

Yan Zhao

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.

174
papers

2,811
citations

27
h-index

42
g-index

202
ext. papers

3,999
ext. citations

6.5
avg, IF

5.76
L-index

#	Paper	IF	Citations
174	A facile surface alloy-engineering route to enable robust lithium metal anodes.. <i>Physical Chemistry Chemical Physics</i> , 2022 ,	3.6	1
173	Design of Quasi-MOF Nanospheres as a Dynamic Electrocatalyst toward Accelerated Sulfur Reduction Reaction for High-Performance Lithium-Sulfur Batteries (Adv. Mater. 2/2022). <i>Advanced Materials</i> , 2022 , 34, 2270015	24	
172	Sol-gel synthesized double perovskite Na(1-x)Gd(0.95+x/3)MgWO6: 5% Eu ³⁺ (0 ≤ x ≤ 0.5) phosphors with incommensurately modulated structure: Microstructures and luminescence properties. <i>Optics and Laser Technology</i> , 2022 , 150, 107947	4.2	0
171	Achieving superior lithium storage performances of CoMoO ₄ anode for lithium-ion batteries by Si-doping dual vacancies engineering. <i>Acta Materialia</i> , 2022 , 225, 117600	8.4	0
170	Facilitating the acidic oxygen reduction of Fe-N-C catalysts by fluorine-doping. <i>Materials Horizons</i> , 2021 ,	14.4	7
169	Porous ZnMn ₂ O ₄ hollow microrods: Facile construction and excellent electrochemical performances for lithium ion batteries. <i>Applied Surface Science</i> , 2021 , 578, 152087	6.7	3
168	Design of Quasi-MOF Nanospheres as a Dynamic Electrocatalyst toward Accelerated Sulfur Reduction Reaction for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , e2105541 ²⁴	24	18
167	Atomistic Modeling of PEDOT:PSS Complexes I: DFT Benchmarking. <i>Macromolecules</i> , 2021 , 54, 3634-3646	6.5	3
166	Bauna Activation toward Intrinsic Lattice Deficiency in Carbon Nanotube Microspheres for High-Energy and Long-Lasting Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2100497	21.8	16
165	Flexible All-Solid-State Supercapacitor Fabricated with Nitrogen-Doped Carbon Nanofiber Electrode Material Derived from Polyacrylonitrile Copolymer. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5830-5839 ²	6.1	
164	Active Site Identification and Interfacial Design of a MoP/N-Doped Carbon Catalyst for Efficient Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5486-5492	6.1	2
163	Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. <i>Nano Letters</i> , 2021 , 21, 4845-4852	11.5	15
162	Three-Dimensionally Ordered Macro/Mesoporous NbO/NbN Heterostructure as Sulfur Host for High-Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
161	Atomistic Modeling of PEDOT:PSS Complexes II: Force Field Parameterization. <i>Macromolecules</i> , 2021 , 54, 5354-5365	5.5	1
160	LiS Batteries: Bauna Activation toward Intrinsic Lattice Deficiency in Carbon Nanotube Microspheres for High-Energy and Long-Lasting Lithium-Sulfur Batteries (Adv. Energy Mater. 26/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170099	21.8	1
159	Diastereodivergent 1,3-Dipolar Cycloaddition of Fluoro-Unsaturated Arylketones and Azomethine Ylides: Experimental and Theoretical DFT Studies. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5530	3.2	1
158	On Extended Convex Functions via Incomplete Gamma Functions. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-7	0.8	

157	NiO nanoparticles decorated hexagonal Nickel-based metal-organic framework: Self-template synthesis and its application in electrochemical energy storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 709-718	9.3	19
156	Novel BaGe _{1-x} Si _x F ₆ : Mn ⁴⁺ (0 ≤ x ≤ 1) red phosphors for warm white LEDs: Hydrothermal synthesis and photoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156995	5.7	9
155	ZIF-8 derived ZnWO ₄ nanocrystals: Calcination temperature induced evolution of composition and microstructures, and their electrochemical performances as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2021 , 367, 137435	6.7	4
154	Novel graphitic carbon nitride g-C ₃ N ₄ as a promising platform to design efficient photocatalysts for dinitrogen reduction to ammonia: the first-principles investigation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20615-20625	13	3
153	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie</i> , 2021 , 133, 2401-2408	3.6	7
152	Amorphous/crystalline-heterostructured niobium oxide as two-in-one host matrix for high-performance lithium/sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11160-11167	13	6
151	Innenteilbild: Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process (Angew. Chem. 5/2021). <i>Angewandte Chemie</i> , 2021 , 133, 2198-2198	3.6	
150	Rational Construction of Sulfur-Deficient NiCo ₂ S ₄ Hollow Microspheres as an Effective Polysulfide Immobilizer toward High-Performance Lithium/Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1687-1695	6.1	13
149	ZnCo Zeolitic Imidazolate Framework Nanoparticles Intercalated in Graphene Nanosheets for Room-Temperature NO ₂ Sensing. <i>ACS Applied Nano Materials</i> , 2021 , 4, 3998-4006	5.6	5
148	Rational design of a cobalt sulfide nanoparticle-embedded flexible carbon nanofiber membrane electrocatalyst for advanced lithium-sulfur batteries. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
147	Design Zwitterionic Amorphous Conjugated Micro-/Mesoporous Polymer Assembled Nanotentacle as Highly Efficient Sulfur Electrocatalyst for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101926	21.8	10
146	Prussian blue analogs derived Fe-Ni-P@nitrogen-doped carbon composites as sulfur host for high-performance lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 595, 51-58	9.3	18
145	Tg-CN-coated functional separator as polysulfide barrier of high-performance lithium-sulfur batteries. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
144	Engineering Oversaturated Fe-N Multifunctional Catalytic Sites for Durable Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26622-26629	16.4	23
143	Highly active Fe centered FeM-N-doped carbon (M = Co/Ni/Mn): A general strategy for efficient oxygen conversion in Zn-air battery. <i>Chemical Engineering Journal</i> , 2021 , 424, 130559	14.7	16
142	Sandwich-like MoO ₃ /ZnCo ₂ O ₄ QDs@rGO/MoO ₃ hybrid nanosheets as high-performance anode for lithium-ion batteries. <i>Ceramics International</i> , 2021 , 47, 32118-32129	5.1	0
141	Novel double perovskite Na _{1-x} Eu _{1+x} /3MgWO ₆ (0 ≤ x ≤ 0.4) phosphors for white LEDs: Sol-gel controlled synthesis, microstructure and luminescence properties. <i>Journal of Alloys and Compounds</i> , 2021 , 887, 161343	5.7	3
140	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2371-2378	16.4	78

139	All-Purpose Electrodes: All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance LiS Batteries (Adv. Funct. Mater. 19/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070123	15.6	1
138	Nitrogen-, phosphorus-doped carbon-carbon nanotube CoP dodecahedra by controlling zinc content for high-performance electrocatalytic oxygen evolution. <i>Rare Metals</i> , 2020 , 39, 680-687	5.5	37
137	All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance LiS Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2000613	15.6	56
136	Rhombic dodecahedron-like CoMoO ₄ /C composite: A facile construction and excellent electrochemical performances for lithium-ion batteries. <i>Ceramics International</i> , 2020 , 46, 24257-24266	5.1	8
135	Eu ³⁺ -induced multicolor luminescence properties and enhanced thermal stability in the novel phosphors of Li _{0.1} Na _{0.9} Gd _{0.5} Tb _{0.5-x} Eu _x (MoO ₄) ₂ . <i>Journal of Luminescence</i> , 2020 , 222, 117116	3.8	5
134	Hierarchically Porous Carbon Derived from Biomass Reed Flowers as Highly Stable Li-Ion Battery Anode. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
133	Lithium-Sulfur Batteries: Low-Bandgap Se-Deficient Antimony Selenide as a Multifunctional Polysulfide Barrier toward High-Performance Lithium-Sulfur Batteries (Adv. Mater. 4/2020). <i>Advanced Materials</i> , 2020 , 32, 2070030	24	4
132	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. <i>Coordination Chemistry Reviews</i> , 2020 , 416, 213341	23.2	94
131	Low-Bandgap Se-Deficient Antimony Selenide as a Multifunctional Polysulfide Barrier toward High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020 , 32, e1904876	24	120
130	Na ₄ Mn ₉ O ₁₈ nanowires wrapped by reduced graphene oxide as efficient sulfur host material for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 111-119	2.6	8
129	Realization of superior electrochemical performances for ZnMoO ₄ anode material through the construction strategy of 3D flower-like single crystalline. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152673	5.7	12
128	Engineering the Conductive Network of Metal Oxide-Based Sulfur Cathode toward Efficient and Longevous Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2002076	21.8	60
127	Porous Si/FeO Dual Network Anode for Lithium-Ion Battery Application. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
126	Bi-Doped BaYF ₃ :Yb,Er Upconversion Nanoparticles with Enhanced Luminescence and Application Case for X-ray Computed Tomography Imaging. <i>Inorganic Chemistry</i> , 2020 , 59, 17906-17915	5.1	13
125	MoS ₂ /graphene composites: Fabrication and electrochemical energy storage. <i>Energy Storage Materials</i> , 2020 , 33, 470-502	19.4	36
124	The role of cell geometry when selecting tab or surface cooling to minimise cell degradation. <i>ETransportation</i> , 2020 , 5, 100073	12.7	12
123	Nitrogen-Deficient Graphitic Carbon Nitride/Carbon Nanotube as Polysulfide Barrier of High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2020 , 7, 4906-4912	4.3	8
122	In-situ N-doped MnCO ₃ anode material via one-step solvothermal synthesis: Doping mechanisms and enhanced electrochemical performances. <i>Chemical Engineering Journal</i> , 2020 , 383, 123161	14.7	26

121	Facile spray drying approach to synthesize Sb ₂ Se ₃ /rGO composite anode for lithium-ion battery. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	13
120	Flower-Like MoSe/MoO Composite with High Capacity and Long-Term Stability for Lithium-Ion Battery. <i>Nanomaterials</i> , 2019 , 9,	5.4	10
119	Sol-Gel Driving LiFe(MoO ₄) ₂ Microcrystals: High Capacity and Superior Cycling Stability for Anode Material in Lithium Ion Batteries. <i>Electronic Materials Letters</i> , 2019 , 15, 186-191	2.9	6
118	Localized Swelling Inhomogeneity Detection in Lithium Ion Cells Using Multi-Dimensional Laser Scanning. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A27-A34	3.9	12
117	A Compact Dual-Broadband Multiple-Input Multiple-Output (MIMO) Indoor Base Station Antenna for 2G/3G/LTE Systems. <i>IEEE Access</i> , 2019 , 7, 82238-82245	3.5	6
116	MnCO ₃ -RGO composite anode materials: In-situ solvothermal synthesis and electrochemical performances. <i>Electrochimica Acta</i> , 2019 , 317, 786-794	6.7	18
115	Carbon nanotubes/SiC prepared by catalytic chemical vapor deposition as scaffold for improved lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	5
114	A novel Li _{1/3} Sr _{1/3} Eu _{1/3} MoO ₄ red phosphor: Influences of sintering temperature on microstructures and luminescent properties. <i>Journal of Alloys and Compounds</i> , 2019 , 799, 334-344	5.7	4
113	Construction of Oxygen-Deficient La(OH) Nanorods Wrapped by Reduced Graphene Oxide for Polysulfide Trapping toward High-Performance Lithium/Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23271-23279	9.5	42
112	Synthesis of ZnO/Polypyrrole Nanoring Composite as High-Performance Anode Materials for Lithium Ion Batteries. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-8	3.2	1
111	Yb ³⁺ , Tm ³⁺ Co-doped NaY _{1-x} Gd _x F ₄ (0 ≤ x ≤ 1.00) microcrystals: Hydrothermal synthesis, evolution of microstructures and upconversion luminescence properties. <i>Journal of Luminescence</i> , 2019 , 211, 363-374	2.8	9
110	Temperature-induced phase transition, luminescence and magnetic properties of Eu ₂ (MoO ₄) ₃ microcrystal red phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7347-7358	2.1	2
109	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. <i>Inorganic Chemistry</i> , 2019 , 58, 4089-4092	5.1	16
108	A porous 3D-RGO@MWCNT hybrid material as Li-S battery cathode. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 514-521	3	4
107	A novel red phosphor of BaGe _{1-x} Ti _x F ₆ :Mn ⁴⁺ solid solution: facile hydrothermal controlled synthesis, microstructures and luminescent properties. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11265-11275	7.1	9
106	A Novel Hierarchically Porous Polypyrrole Sphere Modified Separator for Lithium-Sulfur Batteries. <i>Polymers</i> , 2019 , 11,	4.5	5
105	TiO ₂ /GO-coated functional separator to suppress polysulfide migration in lithium-sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1726-1736	3	9
104	How to Cool Lithium Ion Batteries: Optimising Cell Design using a Thermally Coupled Model. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A2849-A2859	3.9	23

103	Sr ₂ NO/CNTs Microspheres Prepared by Spray Drying for Improved Cathodes in Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019 , 6, 3454-3459	4.3	11
102	The Cell Cooling Coefficient: A Standard to Define Heat Rejection from Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A2383-A2395	3.9	24
101	CoZnMoO/C Nanosheet Composite: Rational Construction via a One-Stone-Three-Birds Strategy and Superior Lithium Storage Performances for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42139-42148	9.5	20
100	TiO/Porous Carbon Composite-Decorated Separators for Lithium/Sulfur Battery. <i>Nanoscale Research Letters</i> , 2019 , 14, 176	5	19
99	Hierarchical Rambutan-Like CNTs-Assembled NiCo@rGO Composite as Sulfur Immobilizer for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019 , 6, 4565-4570	4.3	9
98	Copper-based materials as highly active electrocatalysts for the oxygen evolution reaction. <i>Materials Today Chemistry</i> , 2019 , 11, 169-196	6.2	27
97	Functional separator for Li/S batteries based on boron-doped graphene and activated carbon. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	5
96	TiO ₂ nanoparticles anchored on three-dimensionally ordered macro/mesoporous carbon matrix as polysulfides immobilizers for high performance lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 565-572	2.6	9
95	. <i>IEEE Access</i> , 2018 , 6, 9420-9429	3.5	26
94	Novel Ba(Gd _{1-x} Y _x) _{0.78} F ₅ : 20 mol% Yb ³⁺ , 2 mol% Tm ³⁺ (0 ≤ x ≤ 1.0) solid solution nanocrystals: A facile hydrothermal controlled synthesis, enhanced upconversion luminescent and paramagnetic properties. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 1204-1214	5.7	7
93	Preparation and Electrochemical Performance of Li ₄ Mn ₅ O ₁₂ Nanorods using MnO ₂ Nanorods as Precursor. <i>Journal of Electronic Materials</i> , 2018 , 47, 3387-3391	1.9	1
92	Degradation of thin-film lithium batteries characterised by improved potentiometric measurement of entropy change. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11378-11385	3.6	3
91	Nitrogen-doped carbon nanotubes coated with zinc oxide nanoparticles as sulfur encapsulator for high-performance lithium/sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1677-1685	3	8
90	Synthesis of a Flexible Freestanding Sulfur/Polyacrylonitrile/Graphene Oxide as the Cathode for Lithium/Sulfur Batteries. <i>Polymers</i> , 2018 , 10,	4.5	9
89	Preparation of Hierarchical Porous Carbon from Waterweed and Its Application in Lithium/Sulfur Batteries. <i>Energies</i> , 2018 , 11, 1535	3.1	5
88	Synthesis of the ZnO@ZnS Nanorod for Lithium-Ion Batteries. <i>Energies</i> , 2018 , 11, 2117	3.1	8
87	La _{2-x} EuxMo ₂ O ₉ (0 ≤ x ≤ 0.6) solid solution microcrystals: facile hydrothermal derived synthesis, microstructures and luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12932-12943	2.1	2
86	A novel NiCoMnO ₄ anode material: Construction of nanosheet architecture and superior electrochemical performances. <i>Scripta Materialia</i> , 2018 , 146, 13-17	5.6	11

85	Two-Dimensional CeO/RGO Composite-Modified Separator for Lithium/Sulfur Batteries. <i>Nanoscale Research Letters</i> , 2018 , 13, 377	5	19
84	Preparation of ZnO Nanorods/Graphene Composite Anodes for High-Performance Lithium-Ion Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	21
83	One-Dimensional Sb ₂ Se ₃ Nanorods Synthesized through a Simple Polyol Process for High-Performance Lithium-Ion Batteries. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-9	3.2	2
82	Sintering Temperature Induced Evolution of Microstructures and Enhanced Electrochemical Performances: Sol-Gel Derived LiFe(MoO) Microcrystals as a Promising Anode Material for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2018 , 6, 492	5	3
81	Preparation and Electrochemical Properties of Pomegranate-Shaped FeO/C Anodes for Li-ion Batteries. <i>Nanoscale Research Letters</i> , 2018 , 13, 344	5	7
80	Na(1-x)Lix(Gd _{0.39} Y _{0.39} Yb _{0.2} Er _{0.02})F ₄ (0 ≤ x ≤ 1) Solid Solution Microcrystals: Li/Na Ratio-Induced Transition of Crystalline Phase and Morphology and Their Enhanced Upconversion Emission. <i>Crystal Growth and Design</i> , 2018 , 18, 6581-6590	3.5	14
79	Modeling the Effects of Thermal Gradients Induced by Tab and Surface Cooling on Lithium Ion Cell Performance. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3169-A3178	3.9	44
78	A 3D MoS ₂ /Graphene Microsphere Coated Separator for Excellent Performance Li-S Batteries. <i>Materials</i> , 2018 , 11,	3.5	10
77	Mn ₃ O ₄ Octahedral Microparticles Prepared by Facile Dealloying Process as Efficient Sulfur Hosts for Lithium/Sulfur Batteries. <i>Metals</i> , 2018 , 8, 515	2.3	2
76	High Electrochemical Performance of Nanotube Structured ZnS as Anode Material for Lithium-Ion Batteries. <i>Materials</i> , 2018 , 11,	3.5	7
75	Effect of Eu/Ca ratio on the crystalline phase, morphology and luminescent properties of Ca ₂ -1.5xEu _x (MoO ₄) ₂ (0 ≤ x ≤ 1/3) ceramics phosphors. <i>Materials Research Bulletin</i> , 2018 , 108, 51-60	5.1	10
74	Relativistic finite-difference time-domain analysis of high-speed moving metamaterials. <i>Scientific Reports</i> , 2018 , 8, 7686	4.9	3
73	Potentiometric measurement of entropy change for lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9833-9842	3.6	31
72	Fabrication, microstructures, luminescent and magnetic properties of LiFe(WO ₄) ₂ microcrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 5584-5591	2.1	2
71	Trisodium citrate assisted synthesis of flowerlike hierarchical Co ₃ O ₄ nanostructures with enhanced catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 516, 106-114	5.1	10
70	NaMnO/Carbon Nanotube Composite as a High Electrochemical Performance Material for Aqueous Sodium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2017 , 12, 569	5	14
69	Enhanced electrochemical performance of sulfur/polyacrylonitrile composite by carbon coating for lithium/sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	22
68	Biomass Derived Nitrogen-Doped Highly Porous Carbon Material with a Hierarchical Porous Structure for High-Performance Lithium/Sulfur Batteries. <i>Materials</i> , 2017 , 10,	3.5	21

67	3D flower-like MnCO ₃ microcrystals: evolution mechanisms of morphology and enhanced electrochemical performances. <i>Electrochimica Acta</i> , 2017 , 251, 119-128	6.7	42
66	Self-sacrificed template synthesis of ribbon-like hexagonal boron nitride nano-architectures and their improvement on mechanical and thermal properties of PHA polymer. <i>Scientific Reports</i> , 2017 , 7, 9006	4.9	4
65	Aqueous synthesis of molybdenum trioxide (h-MoO ₃ , β -MoO ₃ ·H ₂ O and h- β -MoO ₃ composites) and their photochromic properties study. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1290-1296	5.7	35
64	Facile Synthesis of SiO@C Nanoparticles Anchored on MWNT as High-Performance Anode Materials for Li-ion Batteries. <i>Nanoscale Research Letters</i> , 2017 , 12, 459	5	25
63	Preventing lithium ion battery failure during high temperatures by externally applied compression. <i>Journal of Energy Storage</i> , 2017 , 13, 296-303	7.8	30
62	Facile Synthesis of ZnO Nanoparticles on Nitrogen-Doped Carbon Nanotubes as High-Performance Anode Material for Lithium-Ion Batteries. <i>Materials</i> , 2017 , 10,	3.5	9
61	Electrochemical Properties of an NaMnO ₂ -Reduced Graphene Oxide Composite Synthesized via Spray Drying for an Aqueous Sodium-Ion Battery. <i>Nanomaterials</i> , 2017 , 7,	5.4	10
60	Biomass Waste Inspired Highly Porous Carbon for High Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2017 , 7,	5.4	22
59	Study on the oxidation process of cobalt hydroxide to cobalt oxides at low temperatures. <i>RSC Advances</i> , 2016 , 6, 80059-80064	3.7	33
58	Surface Cooling Causes Accelerated Degradation Compared to Tab Cooling for Lithium-Ion Pouch Cells. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A1846-A1852	3.9	87
57	Random vibration analysis for coupled vehicle-track systems with uncertain parameters. <i>Engineering Computations</i> , 2016 , 33,	1.4	4
56	Solution inheritance of Co ₂ O ₄ ·2H ₂ O rods to nanoparticle-assembled Co ₃ O ₄ rods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 490, 307-317	5.1	8
55	Facile and Efficient Synthesis of Bismuth Nanowires for Improved Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2016 , 55, 4897-905	5.1	21
54	Hierarchical Bi based nanobundles: an excellent photocatalyst for visible-light degradation of Rhodamine B dye. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 564-72	9.3	12
53	Dynamic loading history and collapse analysis of the pipe during deepwater S-lay operation. <i>Marine Structures</i> , 2015 , 40, 183-192	3.8	16
52	Aqueous Synthesis and Visible-Light Photochromism of Metastable h-WO ₃ Hierarchical Nanostructures. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2804-2812	2.3	25
51	Induced Aqueous Synthesis of Metastable β -Bi ₂ O ₃ Microcrystals for Visible-Light Photocatalyst Study. <i>Crystal Growth and Design</i> , 2015 , 15, 1031-1042	3.5	88
50	Aqueous Crystallization Strategy for Metastable h-MoO ₃ Crystals with Polyvinylpyrrolidone Induction. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3322-3329	2.3	12

49	Identification of the power spectral density of vertical track irregularities based on inverse pseudo-excitation method and symplectic mathematical method. <i>Inverse Problems in Science and Engineering</i> , 2014 , 22, 334-350	1.3	4
48	Design and Implementation of Secure and Reliable Communication using Optical Wireless Communication. <i>Frequenz</i> , 2014 , 68,	0.6	5
47	Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 867-875	1.2	13
46	Evanescent wave amplification and subwavelength imaging by ultrathin uniaxial near-zero material. <i>AIP Advances</i> , 2014 , 4, 027115	1.5	2
45	Li4Mn5O12 prepared using l-lysine as additive and its electrochemical performance. <i>Ionics</i> , 2013 , 19, 1483-1487	2.7	11
44	SiO2 capsulized Cu active nanoparticles: synthesis and activity study. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8029	13	6
43	Riding comfort optimization of railway trains based on pseudo-excitation method and symplectic method. <i>Journal of Sound and Vibration</i> , 2013 , 332, 5255-5270	3.9	29
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