layers for enhanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 65, 78-88	12	9
137	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> , <b>2022</b> , 617, 147-155	9.3	1
136	Oxygen-deficient polymorphic Nb <sub>2</sub> O <sub>5</sub> micro/nanoscale three-dimensionally interconnected anodes with enhanced rate capability for lithium storage. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 911, 165064	5.7	0
135	Recent advances of metal telluride anodes for high-performance lithium/sodium-ion batteries. <i>Materials Horizons</i> , <b>2021</b> ,	14.4	7
134	Initiation and Progression of Anisotropic Galvanic Replacement Reactions in a Single Ag Nanowire: Implications for Nanostructure Synthesis. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 12346-12355	5.6	1
133	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 &amp; Interfaces</i> , <b>2021</b> ,	9.5	3
132	Tuning the phase composition in polymorphic Nb <sub>2</sub> O <sub>5</sub> nanoplates for rapid and stable lithium ion storage. <i>Electrochimica Acta</i> , <b>2021</b> , 399, 139368	6.7	2
131	Nanoscale Phase Engineering in Two-Dimensional Niobium Pentoxide Anodes toward Excellent Electrochemical Lithium Storage. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 4551-4560	6.1	2
130	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> , <b>2021</b> , 4, 5854-5863	5.6	9
129	Crystalline Planes templated engineering of defect chemistry in Cobalt(II, III) oxide anodes for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 850, 156858	5.7	8
128	Continuous flow reduction of organic dyes over Pd-Fe alloy based fibrous catalyst in a fixed-bed system. <i>Chemical Engineering Science</i> , <b>2021</b> , 231, 116303	4.4	14
127	Hydrazine hydrate reduction-induced oxygen vacancy formation in Co <sub>3</sub> O <sub>4</sub> porous nanosheets to optimize the electrochemical lithium storage. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 861, 157994	5.7	5
126	Nanoscale niobium oxides anode for electrochemical lithium and sodium storage: a review of recent improvements. <i>Journal of Nanostructure in Chemistry</i> , <b>2021</b> , 11, 33-68	7.6	6
125	Frequency stable dielectric constant with reduced dielectric loss of one-dimensional ZnO-ZnS heterostructures. <i>Nanoscale</i> , <b>2021</b> , 13, 15711-15720	7.7	2
124	Defect engineering of oxide perovskites for catalysis and energy storage: synthesis of chemistry and materials science. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 10116-10211	58.5	31

123	Boosting the electrocatalytic hydrogen evolution and sodium-storage properties of Co <sub>9</sub> S <sub>8</sub> nanoparticles via encapsulation with nitrogen-doped few-layer graphene networks. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 4618-4627	5.8	1
122	High-Throughput Wafer-Scale Wrinkle Patterning: a Single-Step Fabrication Process and Applications for Tunable Optical Transmittance. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3200-3206	4	0
121	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> , <b>2021</b> , 4, 9440-9449	6.1	2
120	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> , <b>2021</b> , 168, 094501	3.9	1
119	New spinel high-entropy oxides (FeCoNiCrMnXLi) <sub>3</sub> O <sub>4</sub> (X = Cu, Mg, Zn) as the anode material for lithium-ion batteries. <i>Ceramics International</i> , <b>2021</b> , 47, 32025-32032	5.1	11
118	Microwave assisted crystalline and morphology evolution of flower-like Fe <sub>2</sub> O <sub>3</sub> @ iron doped K-birnessite composite and its application for lithium ion storage. <i>Applied Surface Science</i> , <b>2020</b> , 525, 146513	6.7	11
117	Chemical activation of hollow carbon nanospheres induced self-assembly of metallic 1T phase MoS <sub>2</sub> ultrathin nanosheets for electrochemical lithium storage. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136545	6.7	12
116	Optimizing oxygen vacancies can improve the lithium storage properties in NiO porous nanosheet anodes. <i>Materials Characterization</i> , <b>2020</b> , 166, 110447	3.9	7
115	Engineering Surface Structure and Defect Chemistry of Nanoscale Cubic Co <sub>3</sub> O <sub>4</sub> Crystallites for Enhanced Lithium and Sodium Storage. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3892-3903	5.6	18
114	Electron inelastic mean free path in water. <i>Nanoscale</i> , <b>2020</b> , 12, 20649-20657	7.7	11
113	Mean Inner Potential of Liquid Water. <i>Physical Review Letters</i> , <b>2020</b> , 124, 065502	7.4	17
112	Porous Co <sub>3</sub> O <sub>4</sub> @CoO composite nanosheets as improved anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 155030	5.7	35
111	Unhindered Brownian Motion of Individual Nanoparticles in Liquid-Phase Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , <b>2020</b> , 20, 7108-7115	11.5	21
110	electrochemistry inside a TEM with controlled mass transport. <i>Nanoscale</i> , <b>2020</b> , 12, 22192-22201	7.7	5
109	Ultrafast and Stable Lithium Storage Enabled by the Electric Field Effect in Layer-Structured Tablet-Like NHTiOF Mesocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20404-20413	9.5	7
108	Chemical reduction-induced oxygen deficiency in Co <sub>3</sub> O <sub>4</sub> nanocubes as advanced anodes for lithium ion batteries. <i>Solid State Ionics</i> , <b>2019</b> , 334, 117-124	3.3	17
107	Orientation Growth and Magnetic Properties of Electrochemical Deposited Nickel Nanowire Arrays. <i>Catalysts</i> , <b>2019</b> , 9, 152	4	11
106	Lead-free double halide perovskite Cs <sub>3</sub> BiBr <sub>6</sub> with well-defined crystal structure and high thermal stability for optoelectronics. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3369-3374	7.1	45

105	Tuning lithium storage properties of cubic Co <sub>3</sub> O <sub>4</sub> crystallites: The effect of oxygen vacancies. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 720-727	5.7	22
104	Highly Ordered 3D Silicon Micro-Mesh Structures Integrated with Nanowire Arrays: A Multifunctional Platform for Photodegradation, Photocurrent Generation, and Materials Conversion. <i>ChemNanoMat</i> , <b>2019</b> , 5, 92-100	3.5	9
103	Oxygen vacancies enhance lithium storage performance in ultralong vanadium pentoxide nanobelt cathodes. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 539, 118-125	9.3	10
102	Ordered meso- and macroporous perovskite oxide catalysts for emerging applications. <i>Chemical Communications</i> , <b>2018</b> , 54, 6484-6502	5.8	75
101	Confined Growth of ZIF-8 Nanocrystals with Tunable Structural Colors. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701270	4.6	9
100	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. <i>Nanoscale</i> , <b>2018</b> , 10, 7851-7859	7.7	39
99	Fe <sub>3</sub> O <sub>4</sub> @polyaniline yolk-shell micro/nanospheres as bifunctional materials for lithium storage and electromagnetic wave absorption. <i>Applied Surface Science</i> , <b>2018</b> , 427, 1054-1063	6.7	37
98	Free-standing Ni-Co alloy nanowire arrays: Efficient and robust catalysts toward urea electro-oxidation. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1277-1283	6.7	16
97	Self-assembly of flower-like LaNiAlO <sub>3</sub> -supported nickel catalysts for CO methanation. <i>Catalysis Communications</i> , <b>2018</b> , 115, 40-44	3.2	4
96	Confined-interface-directed synthesis of Palladium single-atom catalysts on graphene/amorphous carbon. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 225, 291-297	21.8	116
95	Improved lithium storage properties of Co <sub>3</sub> O <sub>4</sub> nanoparticles via laser irradiation treatment. <i>Electrochimica Acta</i> , <b>2018</b> , 281, 31-38	6.7	28
94	Preparation and electrochemical properties of mesoporous NiCoO double-hemisphere used as anode for lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 529, 357-365	9.3	25
93	Hierarchical nanoflowers assembled with Au nanoparticles decorated ZnO nanosheets toward enhanced photocatalytic properties. <i>Materials Letters</i> , <b>2017</b> , 190, 185-187	3.3	11
92	Polyaniline coated Fe <sub>3</sub> O <sub>4</sub> hollow nanospheres as anode materials for lithium ion batteries. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 915-922	5.8	29
91	Graphene Oxide-Directed Tunable Assembly of MoS <sub>2</sub> Ultrathin Nanosheets for Electrocatalytic Hydrogen Evolution. <i>ChemistrySelect</i> , <b>2017</b> , 2, 4696-4704	1.8	5
90	Phosphate tuned copper electrodeposition and promoted formic acid selectivity for carbon dioxide reduction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11905-11916	13	29
89	Recovery of lithium from the effluent obtained in the process of spent lithium-ion batteries recycling. <i>Journal of Environmental Management</i> , <b>2017</b> , 198, 84-89	7.9	41
88	Formation of graphene-like 2D spinel MnCo <sub>2</sub> O <sub>4</sub> and its lithium storage properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 2937-2944	5.7	22

87	Enhanced high-frequency microwave absorption of Fe <sub>3</sub> O <sub>4</sub> architectures based on porous nanoflake. <i>Ceramics International</i> , <b>2017</b> , 43, 16013-16017	5.1	24
86	Defective ZnCo <sub>2</sub> O <sub>4</sub> with Zn vacancies: Synthesis, property and electrochemical application. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 724, 1149-1156	5.7	21
85	High-performance lithium storage based on the synergy of atomic-thickness nanosheets of TiO <sub>2</sub> (B) and ultrafine Co <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 110-116	8.9	17
84	Optical and photocatalytic properties of indium phosphide nanoneedles and nanotubes. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 68, 270-274	4.3	4
83	In Situ Production of Graphene-Fiber Hybrid Structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25474-25480	9.5	11
82	Enhanced field emission of ZnO nanoneedle arrays via solution etching at room temperature. <i>Materials Letters</i> , <b>2017</b> , 206, 162-165	3.3	13
81	Simultaneous modulation of surface composition, oxygen vacancies and assembly in hierarchical CoO mesoporous nanostructures for lithium storage and electrocatalytic oxygen evolution. <i>Nanoscale</i> , <b>2017</b> , 9, 14431-14441	7.7	62
80	Three-Dimensional ZnO Hierarchical Nanostructures: Solution Phase Synthesis and Applications. <i>Materials</i> , <b>2017</b> , 10,	3.5	44
79	Engineering the Surface/Interface Structures of Titanium Dioxide Micro and Nano Architectures towards Environmental and Electrochemical Applications. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	19
78	3D network single-phase Ni <sub>0.9</sub> Zn <sub>0.1</sub> O as anode materials for lithium-ion batteries. <i>Nano Energy</i> , <b>2016</b> , 28, 338-345	17.1	38
77	Uniform Fe <sub>3</sub> O <sub>4</sub> microflowers hierarchical structures assembled with porous nanoplates as superior anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2016</b> , 389, 240-246	6.7	71
76	Nanoparticle Decorated Ultrathin Porous Nanosheets as Hierarchical Co <sub>3</sub> O <sub>4</sub> Nanostructures for Lithium Ion Battery Anode Materials. <i>Scientific Reports</i> , <b>2016</b> , 6, 20592	4.9	60
75	Engineering the surface of rutile TiO <sub>2</sub> nanoparticles with quantum pits towards excellent lithium storage. <i>RSC Advances</i> , <b>2016</b> , 6, 66197-66203	3.7	10
74	Synthesis of porous MnCo <sub>2</sub> O <sub>4</sub> microspheres with yolk-shell structure induced by concentration gradient and the effect on their performance in electrochemical energy storage. <i>RSC Advances</i> , <b>2016</b> , 6, 10763-10774	3.7	32
73	Ultrahigh capacitive performance of three-dimensional electrode nanomaterials based on MnO <sub>2</sub> nanocrystallines induced by doping Au through scale channels. <i>Nano Energy</i> , <b>2016</b> , 21, 39-50	17.1	29
72	Co <sub>9</sub> S <sub>8</sub> nanoparticles encapsulated in nitrogen-doped mesoporous carbon networks with improved lithium storage properties. <i>RSC Advances</i> , <b>2016</b> , 6, 31775-31781	3.7	54
71	Enhanced conductivity of magnetorheological fluids based on silver coated carbonyl particles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 255-259	2.1	5
70	Meso-Molding Three-Dimensional Macroporous Perovskites: A New Approach to Generate High-Performance Nanohybrid Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2457-63	9.5	55

69	Solid-State Thin-Film Supercapacitors with Ultrafast Charge/Discharge Based on N-Doped-Carbon-Tubes/Au-Nanoparticles-Doped-MnO <sub>2</sub> Nanocomposites. <i>Nano Letters</i> , <b>2016</b> , 16, 40-7	11.5	141
68	Ag TiO <sub>2</sub> nanocomposite for environmental and sensing applications. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 181, 194-203	4.4	22
67	Polyoxometalate Cluster-Incorporated Metal-Organic Framework Hierarchical Nanotubes. <i>Small</i> , <b>2016</b> , 12, 2982-90	11	45
66	Noble metal nanoparticle-functionalized ZnO nanoflowers for photocatalytic degradation of RhB dye and electrochemical sensing of hydrogen peroxide. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	44
65	One-pot hydrothermal synthesis of hollow Fe <sub>3</sub> O <sub>4</sub> microspheres assembled with nanoparticles for lithium-ion battery anodes. <i>Materials Letters</i> , <b>2016</b> , 172, 76-80	3.3	8
64	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> , <b>2016</b> , 138, 5753-6	16.4	84
63	Space-confined creation of nanoframes in situ on reduced graphene oxide. <i>Small</i> , <b>2015</b> , 11, 1512-8	11	6
62	Fabrication and temperature dependent magnetic properties of Ni <sub>2</sub> U <sub>2</sub> O <sub>7</sub> composite nanowires. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 475, 99-104	2.8	9
61	Fine control over the morphology and photocatalytic activity of 3D ZnO hierarchical nanostructures: capping vs. etching. <i>RSC Advances</i> , <b>2015</b> , 5, 56232-56238	3.7	13
60	Development of Silver Nanowires Based Highly Sensitive Amperometric Glucose Biosensor. <i>Electroanalysis</i> , <b>2015</b> , 27, 1498-1506	3	12
59	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> , <b>2015</b> , 5, 8722	4.9	73
58	Electrical transport properties of single crystal vanadium pentoxide nanowires. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 159, 19-24	4.4	7
57	Constructing aligned Fe <sub>2</sub> O <sub>3</sub> nanorods with internal void space anchored on reduced graphene oxide nanosheets for excellent lithium storage. <i>RSC Advances</i> , <b>2015</b> , 5, 91574-91580	3.7	19
56	Magnetically Actuated Wormlike Nanomotors for Controlled Cargo Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26017-21	9.5	35
55	Hierarchically porous indium oxide nanolamellas with ten-parts-per-billion-level formaldehyde-sensing performance. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 714-720	8.5	26
54	Mesoporous Co <sub>3</sub> O <sub>4</sub> sheets/3D graphene networks nanohybrids for high-performance sodium-ion battery anode. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 878-884	8.9	151
53	Catalysis: Enhanced Catalytic Efficiency of Pt Nanoparticles Supported on 3D Ordered Macro-/Mesoporous Ce <sub>0.6</sub> Zr <sub>0.3</sub> Y <sub>0.1</sub> O <sub>2</sub> for Methane Combustion (Small 20/2015). <i>Small</i> , <b>2015</b> , 11, 2365-2365	11	2
52	Assembly of multicomponent nanoframes via the synergistic actions of graphene oxide space confinement effect and oriented cation exchange. <i>Nanotechnology</i> , <b>2015</b> , 26, 445601	3.4	2

51	Ag-Modified In <sub>2</sub> O <sub>3</sub> /ZnO Nanobundles with High Formaldehyde Gas-Sensing Performance. <i>Sensors</i> , <b>2015</b> , 15, 20086-96	3.8	19
50	Enhanced Catalytic Efficiency of Pt Nanoparticles Supported on 3D Ordered Macro-/Mesoporous Ce <sub>0.6</sub> Zr <sub>0.3</sub> Y <sub>0.1</sub> O <sub>2</sub> for Methane Combustion. <i>Small</i> , <b>2015</b> , 11, 2366-71	11	24
49	Pt Nanoparticles Embedded in Colloidal Crystal Template Derived 3D Ordered Macroporous Ce <sub>0.6</sub> Zr <sub>0.3</sub> Y <sub>0.1</sub> O <sub>2</sub> : Highly Efficient Catalysts for Methane Combustion. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1781-1793 <sup>13.1</sup>	13.1	90
48	Three-dimensional assembly of single-layered MoS <sub>2</sub> . <i>Advanced Materials</i> , <b>2014</b> , 26, 964-9	24	376
47	Facile synthesis of single-crystal mesoporous CoNiO <sub>2</sub> nanosheets assembled flowers as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 404-409	6.7	38
46	Mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets-3D graphene networks hybrid materials for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 118, 1-9	6.7	98
45	Core-shell ellipsoidal MnCo <sub>2</sub> O <sub>4</sub> anode with micro-/nano-structure and concentration gradient for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21325-34	9.5	102
44	Nitrogen-enriched electrospun porous carbon nanofiber networks as high-performance free-standing electrode materials. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19678-19684	13	143
43	Enhanced photocatalytic and electrochemical properties of Au nanoparticles supported TiO <sub>2</sub> microspheres. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1424	3.6	43
42	Hierarchical CoNiO <sub>2</sub> structures assembled from mesoporous nanosheets with tunable porosity and their application as lithium-ion battery electrodes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3084-3091	3.6	24
41	A sandwich structure of mesoporous anatase TiO <sub>2</sub> sheets and reduced graphene oxide and its application as lithium-ion battery electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 43039-43046	3.7	32
40	Micro-/nanostructured Co <sub>3</sub> O <sub>4</sub> anode with enhanced rate capability for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7236-43	9.5	191
39	Three-Dimensionally Ordered Macroporous La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Supported Ag Nanoparticles for the Combustion of Methane. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14913-14928	3.8	70
38	Facile synthesis of Co <sub>3</sub> O <sub>4</sub> mesoporous nanosheets and their lithium storage properties. <i>Materials Letters</i> , <b>2014</b> , 125, 103-106	3.3	13
37	SnS <sub>2</sub> nanoflakes decorated multiwalled carbon nanotubes as high performance anode materials for lithium-ion batteries. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 319-324	5.1	55
36	Porous polyhedral and fusiform Co <sub>3</sub> O <sub>4</sub> anode materials for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 135, 420-427	6.7	44
35	Micro-spherical CoCO <sub>3</sub> anode for lithium-ion batteries. <i>Materials Letters</i> , <b>2014</b> , 131, 236-239	3.3	36
34	Silicon-Encapsulated Hollow Carbon Nanofiber Networks as Binder-Free Anodes for Lithium Ion Battery. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-10	3.2	11

33	Hierarchical ultrathin rolled-up Co(OH)(CO <sub>3</sub> ) <sub>0.5</sub> films assembled on Ni <sub>0.25</sub> Co <sub>0.75</sub> S <sub>x</sub> nanosheets for enhanced supercapacitive performance. <i>RSC Advances</i> , <b>2014</b> , 4, 57458-57462	3-7	4
32	Solvothermal synthesis and structure of InP single-crystal nanoneedles and nanotubes. <i>Materials Letters</i> , <b>2014</b> , 129, 31-34	3-3	2
31	Morphology-controlled synthesis of Co <sub>3</sub> O <sub>4</sub> porous nanostructures for the application as lithium-ion battery electrode. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 199-205	6-7	85
30	Au nanoparticles decorated CuO nanowire arrays with enhanced photocatalytic properties. <i>Materials Letters</i> , <b>2013</b> , 108, 41-45	3-3	15
29	Porous mesocarbon microbeads with graphitic shells: constructing a high-rate, high-capacity cathode for hybrid supercapacitor. <i>Scientific Reports</i> , <b>2013</b> , 3, 2477	4-9	64
28	Low-voltage magnetoresistance in silicon. <i>Nature</i> , <b>2013</b> , 501, E1	50-4	15
27	SnO <sub>2</sub> /ZnO composite structure for the lithium-ion battery electrode. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 326-331	3-3	48
26	Morphology-controlled synthesis of ZnO 3D hierarchical structures and their photocatalytic performance. <i>CrystEngComm</i> , <b>2012</b> , 14, 8626	3-3	67
25	3D anatase TiO <sub>2</sub> hollow microspheres assembled with high-energy {001} facets for lithium-ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 7901	3-7	44
24	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> , <b>2011</b> , 21, 7723		336
23	Enhanced photoluminescence and field-emission behavior of vertically well aligned arrays of In-doped ZnO Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1299-305	9-5	63
22	Electrical breakdown of nanowires. <i>Nano Letters</i> , <b>2011</b> , 11, 4647-51	11-5	88
21	Shape-controlled synthesis of metal nanocrystals/multiwalled carbon nanotubes hybrid structures via electrodeposition. <i>Materials Letters</i> , <b>2011</b> , 65, 3482-3485	3-3	4
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