

Nai-Qing Zhang

List of Publications by Citations

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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.

229
papers

7,821
citations

51
h-index

75
g-index

235
ext. papers

9,743
ext. citations

8.6
avg, IF

6.47
L-index

#	Paper	IF	Citations
229	Scalable salt-templated synthesis of two-dimensional transition metal oxides. <i>Nature Communications</i> , 2016 , 7, 11296	17.4	300
228	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13180-13191	16.4	256
227	pH-controllable on-demand oil/water separation on the switchable superhydrophobic/superhydrophilic and underwater low-adhesive superoleophobic copper mesh film. <i>Langmuir</i> , 2015 , 31, 1393-9	4	187
226	Electrochemical characteristics of LSCF/SDC composite cathode for intermediate temperature SOFC. <i>Electrochimica Acta</i> , 2007 , 52, 4589-4594	6.7	179
225	Revealing the role of crystal orientation of protective layers for stable zinc anode. <i>Nature Communications</i> , 2020 , 11, 3961	17.4	161
224	Enhanced rate performance of carbon-coated LiNi _{0.5} Mn _{1.5} O ₄ cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2011 , 56, 4058-4064	6.7	158
223	From petal effect to lotus effect: a facile solution immersion process for the fabrication of super-hydrophobic surfaces with controlled adhesion. <i>Nanoscale</i> , 2013 , 5, 2776-83	7.7	155
222	Mussel-inspired tailoring of membrane wettability for harsh water treatment. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2650-2657	13	150
221	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11778		144
220	Heterostructured SnS-ZnS@C hollow nanoboxes embedded in graphene for high performance lithium and sodium ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 356, 1042-1051	14.7	129
219	Characterization of electrical properties of GDC doped A-site deficient LSCF based composite cathode using impedance spectroscopy. <i>Journal of Power Sources</i> , 2007 , 168, 338-345	8.9	119
218	pH-induced reversible wetting transition between the underwater superoleophilicity and superoleophobicity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 636-41	9.5	118
217	MoN Supported on Graphene as a Bifunctional Interlayer for Advanced Li-S Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1901940	21.8	104
216	Higher Yield Urea-Derived Polymeric Graphitic Carbon Nitride with Mesoporous Structure and Superior Visible-Light-Responsive Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3412-3419	8.3	102
215	Facile fabrication of CuO mesoporous nanosheet cluster array electrodes with super lithium-storage properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13637		90
214	Rational Design of Hierarchical SnO ₂ /1T-MoS ₂ Nanoarray Electrode for Ultralong-Life Li/S Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 1627-1633	20.1	84
213	Ternary Ta ₂ NiSe ₅ Flakes for a High-Performance Infrared Photodetector. <i>Advanced Functional Materials</i> , 2016 , 26, 8281-8289	15.6	82

212	In Situ Synthesis of CuCoS@N/S-Doped Graphene Composites with Pseudocapacitive Properties for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11708-11714	9.5	81
211	Electrochemical preparation of porous MoO ₃ film with a high rate performance as anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 221-224	13	79
210	Ni _{0.5} SZ gradient anodes for anode-supported SOFCs. <i>Journal of Power Sources</i> , 2007 , 166, 337-342	8.9	76
209	Nitrogen-Doped CoSe ₂ as a Bifunctional Catalyst for High Areal Capacity and Lean Electrolyte of LiS Battery. <i>ACS Energy Letters</i> , 2020 , 5, 3041-3050	20.1	76
208	Preparation and characterization of Pr _{1-x} Sr _x FeO ₃ cathode material for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2007 , 172, 633-640	8.9	75
207	In situ preparation of 3D graphene aerogels@hierarchical Fe ₃ O ₄ nanoclusters as high rate and long cycle anode materials for lithium ion batteries. <i>Chemical Communications</i> , 2015 , 51, 1597-600	5.8	73
206	Fe-MOF derived jujube pit like Fe ₃ O ₄ /C composite as sulfur host for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2019 , 295, 444-451	6.7	73
205	Highly dispersed Ag nanoparticles (. <i>Journal of Power Sources</i> , 2012 , 205, 479-482	8.9	72
204	Graphene Aerogels with Anchored Sub-Micrometer Mulberry-Like ZnO Particles for High-Rate and Long-Cycle Anode Materials in Lithium Ion Batteries. <i>Small</i> , 2016 , 12, 5208-5216	11	72
203	Improved SOFC performance with continuously graded anode functional layer. <i>Electrochemistry Communications</i> , 2009 , 11, 1120-1123	5.1	70
202	Blocking Polysulfide with CoB@CNT via "Synergetic Adsorptive Effect" toward Ultrahigh-Rate Capability and Robust Lithium-Sulfur Battery. <i>ACS Nano</i> , 2019 , 13, 6742-6750	16.7	69
201	A study of process parameters of LSM and LSM _{0.8} SZ composite cathode films prepared by screen-printing. <i>Journal of Power Sources</i> , 2008 , 175, 288-295	8.9	68
200	Bi ₂ O ₃ nanoparticles encapsulated by three-dimensional porous nitrogen-doped graphene for high-rate lithium ion batteries. <i>Journal of Power Sources</i> , 2016 , 333, 30-36	8.9	68
199	Ultra-high rate LiS batteries based on a novel conductive Ni ₂ P yolk-shell material as the host for the S cathode. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14519-14524	13	67
198	Underwater superoleophilic to superoleophobic wetting control on the nanostructured copper substrates. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11363-70	9.5	67
197	Facile preparation of nanocrystalline Li ₄ Ti ₅ O ₁₂ and its high electrochemical performance as anode material for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2011 , 13, 654-656	5.1	66
196	Intercalation Pseudocapacitive Zn Storage with Hydrated Vanadium Dioxide toward Ultrahigh Rate Performance. <i>Advanced Materials</i> , 2020 , 32, e1908420	24	66
195	A Class of Catalysts of BiOX (X = Cl, Br, I) for Anchoring Polysulfides and Accelerating Redox Reaction in Lithium Sulfur Batteries. <i>ACS Nano</i> , 2019 , 13, 13109-13115	16.7	63

194	Kinetics enhancement of lithium-sulfur batteries by interlinked hollow MoO ₂ sphere/nitrogen-doped graphene composite. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25187-25192	13	63
193	Hierarchical mesoporous SnO ₂ nanosheets on carbon cloth toward enhancing the polysulfides redox for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19613-19618	13	59
192	Confined iron fluoride@CMK-3 nanocomposite as an ultrahigh rate capability cathode for Li-ion batteries. <i>Small</i> , 2014 , 10, 2039-46	11	58
191	An in situ ionic-liquid-assisted synthetic approach to iron fluoride/graphene hybrid nanostructures as superior cathode materials for lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5057-63	9.5	57
190	Coupled flower-like BiS and graphene aerogels for superior sodium storage performance. <i>Nanoscale</i> , 2017 , 9, 17694-17698	7.7	56
189	The influence of holding time on the performance of LiNi _{0.5} Mn _{1.5} O ₄ cathode for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2010 , 502, 215-219	5.7	56
188	A microporous gel electrolyte based on poly(vinylidene fluoride-co-hexafluoropropylene)/fully cyanoethylated cellulose derivative blend for lithium-ion battery. <i>Electrochimica Acta</i> , 2009 , 54, 1888-1892	6.7	56
187	Metal-Organic Framework-Derived CoZnC/Co Embedded in Nitrogen-Doped Carbon Nanotube-Grafted Carbon Polyhedra as a High-Performance Electrocatalyst for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6245-6252	9.5	54
186	Long-Life Lithium-Sulfur Battery Derived from Nori-Based Nitrogen and Oxygen Dual-Doped 3D Hierarchical Biochar. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18889-18896	9.5	53
185	Facile ammonia-induced fabrication of nanoporous NiO films with enhanced lithium-storage properties. <i>Electrochemistry Communications</i> , 2012 , 20, 137-140	5.1	53
184	Metal-organic framework-derived Zn _{0.975} Co _{0.025} S/CoS ₂ embedded in N,S-codoped carbon nanotube/nanopolyhedra as an efficient electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10441-10446	13	52
183	Ni/YSZ and NiTeO ₂ /YSZ anodes prepared by impregnation for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2007 , 169, 253-258	8.9	52
182	Ion-Selective Prussian-Blue-Modified Celgard Separator for High-Performance Lithium-Sulfur Battery. <i>ChemSusChem</i> , 2018 , 11, 3345-3351	8.3	52
181	Decoration of graphene with silicon nanoparticles by covalent immobilization for use as anodes in high stability lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 240, 212-218	8.9	51
180	Facile fabrication of CuO 1D pine-needle-like arrays for super-rate lithium storage. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15080		51
179	Mesoporous CuCo ₂ O ₄ nanoparticles as an efficient cathode catalyst for Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2016 , 325, 506-512	8.9	51
178	Metal-Organic-Framework-Derived Yolk-Shell-Structured Cobalt-Based Bimetallic Oxide Polyhedron with High Activity for Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31777-31785	9.5	50
177	Magnetically Induced Reversible Transition between Cassie and Wenzel States of Superparamagnetic Microdroplets on Highly Hydrophobic Silicon Surface. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18796-18802	3.8	50

176	Precise Synthesis of Fe-N Sites with High Activity and Stability for Long-Life Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2020 , 14, 16105-16113	16.7	50
175	Improvement of high-voltage cycling behavior of Li(Ni _{1/3} Co _{1/3} Mn _{1/3})O ₂ cathodes by Mg, Cr, and Al substitution. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 1381-1386	2.6	49
174	SnS/SnO Heterostructures towards Enhanced Electrochemical Performance of Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 5416-5421	4.8	48
173	Constructing the Efficient Ion Diffusion Pathway by Introducing Oxygen Defects in MnO for High-Performance Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28199-28205	8.5	47
172	Building High Rate Capability and Ultrastable Dendrite-Free Organic Anode for Rechargeable Aqueous Zinc Batteries. <i>Advanced Science</i> , 2020 , 7, 2000146	13.6	46
171	pH-controllable water permeation through a nanostructured copper mesh film. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5826-32	9.5	46
170	Self-supported, binder-free 3D hierarchical iron fluoride flower-like array as high power cathode material for lithium batteries. <i>Nano Energy</i> , 2014 , 4, 7-13	17.1	45
169	A novel grain restraint strategy to synthesize highly crystallized Li ₄ Ti ₅ O ₁₂ (~20 nm) for lithium ion batteries with superior high-rate performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11688		45
168	Designing heterogeneous chemical composition on hierarchical structured copper substrates for the fabrication of superhydrophobic surfaces with controlled adhesion. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8753-60	9.5	45
167	Porous MoO ₃ films with ultra-short relaxation time used for supercapacitors. <i>Materials Research Bulletin</i> , 2013 , 48, 1328-1332	5.1	44
166	Anchoring hollow MoO ₂ spheres on graphene for superior lithium storage. <i>Chemical Engineering Journal</i> , 2018 , 334, 257-263	14.7	42
165	Preparation of YSZ thin films for intermediate temperature solid oxide fuel cells by dip-coating method. <i>Journal of Membrane Science</i> , 2008 , 320, 500-504	9.6	42
164	Iron fluoride vertical nanosheets array modified with graphene quantum dots as long-life cathode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 371, 245-251	14.7	41
163	The facile synthesis and enhanced lithium-sulfur battery performance of an amorphous cobalt boride (Co ₂ B)@graphene composite cathode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24045-24049	13	39
162	Carbon coated amorphous bimetallic sulfide hollow nanocubes towards advanced sodium ion battery anode. <i>Carbon</i> , 2019 , 150, 378-387	10.4	38
161	Microstructure and electrochemical characterization of solid oxide fuel cells fabricated by co-tape casting. <i>Journal of Power Sources</i> , 2009 , 191, 528-533	8.9	38
160	Metallic NiSe ₂ nanoarrays towards ultralong life and fast Li ₂ S oxidation kinetics of LiS batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15302-15308	13	37
159	Copper cobalt spinel as a high performance cathode for intermediate temperature solid oxide fuel cells. <i>Chemical Communications</i> , 2016 , 52, 8615-8	5.8	37

158	Electrodeposited Si film with excellent stability and high rate performance for lithium-ion battery anodes. <i>Materials Letters</i> , 2012 , 76, 55-58	3.3	37
157	Fabrication and evaluation of anode and thin Y2O3-stabilized ZrO2 film by co-tape casting and co-firing technique. <i>Journal of Power Sources</i> , 2010 , 195, 2644-2648	8.9	37
156	Stable artificial solid electrolyte interphase films for lithium metal anode via metal-organic frameworks cemented by polyvinyl alcohol. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 251-258	13	37
155	3D porous micro/nanostructured interconnected metal/metal oxide electrodes for high-rate lithium storage. <i>RSC Advances</i> , 2013 , 3, 432-437	3.7	36
154	A Conductive Ni P Nanoporous Composite with a 3D Structure Derived from a Metal-Organic Framework for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 13253-13258	4.8	35
153	Expediting the Conversion of LiS to LiS Enables High-Performance Li-S Batteries. <i>ACS Nano</i> , 2021 , 15, 7318-7327	16.7	35
152	MoP hollow nanospheres encapsulated in 3D reduced graphene oxide networks as high rate and ultralong cycle performance anodes for sodium-ion batteries. <i>Nanoscale</i> , 2019 , 11, 7129-7134	7.7	34
151	Recycled Superwetting Nanostructured Copper Mesh Film: Toward Bidirectional Separation of Emulsified Oil/Water Mixtures. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600370	4.6	34
150	3D Self-Supported Nanoarchitected Arrays Electrodes for Lithium-Ion Batteries. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-19	3.2	34
149	Optimization on fabrication and performance of A-site-deficient La _{0.58} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} cathode for SOFC. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 455-467	2.6	33
148	Comparison of infiltrated ceramic fiber paper and mica base compressive seals for planar solid oxide fuel cells. <i>Journal of Power Sources</i> , 2007 , 168, 447-452	8.9	33
147	The facile preparation of a cobalt disulfide-reduced graphene oxide composite film as an efficient counter electrode for dye-sensitized solar cells. <i>Chemical Communications</i> , 2015 , 51, 1846-9	5.8	32
146	MOF-directed templating synthesis of hollow nickel-cobalt sulfide with enhanced electrocatalytic activity for oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 8815-8823	6.7	32
145	Improved electrochemical performance of SrCo _{0.8} Fe _{0.2} O _{3-δ} /La _{0.45} Ce _{0.55} O _{2-δ} composite cathodes for IT-SOFC. <i>Electrochemistry Communications</i> , 2007 , 9, 431-435	5.1	32
144	Regulating Underwater Oil Adhesion on Superoleophobic Copper Films through Assembling n-Alkanoic Acids. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20410-7	9.5	31
143	A Dynamic and Self-Adapting Interface Coating for Stable Zn-Metal Anodes. <i>Advanced Materials</i> , 2021 , e2105133	24	31
142	Electrochemically active separators with excellent catalytic ability toward high-performance LiS batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11694-11699	13	31
141	Flexible patterned micro-electrochemical capacitors based on PEDOT. <i>Chemical Communications</i> , 2014 , 50, 6789-92	5.8	30

140	Design of MoS/Graphene van der Waals Heterostructure as Highly Efficient and Stable Electrocatalyst for Hydrogen Evolution in Acidic and Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24777-24785	9.5	29
139	In situ synthesis of LiV ₃ O ₈ nanorods on graphene as high rate-performance cathode materials for rechargeable lithium batteries. <i>Chemical Communications</i> , 2013 , 49, 9143-5	5.8	29
138	A facile method to prepare hybrid LiNi _{0.5} Mn _{1.5} O ₄ /C with enhanced rate performance. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3783-3786	5.7	29
137	Performance of mix-impregnated CeO ₂ -Ni/YSZ Anodes for Direct Oxidation of Methane in Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2009 , 9, 729-739	2.9	29
136	Constructing multi-functional Janus separator toward highly stable lithium batteries. <i>Energy Storage Materials</i> , 2020 , 28, 153-159	19.4	28
135	Redox Mediator: A New Strategy in Designing Cathode for Prompting Redox Process of Li-S Batteries. <i>Advanced Science</i> , 2019 , 6, 1900958	13.6	27
134	Preparation of dual-pore anode supported Sc ₂ O ₃ -stabilized-ZrO ₂ electrolyte planar solid oxide fuel cell by phase-inversion and dip-coating. <i>Journal of Power Sources</i> , 2012 , 218, 352-356	8.9	27
133	Enhanced low temperature performances of expanded commercial mesocarbon microbeads (MCMB) as lithium ion battery anodes. <i>Materials Letters</i> , 2012 , 89, 243-246	3.3	27
132	Study on Properties of LSGM Electrolyte Made by Tape Casting Method and Applications in SOFC. <i>Journal of Rare Earths</i> , 2006 , 24, 90-92	3.7	27
131	Nitrogen Plasma-Treated Core-Shell Si@SiO@TiO: Nanoparticles with Significantly Improved Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27658-27666	9.5	26
130	Super-hydrophobic surface with switchable adhesion responsive to both temperature and pH. <i>Soft Matter</i> , 2012 , 8, 9635	3.6	26
129	Synthesis of carbon coated Bi ₂ O ₃ nanocomposite anode for sodium-ion batteries. <i>Ceramics International</i> , 2017 , 43, 8819-8823	5.1	25
128	Fabrication and characterization of Ni-SSZ gradient anodes/SSZ electrolyte for anode-supported SOFCs by tape casting and co-sintering technique. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8433-8441	6.7	25
127	Nanoflake MnO ₂ deposited on carbon nanotubes-graphene-Ni foam scaffolds as self-standing three-dimensional porous anodes for high-rate-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 402, 373-380	8.9	25
126	Rational design of well-dispersed ultrafine CoS ₂ nanocrystals in micro-mesoporous carbon spheres with a synergistic effect for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10885-10890	13	24
125	Synthesis of Pr _{0.6} Sr _{0.4} FeO _{3-δ} Ce _{0.9} Pr _{0.1} O _{2-δ} cobalt-free composite cathodes by a one-pot method for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4005-4015	6.7	22
124	High storage performance of core-shell Si@C nanoparticles as lithium ion battery anode material. <i>Materials Letters</i> , 2013 , 96, 170-173	3.3	22
123	Improved performance of ammonia-fueled solid oxide fuel cell with SSZ thin film electrolyte and Ni-SSZ anode functional layer. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 10857-10865	6.7	22

122	Effects of the nickel-coated ferritic stainless steel for solid oxide fuel cells interconnects. <i>Corrosion Science</i> , 2008 , 50, 1926-1931	6.8	22
121	Probing oxygen vacancy effect on oxygen reduction reaction of the NdBaCo ₂ O _{5+δ} cathode for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020 , 459, 228017	8.9	21
120	Fabrication of CuCo ₂ S ₄ hollow sphere @N/S doped graphene composites as high performance anode materials for lithium ion batteries. <i>Ceramics International</i> , 2018 , 44, 11905-11909	5.1	21
119	A novel doped CeO ₂ @FeO ₃ composite oxide as both anode and cathode for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 12574-12579	6.7	21
118	Polymer electrolytes based on poly(vinylidene fluoride-co-hexafluoropropylene) with crosslinked poly(ethylene glycol) for lithium batteries. <i>Solid State Ionics</i> , 2009 , 180, 693-697	3.3	21
117	A pH-responsive superwetting nanostructured copper mesh film for separating both water-in-oil and oil-in-water emulsions. <i>RSC Advances</i> , 2016 , 6, 72317-72325	3.7	21
116	Fabrication of anode-supported Sc ₂ O ₃ -stabilized-ZrO ₂ electrolyte micro-tubular Solid Oxide Fuel Cell by phase-inversion and dip-coating. <i>Electrochemistry Communications</i> , 2012 , 20, 117-120	5.1	20
115	A Vapor-Phase Corrosion Strategy to Hierarchically Mesoporous Nanosheet-Assembled Gearlike Pillar Arrays for Super-Performance Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21224-21231	3.8	20
114	Electrochemical properties of A-site deficient SOFC cathodes under Cr poisoning conditions. <i>Electrochimica Acta</i> , 2009 , 54, 7305-7312	6.7	20
113	Novel compressive seals for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2006 , 161, 901-906	8.9	20
112	Nanostructured CuCo ₂ O ₄ cathode for intermediate temperature solid oxide fuel cells via an impregnation technique. <i>Journal of Power Sources</i> , 2017 , 343, 268-274	8.9	19
111	Improved electrochemical performance of CuCrO ₂ anode with CNTs as conductive agent for lithium ion batteries. <i>Materials Letters</i> , 2013 , 97, 113-116	3.3	19
110	Surface modification of LiV ₃ O ₈ nanosheets via layer-by-layer self-assembly for high-performance rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2014 , 257, 319-324	8.9	19
109	Preparation of honeycomb porous La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} @d _{0.2} Ce _{0.8} O ₂ composite cathodes by breath figures method for solid oxide fuel cells. <i>Applied Surface Science</i> , 2011 , 258, 50-57	6.7	19
108	Facile synthesis of TiN nanocrystals/graphene hybrid to chemically suppress the shuttle effect for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 822, 153751	5.7	19
107	Improving poisoning resistance of electrocatalysts via alloying strategy for high-performance lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2021 , 41, 248-254	19.4	19
106	Preparation of polypyrrole-coated Bi ₂ O ₃ @CMK-3 nanocomposite for electrochemical lithium storage. <i>Electrochimica Acta</i> , 2017 , 238, 202-209	6.7	18
105	A general way to fabricate transition metal dichalcogenide/oxide-sandwiched MXene nanosheets as flexible film anodes for high-performance lithium storage. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2577-2582	5.8	18

104	PVP incorporated MoS ₂ as a Mg ion host with enhanced capacity and durability. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4426-4430	13	18
103	Effective Ag ₂ O sealant for planar solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 96-99	5.7	18
102	Preparation and characterization of nano-tube and nano-rod structured La _{0.8} Sr _{0.2} MnO _{3-δ} /Zr _{0.92} Y _{0.08} O ₂ composite cathodes for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2011 , 13, 570-573	5.1	18
101	Solid oxide fuel cell composite cathodes prepared by infiltration of copper manganese spinel into porous yttria stabilized zirconia. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4341		18
100	Fast-growing multifunctional ZnMoO ₄ protection layer enable dendrite-free and hydrogen-suppressed Zn anode. <i>Energy Storage Materials</i> , 2021 , 44, 353-353	19.4	17
99	in situ engineered ultrafine NiS-ZnS heterostructures in micro-mesoporous carbon spheres accelerating polysulfide redox kinetics for high-performance lithium-sulfur batteries. <i>Nanoscale</i> , 2020 , 12, 16201-16207	7.7	17
98	MoS ₂ /graphene heterostructure with facilitated Mg-diffusion kinetics for high-performance rechargeable magnesium batteries. <i>Chemical Engineering Journal</i> , 2021 , 412, 128736	14.7	17
97	Sulfur tolerance improvement of Ni-YSZ anode by alkaline earth metal oxide BaO for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2012 , 19, 63-66	5.1	16
96	Enhanced sulfur and carbon coking tolerance of novel co-doped ceria based anode for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012 , 201, 128-135	8.9	16
95	Carbon Nanohorns Carried Iron Fluoride Nanocomposite with ultrahigh rate lithium ion storage properties. <i>Scientific Reports</i> , 2015 , 5, 12154	4.9	16
94	Selective transportation of microdroplets assisted by a superhydrophobic surface with pH-responsive adhesion. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 3200-6	4.5	16
93	Packing FeF ₃ ·0.33H ₂ O into porous graphene/carbon nanotube network as high volumetric performance cathode for lithium ion battery. <i>Journal of Power Sources</i> , 2020 , 447, 227303	8.9	16
92	Evaluation of lanthanum ferrite coated interconnect for intermediate temperature solid oxide fuel cells. <i>Thin Solid Films</i> , 2008 , 516, 1857-1863	2.2	15
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19	Stabilized Zn Anode Based on SO ₄ ²⁻ Trapping Ability and High Hydrogen Evolution Barrier. <i>Advanced Functional Materials</i> , 2203595	15.6	3
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10	V-doped T-Nb ₂ O ₅ toward high-performance Mg ²⁺ /Li ⁺ hybrid ion batteries. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 577-584	13	1
9	Constructing anion vacancy-rich MoSSe/G van der Waals heterostructures for high-performance Mg ²⁺ /Li ⁺ hybrid-ion batteries. <i>Journal of Materials Chemistry A</i> ,	13	1
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7	Efficient Polysulfide Trapping and Conversion on N-Doped CoTe via Enhanced Dual-Anchoring Effect. <i>Small</i> , 2021 , 17, e2102962	11	1
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4	Built-in electric field enhanced ionic transport kinetics in the T-Nb ₂ O ₅ @MoO ₂ heterostructure. <i>Journal of Materials Chemistry A</i> ,	13	0
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1	Stable and Dendrite-Free Lithium Metal Anodes Enabled by Ionic/Electronic Li ₂ S/Mo Interlayer. <i>Advanced Energy and Sustainability Research</i> , 2100051	1.6	0