

# Yan Zhao

## List of Publications by Citations

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174  
papers

2,811  
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27  
h-index

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g-index

202  
ext. papers

3,999  
ext. citations

6.5  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
174	Low-Bandgap Se-Deficient Antimony Selenide as a Multifunctional Polysulfide Barrier toward High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1904876	24	120
173	Accurate and highly efficient algorithms for structural stationary/non-stationary random responses. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2001</b> , 191, 103-111	5.7	103
172	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 416, 213341	23.2	94
171	Induced Aqueous Synthesis of Metastable Bi <sub>2</sub> O <sub>3</sub> Microcrystals for Visible-Light Photocatalyst Study. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1031-1042	3.5	88
170	Surface Cooling Causes Accelerated Degradation Compared to Tab Cooling for Lithium-Ion Pouch Cells. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, A1846-A1852	3.9	87
169	Full-wave finite-difference time-domain simulation of electromagnetic cloaking structures. <i>Optics Express</i> , <b>2008</b> , 16, 6717-30	3.3	87
168	Room temperature synthesis of 2D CuO nanoleaves in aqueous solution. <i>Nanotechnology</i> , <b>2011</b> , 22, 115604	5.4	85
167	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> , <b>2021</b> , 60, 2371-2378	16.4	78
166	Engineering the Conductive Network of Metal Oxide-Based Sulfur Cathode toward Efficient and Longevous Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002076	21.8	60
165	All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance LiS Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000613	15.6	56
164	A state space force identification method based on Markov parameters precise computation and regularization technique. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 3008-3019	3.9	53
163	Modeling the Effects of Thermal Gradients Induced by Tab and Surface Cooling on Lithium Ion Cell Performance. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A3169-A3178	3.9	44
162	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 &amp; Interfaces</i> , <b>2019</b> , 11, 23271-23279	9.5	42
161	3D flower-like MnCO <sub>3</sub> microcrystals: evolution mechanisms of morphology and enhanced electrochemical performances. <i>Electrochimica Acta</i> , <b>2017</b> , 251, 119-128	6.7	42
160	A fingerprinting-based indoor localization system using intensity modulation of light emitting diodes. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1218-1227	1.2	42
159	Nitrogen-, phosphorus-doped carbon-carbon nanotube CoP dodecahedra by controlling zinc content for high-performance electrocatalytic oxygen evolution. <i>Rare Metals</i> , <b>2020</b> , 39, 680-687	5.5	37
158	MoS <sub>2</sub> /graphene composites: Fabrication and electrochemical energy storage. <i>Energy Storage Materials</i> , <b>2020</b> , 33, 470-502	19.4	36

157	Aqueous synthesis of molybdenum trioxide (h-MoO <sub>3</sub> , h-MoO <sub>3</sub> ·H <sub>2</sub> O and h-/h-MoO <sub>3</sub> composites) and their photochromic properties study. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 693, 1290-1296	5.7	35
156	A Radially-Dependent Dispersive Finite-Difference Time-Domain Method for the Evaluation of Electromagnetic Cloaks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 1432-1441	4.9	34
155	Study on the oxidation process of cobalt hydroxide to cobalt oxides at low temperatures. <i>RSC Advances</i> , <b>2016</b> , 6, 80059-80064	3.7	33
154	Finite-Difference Time-Domain Study of Guided Modes in Nano-Plasmonic Waveguides. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 3070-3077	4.9	33
153	Symplectic random vibration analysis of a vehicle moving on an infinitely long periodic track. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 4440-4454	3.9	32
152	Potentiometric measurement of entropy change for lithium batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9833-9842	3.6	31
151	Preventing lithium ion battery failure during high temperatures by externally applied compression. <i>Journal of Energy Storage</i> , <b>2017</b> , 13, 296-303	7.8	30
150	Riding comfort optimization of railway trains based on pseudo-excitation method and symplectic method. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 5255-5270	3.9	29
149	Synthesis, growth mechanism of different Cu nanostructures and their application for non-enzymatic glucose sensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 409, 105-111	5.1	29
148	Copper-based materials as highly active electrocatalysts for the oxygen evolution reaction. <i>Materials Today Chemistry</i> , <b>2019</b> , 11, 169-196	6.2	27
147	. <i>IEEE Access</i> , <b>2018</b> , 6, 9420-9429	3.5	26
146	In-situ N-doped MnCO <sub>3</sub> anode material via one-step solvothermal synthesis: Doping mechanisms and enhanced electrochemical performances. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123161	14.7	26
145	Facile Synthesis of SiO@C Nanoparticles Anchored on MWNT as High-Performance Anode Materials for Li-ion Batteries. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 459	5	25
144	Aqueous Synthesis and Visible-Light Photochromism of Metastable h-WO <sub>3</sub> Hierarchical Nanostructures. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 2804-2812	2.3	25
143	Accurate modelling of left-handed metamaterials using a finite-difference time-domain method with spatial averaging at the boundaries. <i>Journal of Optics</i> , <b>2007</b> , 9, S468-S475		25
142	Metal-Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2100346	21.8	25
141	The Cell Cooling Coefficient: A Standard to Define Heat Rejection from Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A2383-A2395	3.9	24
140	Full-wave parallel dispersive finite-difference time-domain modeling of three-dimensional electromagnetic cloaking structures. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 7300-7312	4.1	24

139	How to Cool Lithium Ion Batteries: Optimising Cell Design using a Thermally Coupled Model. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A2849-A2859	3.9	23
138	Engineering Oversaturated Fe-N Multifunctional Catalytic Sites for Durable Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26622-26629	16.4	23
137	Enhanced electrochemical performance of sulfur/polyacrylonitrile composite by carbon coating for lithium/sulfur batteries. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	22
136	Biomass Waste Inspired Highly Porous Carbon for High Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	22
135	Biomass Derived Nitrogen-Doped Highly Porous Carbon Material with a Hierarchical Porous Structure for High-Performance Lithium/Sulfur Batteries. <i>Materials</i> , <b>2017</b> , 10,	3.5	21
134	FDTD Characterization of UWB Indoor Radio Channel Including Frequency Dependent Antenna Directivities. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 191-194	3.8	21
133	Facile and Efficient Synthesis of Bismuth Nanowires for Improved Photocatalytic Activity. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4897-905	5.1	21
132	Preparation of ZnO Nanorods/Graphene Composite Anodes for High-Performance Lithium-Ion Batteries. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	21
131	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 &amp; Interfaces</i> , <b>2019</b> , 11, 42139-42148	9.5	20
130	Random vibration of a train traversing a bridge subjected to traveling seismic waves. <i>Engineering Structures</i> , <b>2011</b> , 33, 3546-3558	4.7	20
129	TiO/Porous Carbon Composite-Decorated Separators for Lithium/Sulfur Battery. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 176	5	19
128	Modelling of Wave Propagation in Wire Media Using Spatially Dispersive Finite-Difference Time-Domain Method: Numerical Aspects. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 1506-1513 <sup>19</sup>	4.9	19
127	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> , <b>2021</b> , 581, 709-718	9.3	19
126	Two-Dimensional CeO/RGO Composite-Modified Separator for Lithium/Sulfur Batteries. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 377	5	19
125	MnCO <sub>3</sub> -RGO composite anode materials: In-situ solvothermal synthesis and electrochemical performances. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 786-794	6.7	18
124	Design of Quasi-MOF Nanospheres as a Dynamic Electrocatalyst toward Accelerated Sulfur Reduction Reaction for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2021</b> , e2105541 <sup>24</sup>		18
123	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> , <b>2021</b> , 595, 51-58	9.3	18
122	Non-stationary random vibration of a coupled vehicle-lab track system using a parallel algorithm based on the pseudo excitation method. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , <b>2013</b> , 227, 203-216	1.4	17

121	Spatially dispersive finite-difference time-domain analysis of sub-wavelength imaging by the wire medium slabs. <i>Optics Express</i> , <b>2006</b> , 14, 5154-67	3.3	17
120	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4089-4092	5.1	16
119	Dynamic loading history and collapse analysis of the pipe during deepwater S-lay operation. <i>Marine Structures</i> , <b>2015</b> , 40, 183-192	3.8	16
118	Bauna Activation toward Intrinsic Lattice Deficiency in Carbon Nanotube Microspheres for High-Energy and Long-Lasting Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100497	21.8	16
117	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> , <b>2021</b> , 424, 130559	14.7	16
116	Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. <i>Nano Letters</i> , <b>2021</b> , 21, 4845-4852	11.5	15
115	Significantly enhancing the dielectric constant and breakdown strength of linear dielectric polymers by utilizing ultralow loadings of nanofillers. <i>Journal of Materials Chemistry A</i> ,	13	15
114	NaMnO/Carbon Nanotube Composite as a High Electrochemical Performance Material for Aqueous Sodium-Ion Batteries. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 569	5	14
113	An Efficient FDTD Algorithm Based on the Equivalence Principle for Analyzing Onbody Antenna Performance. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 1006-1014	4.9	14
112	Na(1-x)Lix(Gd0.39Y0.39Yb0.2Er0.02)F4 (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> , <b>2018</b> , 18, 6581-6590	3.5	14
111	Facile spray drying approach to synthesize Sb2Se3/rGO composite anode for lithium-ion battery. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	13
110	Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 867-875	1.2	13
109	Effect of surfactants on fabricating CuO nanoleaves and Cu nanocages at room temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 436, 34-40	5.1	13
108	Bi-Doped BaYF:Yb,Er Upconversion Nanoparticles with Enhanced Luminescence and Application Case for X-ray Computed Tomography Imaging. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17906-17915	5.1	13
107	Rational Construction of Sulfur-Deficient NiCo2S4 Hollow Microspheres as an Effective Polysulfide Immobilizer toward High-Performance Lithium/Sulfur Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1687-1695	6.1	13
106	Localized Swelling Inhomogeneity Detection in Lithium Ion Cells Using Multi-Dimensional Laser Scanning. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A27-A34	3.9	12
105	Hierarchical Bi based nanobundles: an excellent photocatalyst for visible-light degradation of Rhodamine B dye. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 448, 564-72	9.3	12
104	Aqueous Crystallization Strategy for Metastable h-MoO3 Crystals with Polyvinylpyrrolidone Induction. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3322-3329	2.3	12

103	Controlled Synthesis of CaWO <sub>4</sub> Microcrystalline via Surfactant-Assisted Precipitation Method. <i>Integrated Ferroelectrics</i> , <b>2013</b> , 142, 7-15	0.8	12
102	Realization of superior electrochemical performances for ZnMoO <sub>4</sub> anode material through the construction strategy of 3D flower-like single crystalline. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152673	5.7	12
101	The role of cell geometry when selecting tab or surface cooling to minimise cell degradation. <i>ETransportation</i> , <b>2020</b> , 5, 100073	12.7	12
100	Density Functional Theory for Electrocatalysis. <i>Energy and Environmental Materials</i> ,	13	12
99	Sr <sub>2</sub> NO/CNTs Microspheres Prepared by Spray Drying for Improved Cathodes in Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3454-3459	4.3	11
98	Li <sub>4</sub> Mn <sub>5</sub> O <sub>12</sub> prepared using l-lysine as additive and its electrochemical performance. <i>Ionics</i> , <b>2013</b> , 19, 1483-1487	2.7	11
97	A novel NiCoMnO <sub>4</sub> anode material: Construction of nanosheet architecture and superior electrochemical performances. <i>Scripta Materialia</i> , <b>2018</b> , 146, 13-17	5.6	11
96	Trisodium citrate assisted synthesis of flowerlike hierarchical Co <sub>3</sub> O <sub>4</sub> nanostructures with enhanced catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 516, 106-114	5.1	10
95	Flower-Like MoSe <sub>2</sub> /MoO <sub>3</sub> Composite with High Capacity and Long-Term Stability for Lithium-Ion Battery. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	10
94	Electrochemical Properties of an Na <sub>2</sub> MnO <sub>4</sub> -Reduced Graphene Oxide Composite Synthesized via Spray Drying for an Aqueous Sodium-Ion Battery. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	10
93	Robust H <sub>2</sub> Control for aseismic structures with uncertainties in model parameters. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2007</b> , 6, 409-416	2	10
92	A 3D MoS <sub>2</sub> /Graphene Microsphere Coated Separator for Excellent Performance Li-S Batteries. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
91	Effect of Eu/Ca ratio on the crystalline phase, morphology and luminescent properties of Ca <sub>2-1.5x</sub> Eu <sub>x</sub> (MoO <sub>4</sub> ) <sub>2</sub> (0 ≤ x ≤ 1/3) ceramics phosphors. <i>Materials Research Bulletin</i> , <b>2018</b> , 108, 51-60	5.1	10
90	Design Zwitterionic Amorphous Conjugated Micro-/Mesoporous Polymer Assembled Nanotentacle as Highly Efficient Sulfur Electrocatalyst for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101926	21.8	10
89	Yb <sup>3+</sup> , Tm <sup>3+</sup> Co-doped NaY <sub>1-x</sub> Gd <sub>x</sub> F <sub>4</sub> (0 ≤ x ≤ 1.00) microcrystals: Hydrothermal synthesis, evolution of microstructures and upconversion luminescence properties. <i>Journal of Luminescence</i> , <b>2019</b> , 211, 363-374	2.8	9
88	Hierarchically Porous Carbon Derived from Biomass Reed Flowers as Highly Stable Li-Ion Battery Anode. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
87	Synthesis of a Flexible Freestanding Sulfur/Polyacrylonitrile/Graphene Oxide as the Cathode for Lithium/Sulfur Batteries. <i>Polymers</i> , <b>2018</b> , 10,	4.5	9
86	A novel red phosphor of BaGe <sub>1-x</sub> Ti <sub>x</sub> F <sub>6</sub> :Mn <sup>4+</sup> solid solution: facile hydrothermal controlled synthesis, microstructures and luminescent properties. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11265-11275	7.1	9



85	TiO/GO-coated functional separator to suppress polysulfide migration in lithium-sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1726-1736	3	9
84	Hierarchical Rambutan-Like CNTs-Assembled NiO@rGO Composite as Sulfur Immobilizer for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 4565-4570	4.3	9
83	Facile Synthesis of ZnO Nanoparticles on Nitrogen-Doped Carbon Nanotubes as High-Performance Anode Material for Lithium-Ion Batteries. <i>Materials</i> , <b>2017</b> , 10,	3.5	9
82	TiO <sub>2</sub> 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> , <b>2019</b> , 23, 565-572	2.6	9
81	Novel BaGe <sub>1-x</sub> Si <sub>x</sub> F <sub>6</sub> : Mn <sup>4+</sup> (0 ≤ x ≤ 1) red phosphors for warm white LEDs: Hydrothermal synthesis and photoluminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 852, 156995	5.7	9
80	Rhombic dodecahedron-like CoMoO <sub>4</sub> /C composite: A facile construction and excellent electrochemical performances for lithium-ion batteries. <i>Ceramics International</i> , <b>2020</b> , 46, 24257-24266	5.1	8
79	Solution inheritance of CoC <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O rods to nanoparticle-assembled Co <sub>3</sub> O <sub>4</sub> rods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 490, 307-317	5.1	8
78	Nitrogen-doped carbon nanotubes coated with zinc oxide nanoparticles as sulfur encapsulator for high-performance lithium/sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1677-1685	3	8
77	Synthesis of the ZnO@ZnS Nanorod for Lithium-Ion Batteries. <i>Energies</i> , <b>2018</b> , 11, 2117	3.1	8
76	An RFID-based indoor localization system using antenna beam scanning <b>2012</b> ,		8
75	Epitaxially Grown Ru Clusters-Nickel Nitride Heterostructure Advances Water Electrolysis Kinetics in Alkaline and Seawater Media. <i>Energy and Environmental Materials</i> ,	13	8
74	Na <sub>4</sub> Mn <sub>9</sub> O <sub>18</sub> nanowires wrapped by reduced graphene oxide as efficient sulfur host material for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 111-119	2.6	8
73	Nitrogen-Deficient Graphitic Carbon Nitride/Carbon Nanotube as Polysulfide Barrier of High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4906-4912	4.3	8
72	Novel Ba(Gd <sub>1-x</sub> Y <sub>x</sub> ) <sub>0.78</sub> F <sub>5</sub> : 20 mol% Yb <sup>3+</sup> , 2 mol% Tm <sup>3+</sup> (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> , <b>2018</b> , 740, 1204-1214	5.7	7
71	Room temperature synthesis of Cu nanocages through Ni-induced electroless process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 431, 60-65	5.1	7
70	Facilitating the acidic oxygen reduction of Fe-N-C catalysts by fluorine-doping. <i>Materials Horizons</i> , <b>2021</b> ,	14.4	7
69	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2401-2408	3.6	7
68	Preparation and Electrochemical Properties of Pomegranate-Shaped FeO/C Anodes for Li-ion Batteries. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 344	5	7

67	High Electrochemical Performance of Nanotube Structured ZnS as Anode Material for Lithium-Ion Batteries. <i>Materials</i> , <b>2018</b> , 11,	3.5	7
66	Sol-Gel Driving LiFe(MoO <sub>4</sub> ) <sub>2</sub> Microcrystals: High Capacity and Superior Cycling Stability for Anode Material in Lithium Ion Batteries. <i>Electronic Materials Letters</i> , <b>2019</b> , 15, 186-191	2.9	6
65	A Compact Dual-Broadband Multiple-Input Multiple-Output (MIMO) Indoor Base Station Antenna for 2G/3G/LTE Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 82238-82245	3.5	6
64	SiO <sub>2</sub> capsulized Cu active nanoparticles: synthesis and activity study. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8029	13	6
63	Hydrothermal Synthesis of Ca(1-3x/2)Tb x WO <sub>4</sub> Microcrystallines and Their Luminescent Properties. <i>Integrated Ferroelectrics</i> , <b>2012</b> , 140, 177-186	0.8	6
62	Stochastic Seismic Response Analysis of Base-Isolated High-Rise Buildings. <i>Procedia Engineering</i> , <b>2011</b> , 14, 2468-2474		6
61	Amorphous/crystalline-heterostructured niobium oxide as two-in-one host matrix for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11160-11167	13	6
60	Carbon nanotubes/SiC prepared by catalytic chemical vapor deposition as scaffold for improved lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	5
59	Eu <sup>3+</sup> -induced multicolor luminescence properties and enhanced thermal stability in the novel phosphors of Li <sub>0.1</sub> Na <sub>0.9</sub> Gd <sub>0.5</sub> Tb <sub>0.5-x</sub> Eu <sub>x</sub> (MoO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Luminescence</i> , <b>2020</b> , 222, 117116	3.8	5
58	Preparation of Hierarchical Porous Carbon from Waterweed and Its Application in Lithium/Sulfur Batteries. <i>Energies</i> , <b>2018</b> , 11, 1535	3.1	5
57	A Novel Hierarchically Porous Polypyrrole Sphere Modified Separator for Lithium-Sulfur Batteries. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
56	Design and Implementation of Secure and Reliable Communication using Optical Wireless Communication. <i>Frequenz</i> , <b>2014</b> , 68,	0.6	5
55	Functional separator for Li/S batteries based on boron-doped graphene and activated carbon. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	5
54	ZnO Zeolitic Imidazolate Framework Nanoparticles Intercalated in Graphene Nanosheets for Room-Temperature NO <sub>2</sub> Sensing. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 3998-4006	5.6	5
53	A novel Li <sub>1/3</sub> Sr <sub>1/3</sub> Eu <sub>1/3</sub> MoO <sub>4</sub> red phosphor: Influences of sintering temperature on microstructures and luminescent properties. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 799, 334-344	5.7	4
52	A porous 3D-RGO@MWCNT hybrid material as Li-S battery cathode. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 514-521	3	4
51	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> , <b>2020</b> , 32, 2070030	24	4
50	Random vibration analysis for coupled vehicle-track systems with uncertain parameters. <i>Engineering Computations</i> , <b>2016</b> , 33,	1.4	4



49	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> , <b>2017</b> , 7, 9006	4.9	4
48	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> , <b>2014</b> , 22, 334-350	1.3	4
47	A subject-specific radio propagation study in wireless body area networks <b>2009</b> ,		4
46	ZIF-8 derived ZnWO <sub>4</sub> nanocrystals: Calcination temperature induced evolution of composition and microstructures, and their electrochemical performances as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 367, 137435	6.7	4
45	Degradation of thin-film lithium batteries characterised by improved potentiometric measurement of entropy change. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 11378-11385	3.6	3
44	<b>2008</b> ,		3
43	Core-shell Cu@Cu <sub>2</sub> O nanoparticles embedded in 3D honeycomb-like N-doped graphitic carbon for photocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> ,	1.3	3
42	Porous ZnMn <sub>2</sub> O <sub>4</sub> hollow microrods: Facile construction and excellent electrochemical performances for lithium ion batteries. <i>Applied Surface Science</i> , <b>2021</b> , 578, 152087	6.7	3
41	A Subject-Specificity Analysis of Radio Channels in Wireless Body Area Networks. <i>Engineering Journal</i> , <b>2011</b> , 15, 39-48	1.8	3
40	Modelling of propagation and interaction between body-mounted antennas, and the modelling of body-centric, context aware application scenarios <b>2009</b> ,		3
39	Atomistic Modeling of PEDOT:PSS Complexes I: DFT Benchmarking. <i>Macromolecules</i> , <b>2021</b> , 54, 3634-3646	6.5	3
38	Novel graphitic carbon nitride g-C <sub>3</sub> N <sub>4</sub> as a promising platform to design efficient photocatalysts for dinitrogen reduction to ammonia: the first-principles investigation. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 20615-20625	1.3	3
37	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> , <b>2018</b> , 6, 492	5	3
36	Relativistic finite-difference time-domain analysis of high-speed moving metamaterials. <i>Scientific Reports</i> , <b>2018</b> , 8, 7686	4.9	3
35	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. <i>Energy and Environmental Materials</i> ,	1.3	3
34	Novel double perovskite Na <sub>1-x</sub> Eu <sub>1+x/3</sub> MgWO <sub>6</sub> (0 ≤ x ≤ 0.4) phosphors for white LEDs: Sol-gel controlled synthesis, microstructure and luminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 887, 161343	5.7	3
33	Isonicotinic acid-templated metal phosphate oxalates: solvent-free synthesis, luminescence, and proton conduction. <i>CrystEngComm</i> ,	3.3	3
32	Fabrication, microstructures, luminescent and magnetic properties of LiFe(WO <sub>4</sub> ) <sub>2</sub> microcrystals. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5584-5591	2.1	2

31	Temperature-induced phase transition, luminescence and magnetic properties of Eu <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microcrystal red phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 7347-7358	2.1	2
30	La <sub>2-x</sub> Eu <sub>x</sub> Mo <sub>2</sub> O <sub>9</sub> (0 ≤ x ≤ 0.6) solid solution microcrystals: facile hydrothermal derived synthesis, microstructures and luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 12932-12943	2.1	2
29	Evanescent wave amplification and subwavelength imaging by ultrathin uniaxial shear-zero material. <i>AIP Advances</i> , <b>2014</b> , 4, 027115	1.5	2
28	Statistical and deterministic modelling of radio propagation channels in WBAN at 2.45GHz <b>2006</b> ,		2
27	Flexible All-Solid-State Supercapacitor Fabricated with Nitrogen-Doped Carbon Nanofiber Electrode Material Derived from Polyacrylonitrile Copolymer. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 5830-5839 <sup>2</sup>	6.1	2
26	Active Site Identification and Interfacial Design of a MoP/N-Doped Carbon Catalyst for Efficient Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 5486-5492	6.1	2
25	Three-Dimensionally Ordered Macro/Mesoporous NbO/NbN Heterostructure as Sulfur Host for High-Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
24	One-Dimensional Sb <sub>2</sub> Se <sub>3</sub> Nanorods Synthesized through a Simple Polyol Process for High-Performance Lithium-Ion Batteries. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-9	3.2	2
23	Mn <sub>3</sub> O <sub>4</sub> Octahedral Microparticles Prepared by Facile Dealloying Process as Efficient Sulfur Hosts for Lithium/Sulfur Batteries. <i>Metals</i> , <b>2018</b> , 8, 515	2.3	2
22	Synthesis of ZnO/Polypyrrole Nanoring Composite as High-Performance Anode Materials for Lithium Ion Batteries. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-8	3.2	1
21	All-Purpose Electrodes: All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance Li <sup>+</sup> Batteries (Adv. Funct. Mater. 19/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070123	15.6	1
20	Preparation and Electrochemical Performance of Li <sub>4</sub> Mn <sub>5</sub> O <sub>12</sub> Nanorods using $\gamma$ -MnO <sub>2</sub> Nanorods as Precursor. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 3387-3391	1.9	1
19	R-LABS: An RFID-based indoor localisation system using antenna beam scanning. <i>Journal of Ambient Intelligence and Smart Environments</i> , <b>2013</b> , 5, 251-266	2.2	1
18	Sub-wavelength imaging by a wire medium slab: experiment <b>2007</b> ,		1
17	A facile surface alloy-engineering route to enable robust lithium metal anodes.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> ,	3.6	1
16	Porous Si/FeO Dual Network Anode for Lithium-Ion Battery Application. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	1
15	Atomistic Modeling of PEDOT:PSS Complexes II: Force Field Parameterization. <i>Macromolecules</i> , <b>2021</b> , 54, 5354-5365	5.5	1
14	Li <sup>+</sup> Batteries: Surface 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> , <b>2021</b> , 11, 2170099	21.8	1

13	Diastereodivergent 1,3-Dipolar Cycloaddition of Fluoro- $\alpha$ -Unsaturated Arylketones and Azomethine Ylides: Experimental and Theoretical DFT Studies. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 5530	3.2	1
12	Rational design of a cobalt sulfide nanoparticle-embedded flexible carbon nanofiber membrane electrocatalyst for advanced lithium-sulfur batteries. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
11	Tg-CN-coated functional separator as polysulfide barrier of high-performance lithium-sulfur batteries. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
10	Engineering Oversaturated Fe-N5 Multifunctional Catalytic Sites for Durable Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> ,	3.6	1
9	Theoretical insights into dual-atom catalysts for the oxygen reduction reaction: the crucial role of orbital polarization. <i>Journal of Materials Chemistry A</i> ,	13	1
8	Sol-gel synthesized double perovskite Na(1-x)Gd(0.95+x/3)MgWO6: 5% Eu <sup>3+</sup> (0 $\leq$ x $\leq$ 0.5) phosphors with incommensurately modulated structure: Microstructures and luminescence properties. <i>Optics and Laser Technology</i> , <b>2022</b> , 150, 107947	4.2	0
7	Preparation and electrochemical performances of ZnMoO <sub>4</sub> -ZnFe <sub>2</sub> O <sub>4</sub> composite electrode materials. <i>Ionics</i> ,1	2.7	0
6	Achieving superior lithium storage performances of CoMoO <sub>4</sub> anode for lithium-ion batteries by Si-doping dual vacancies engineering. <i>Acta Materialia</i> , <b>2022</b> , 225, 117600	8.4	0
5	Sandwich-like MoO <sub>3</sub> /ZnCo <sub>2</sub> O <sub>4</sub> QDs@C@rGO/MoO <sub>3</sub> hybrid nanosheets as high-performance anode for lithium-ion batteries. <i>Ceramics International</i> , <b>2021</b> , 47, 32118-32129	5.1	0
4	Investigation of image magnification properties of hyperlenses formed by a tapered array of metallic wires using a spatially dispersive finite-difference time-domain method in cylindrical coordinates. <i>Journal of Optics (United Kingdom)</i> , <b>2012</b> , 14, 035102	1.7	
3	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> , <b>2022</b> , 34, 2270015	24	
2	On Extended Convex Functions via Incomplete Gamma Functions. <i>Journal of Function Spaces</i> , <b>2021</b> , 2021, 1-7	0.8	
1	Innentitelbild: 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> , <b>2021</b> , 133, 2198-2198	3.6	