

Zi-Feng

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185
papers

7,649
citations

43
h-index

80
g-index

191
ext. papers

9,023
ext. citations

8.8
avg, IF

6.34
L-index

#	Paper	IF	Citations
185	The role of nanotechnology in the development of battery materials for electric vehicles. <i>Nature Nanotechnology</i> , 2016 , 11, 1031-1038	28.7	462
184	Structural and mechanistic basis for the high activity of Fe _{Ni} C catalysts toward oxygen reduction. <i>Energy and Environmental Science</i> , 2016 , 9, 2418-2432	35.4	365
183	A review of cathode materials and structures for rechargeable lithium-air batteries. <i>Energy and Environmental Science</i> , 2015 , 8, 2144-2198	35.4	338
182	Electrolyte design strategies and research progress for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1075-1101	35.4	320
181	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702619	21.8	299
180	Ordered gelation of chemically converted graphene for next-generation electroconductive hydrogel films. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7325-8	16.4	260
179	Challenges of Spinel Li ₄ Ti ₅ O ₁₂ for Lithium-Ion Battery Industrial Applications. <i>Advanced Energy Materials</i> , 2017 , 7, 1601625	21.8	215
178	Challenges in Developing Electrodes, Electrolytes, and Diagnostics Tools to Understand and Advance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702403	21.8	164
177	Single-crystal nickel-rich layered-oxide battery cathode materials: synthesis, electrochemistry, and intra-granular fracture. <i>Energy Storage Materials</i> , 2020 , 27, 140-149	19.4	152
176	Electrochemical properties of P2-Na _{2/3} [Ni _{1/3} Mn _{2/3}]O ₂ cathode material for sodium ion batteries when cycled in different voltage ranges. <i>Electrochimica Acta</i> , 2013 , 113, 200-204	6.7	144
175	Use of polypyrrole in catalysts for low temperature fuel cells. <i>Energy and Environmental Science</i> , 2013 , 6, 1105	35.4	137
174	A Co(OH) ₂ /graphene nanosheets composite as a high performance anode material for rechargeable lithium batteries. <i>Electrochemistry Communications</i> , 2010 , 12, 570-573	5.1	129
173	Monolayer Nickel Cobalt Hydroxyl Carbonate for High Performance All-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22997-3005	9.5	119
172	Experimental Proof of the Bifunctional Mechanism for the Hydrogen Oxidation in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15594-15598	16.4	118
171	Carbon coated SnO ₂ nanoparticles anchored on CNT as a superior anode material for lithium-ion batteries. <i>Nanoscale</i> , 2016 , 8, 4121-6	7.7	113
170	Facile Spray Drying Route for the Three-Dimensional Graphene-Encapsulated Fe ₂ O ₃ Nanoparticles for Lithium Ion Battery Anodes. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 1197-1204	3.9	105
169	Metal and Metal Oxide Interactions and Their Catalytic Consequences for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7893-7903	16.4	95

168	In Operando XRD and TXM Study on the Metastable Structure Change of $\text{NaNi}_{1/3}\text{Fe}_{1/3}\text{Mn}_{1/3}\text{O}_2$ under Electrochemical Sodium-Ion Intercalation. <i>Advanced Energy Materials</i> , 2016 , 6, 1601306	21.8	95
167	High temperature proton exchange membrane fuel cells: progress in advanced materials and key technologies. <i>Chemical Society Reviews</i> , 2021 , 50, 1138-1187	58.5	93
166	Asymmetric Volcano Trend in Oxygen Reduction Activity of Pt and Non-Pt Catalysts: In Situ Identification of the Site-Blocking Effect. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1384-1387	16.4	90
165	Electrochemical characteristics and intercalation mechanism of ZnS/C composite as anode active material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2011 , 56, 1213-1218	6.7	84
164	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. <i>Advanced Energy Materials</i> , 2016 , 6, 1601056	21.8	83
163	Structure and Properties of Novel Cobalt-Free Oxides $\text{Nd}_x\text{Sr}_{1-x}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-(0.3-x)}$ as Cathodes of Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13357-13368	3.8	78
162	A novel bath lily-like graphene sheet-wrapped nano-Si composite as a high performance anode material for Li-ion batteries. <i>RSC Advances</i> , 2011 , 1, 958	3.7	78
161	State of health estimation of lithium-ion batteries: A multiscale Gaussian process regression modeling approach. <i>AIChE Journal</i> , 2015 , 61, 1589-1600	3.6	77
160	A phase inversion/sintering process to fabricate nickel/yttria-stabilized zirconia hollow fibers as the anode support for micro-tubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2008 , 183, 14-19	8.9	75
159	Large-Scale Synthesis of $\text{NaNi}_{1/3}\text{Fe}_{1/3}\text{Mn}_{1/3}\text{O}_2$ as High Performance Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A565-A570	3.9	72
158	Synthesis of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode material from oxalate precursors for lithium ion battery. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 139-143	2.1	67
157	High voltage supercapacitors using hydrated graphene film in a neutral aqueous electrolyte. <i>Electrochemistry Communications</i> , 2011 , 13, 1166-1169	5.1	61
156	Pyrolyzed CoN ₄ -chelate as an electrocatalyst for oxygen reduction reaction in acid media. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 2900-2903	6.7	60
155	An experimental insight into the advantages of in situ solvothermal route to construct 3D graphene-based anode materials for lithium-ion batteries. <i>Nano Energy</i> , 2015 , 16, 235-246	17.1	56
154	Template-free hydrothermal synthesis of $\text{Li}_2\text{FeSiO}_4$ hollow spheres as cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12982	13	55
153	A unified modeling framework for lithium-ion batteries: An artificial neural network based thermal coupled equivalent circuit model approach. <i>Energy</i> , 2017 , 138, 118-132	7.9	55
152	A solvothermal strategy: one-step in situ synthesis of self-assembled 3D graphene-based composites with enhanced lithium storage capacity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9200-9207	13	53
151	3D red phosphorus/sheared CNT sponge for high performance lithium-ion battery anodes. <i>Energy Storage Materials</i> , 2018 , 13, 267-273	19.4	51

150	One-Pot Spray-Dried Graphene Sheets-Encapsulated Nano-Li ₄ Ti ₅ O ₁₂ Microspheres for a Hybrid BatCap System. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10849-10857	3.9	51
149	Investigation on thermal, electrical, and electrochemical properties of scandium-doped Pr _{0.6} Sr _{0.4} (Co _{0.2} Fe _{0.8}) _{1-x} Sc _x O _{3-δ} as cathode for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3989-3996	6.7	51
148	Incorporation of Co into MoS ₂ /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <i>Journal of Power Sources</i> , 2018 , 373, 103-109	8.9	47
147	A flexible and binder-free reduced graphene oxide/Na _{2/3} [Ni _{1/3} Mn _{2/3}]O ₂ composite electrode for high-performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6723-6726	13	46
146	Electrochemical performance of a novel CoTETA/C catalyst for the oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2009 , 11, 206-208	5.1	46
145	A cobalt-free electrode material La _{0.5} Sr _{0.5} Fe _{0.8} Cu _{0.2} O _{3-δ} for symmetrical solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2015 , 61, 18-22	5.1	44
144	Preparation and characterization of carbon xerogel (CX) and CX/BiO composite as anode material for lithium-ion battery. <i>Electrochemistry Communications</i> , 2007 , 9, 2591-2595	5.1	43
143	Silica Wastes to High-Performance Lithium Storage Materials: A Rational Designed Al ₂ O ₃ Coating Assisted Magnesiothermic Process. <i>Small</i> , 2016 , 12, 5281-5287	11	43
142	Atomically thin layered NiFe double hydroxides assembled 3D microspheres with promoted electrochemical performances. <i>Journal of Power Sources</i> , 2016 , 325, 675-681	8.9	42
141	Effects of heat-treatment temperature on properties of Cobalt-Manganese-Boride as efficient catalyst toward hydrolysis of alkaline sodium borohydride solution. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 995-1001	6.7	41
140	Garnet-based red emitting phosphors Li ₆ MLa ₂ Nb ₂ O ₁₂ : Eu ³⁺ (M=Ca, Sr, Ba): Photoluminescence improvement by changing crystal lattice. <i>Ceramics International</i> , 2014 , 40, 3237-3241	5.1	40
139	Tuning Nb/Bt Interactions To Facilitate Fuel Cell Electrocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 4936-4946	13.1	39
138	A novel high performance composite anode with in situ growth of Fe-Ni alloy nanoparticles for intermediate solid oxide fuel cells. <i>Electrochimica Acta</i> , 2017 , 235, 317-322	6.7	39
137	Preparation and characterization of new cobalt-free cathode Pr _{0.5} Sr _{0.5} Fe _{0.8} Cu _{0.2} O _{3-δ} for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 10527-10533	6.7	39
136	Experimental identification of the active sites in pyrolyzed carbon-supported cobalt-polypyrrole-toluenesulfonic acid as electrocatalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2014 , 255, 76-84	8.9	39
135	Improved cycling performance of prussian blue cathode for sodium ion batteries by controlling operation voltage range. <i>Electrochimica Acta</i> , 2017 , 225, 235-242	6.7	38
134	Influence of Structural Imperfection on Electrochemical Behavior of Prussian Blue Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2117-A2123	3.9	38
133	Probing Thermal and Chemical Stability of Na _x Ni _{1/3} Fe _{1/3} Mn _{1/3} O ₂ Cathode Material toward Safe Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2018 , 30, 4909-4918	9.6	36

132	Flexible Overoxidized Polypyrrole Films with Orderly Structure as High-Performance Anodes for Li- and Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35114-35122	9.5	36
131	Nitrogen and Phosphorus Codoped Porous Carbon Framework as Anode Material for High Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36969-36975	9.5	35
130	Na ₂ Ge ₄ O ₉ nanoparticles encapsulated in 3D carbon networks with long-term stability and superior rate capability in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10552-10557	13	34
129	Optimal Source-Sink Matching in Carbon Capture and Storage Systems under Uncertainty. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 778-785	3.9	34
128	Incorporation of rubidium cations into Li _{1.2} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ layered oxide cathodes for improved cycling stability. <i>Electrochimica Acta</i> , 2017 , 231, 363-370	6.7	33
127	A novel graphene sheet-wrapped Co ₂ (OH) ₃ Cl composite as a long-life anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16925-16930	13	33
126	A systematical evaluation of polynomial based equivalent circuit model for charge redistribution dominated self-discharge process in supercapacitors. <i>Journal of Power Sources</i> , 2016 , 303, 294-304	8.9	31
125	Synthesis and characterization of terbium doped barium cerates as a proton conducting SOFC electrolyte. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 13067-13072	6.7	31
124	Rational Design of the Robust Janus Shell on Silicon Anodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17375-17383	9.5	29
123	NiMnO as an efficient cathode catalyst for rechargeable lithium-air batteries. <i>Chemical Communications</i> , 2017 , 53, 8164-8167	5.8	29
122	Coaxial Carbon Nanotube Supported TiO@MoO@Carbon Core-Shell Anode for Ultrafast and High-Capacity Sodium Ion Storage. <i>ACS Nano</i> , 2019 , 13, 671-680	16.7	29
121	Carbon-coated FeP nanoparticles anchored on carbon nanotube networks as an anode for long-life sodium-ion storage. <i>Chemical Communications</i> , 2018 , 54, 11348-11351	5.8	29
120	Sulfur tolerant redox stable layered perovskite SrLaFeO ₄ as anode for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2017 , 76, 51-54	5.1	28
119	Porous Ni _{0.14} Mn _{0.86} O _{1.43} hollow microspheres as high-performing anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015 , 291, 156-162	8.9	28
118	A solid polymer electrolyte based on star-like hyperbranched Cyclodextrin for all-solid-state sodium batteries. <i>Journal of Power Sources</i> , 2018 , 399, 363-371	8.9	28
117	Pyrolyzing cobalt diethylenetriamine chelate on carbon (CoDETA/C) as a family of non-precious metal oxygen reduction catalyst. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 267-276	6.7	28
116	Fabrication of Y ₂ O ₃ -stabilized-ZrO ₂ (YSZ)/La _{0.8} Sr _{0.2} MnO ₃ /YSZ dual-layer hollow fibers for the cathode-supported micro-tubular solid oxide fuel cells by a co-spinning/co-sintering technique. <i>Journal of Power Sources</i> , 2013 , 237, 277-284	8.9	27
115	Design principles for self-forming interfaces enabling stable lithium-metal anodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27195-27203	11.5	27

114	Novel cathode-supported hollow fibers for light weight micro-tubular solid oxide fuel cells with an active cathode functional layer. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1017-1022	13	26
113	Blue light excited Li ₆ CaLa ₂ M ₂ O ₁₂ :Eu ³⁺ (M=Ta, Sb) red-emitting phosphors: structure and photoluminescence properties. <i>Ceramics International</i> , 2014 , 40, 14781-14786	5.1	26
112	Rubidium and cesium ions as electrolyte additive for improving performance of hard carbon anode in sodium-ion battery. <i>Electrochemistry Communications</i> , 2017 , 83, 20-23	5.1	26
111	Plastic crystal polymer electrolytes containing boron based anion acceptors for room temperature all-solid-state sodium-ion batteries. <i>Energy Storage Materials</i> , 2019 , 22, 57-65	19.4	26
110	Integrating in situ solvothermal approach synthesized nanostructured tin anchored on graphene sheets into film anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 196, 572-578	6.7	25
109	Roles of Fe Ni nanoparticles and SrLaFeO ₄ substrate in the performance and reliability of a composite anode prepared through in-situ exsolution for intermediate temperature solid oxide fuel cells (I). <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 10440-10447	6.7	25
108	A Na ₄ Fe(CN) ₆ /NaCl solid solution cathode material with an enhanced electrochemical performance for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13417	13	25
107	A SnO ₂ -Based Cathode Catalyst for Lithium-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12804-11	9.5	25
106	Red Phosphorus-Embedded Cross-Link-Structural Carbon Films as Flexible Anodes for Highly Reversible Li-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36261-36268	9.5	24
105	Influence of Current Density on Graphite Anode Failure in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5489-A5495	3.9	24
104	Poly(vinylene carbonate)-Based Composite Polymer Electrolyte with Enhanced Interfacial Stability To Realize High-Performance Room-Temperature Solid-State Sodium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43056-43065	9.5	24
103	Energy transfer and 1.8 μ m emission in Yb ³⁺ /Tm ³⁺ co-doped bismuth germanate glass. <i>Ceramics International</i> , 2014 , 40, 6037-6043	5.1	24
102	Preparation and characterization of carbon cryogel (CC) and CC β SiO composite as anode material for lithium-ion battery. <i>Electrochimica Acta</i> , 2008 , 53, 3468-3473	6.7	24
101	Long cycle life of sodium-ion pouch cell achieved by using multiple electrolyte additives. <i>Journal of Power Sources</i> , 2018 , 407, 173-179	8.9	23
100	Synthesis and characterization of non-precious metal binary catalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2012 , 77, 324-329	6.7	23
99	Influence of cathode process on the performance of lithium-air batteries. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11004-11010	6.7	23
98	Non-flammable organic electrolyte for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2020 , 110, 106635	5.1	22
97	A robust high performance cobalt-free oxygen electrode La _{0.5} Sr _{0.5} Fe _{0.8} Cu _{0.15} Nb _{0.05} O ₃ for reversible solid oxide electrochemical cell. <i>Journal of Power Sources</i> , 2017 , 340, 373-379	8.9	21

96	Synthesis, structure and photoluminescence properties of tetragonal tungsten bronze-type Eu ³⁺ -doped K ₂ LaNb ₅ O ₁₅ niobate phosphor. <i>Journal of Luminescence</i> , 2014 , 146, 97-101	3.8	21
95	The oxygen reduction reaction on Pt/TiO _x N _y -based electrocatalyst for PEM fuel cell applications. <i>Journal of Applied Electrochemistry</i> , 2012 , 42, 857-866	2.6	21
94	Influence of metal precursors on the catalytic activity and structure of non-precious metal electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 13219-13226	6.7	21
93	Highly crystalline sodium manganese ferrocyanide microcubes for advanced sodium ion battery cathodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22248-22256	13	21
92	Zirconium stabilized Ba _{0.5} Sr _{0.5} (Co _{0.8} Zr _x)Fe _{0.2} O _{3-δ} perovskite hollow fibre membranes for oxygen separation. <i>Ceramics International</i> , 2011 , 37, 2701-2709	5.1	20
91	Hierarchical Hollow Prussian Blue Rods Synthesized via Self-Sacrifice Template as Cathode for High Performance Sodium Ion Battery. <i>Small Methods</i> , 2019 , 3, 1800259	12.8	20
90	Effectively incorporating iron, nitrogen, and sulfur functionalities on carbon surface for a superior electrocatalyst toward oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2017 , 81, 34-37	5.1	19
89	Novel solid oxide cells with SrCo _{0.8} Fe _{0.1} Ga _{0.1} O _{3-δ} oxygen electrode for flexible power generation and hydrogen production. <i>Journal of Power Sources</i> , 2016 , 306, 226-232	8.9	19
88	Carbon-resistant Ni-YSZ/Cu ₂ O-YSZ dual-layer hollow fiber anode for micro tubular solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3879-3886	6.7	19
87	Influence of lithium precursors and calcination atmospheres on graphene sheets-modified nano-Li ₄ Ti ₅ O ₁₂ anode material. <i>Journal of Power Sources</i> , 2015 , 285, 51-62	8.9	19
86	Effects of Pyrrole Polymerizing Oxidant on the Properties of Pyrolysed Carbon-Supported Cobalt-Polypyrrole as Electrocatalysts for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2013 , 160, F507-F513	3.9	19
85	Impact of synthesis technique on the structure and electrochemical characteristics of Pr _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} (PSCF) cathode material. <i>Solid State Ionics</i> , 2011 , 193, 18-22	3.3	19
84	Sulfated and Persulfated TiO ₂ /MCM-41 Prepared by Grafting Method and their Acid-catalytic Activities for Cyclization of Pseudoionone. <i>Catalysis Letters</i> , 2006 , 107, 155-159	2.8	19
83	A nitrogen-containing carbon film derived from vapor phase polymerized polypyrrole as a fast charging/discharging capability anode for lithium-ion batteries. <i>Chemical Communications</i> , 2016 , 52, 112-5	5.8	18
82	A Regenerative Coking and Sulfur Resistant Composite Anode with Cu Exsolution for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F629-F634	3.9	18
81	Enhanced Electrochemical Performance of Nanofibrous CoO/CNF Cathode Catalyst for Li-O ₂ Batteries. <i>Electrochimica Acta</i> , 2014 , 137, 183-189	6.7	18
80	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. <i>Nano Energy</i> , 2019 , 56, 502-511	17.1	18
79	Identifying Active Sites for Parasitic Reactions at the Cathode-Electrolyte Interface. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 589-594	6.4	17

- 78 Tailored nanoscale interface in a hierarchical carbon nanotube supported MoS₂@MoO₂-C electrode toward high performance sodium ion storage. *Journal of Materials Chemistry A*, **2020**, 8, 11011-11018¹³ 17
- 77 Induced growth of Fe-Nx active sites using carbon templates. *Chinese Journal of Catalysis*, **2018**, 39, 1427-1435 17
- 76 Preparation of new titanium oxy nitride based electro catalysts using an anhydrous sol-gel method for water electrolysis in acid medium. *International Journal of Hydrogen Energy*, **2012**, 37, 7405-7417 6.7 17
- 75 Nanofibrous MnNi/CNF Composite Catalyst for Rechargeable Li/O₂Cell. *Journal of the Electrochemical Society*, **2013**, 160, A1112-A1117 3.9 17
- 74 Selective dopant segregation modulates mesoscale reaction kinetics in layered transition metal oxide. *Nano Energy*, **2021**, 84, 105926 17.1 17
- 73 Online state of charge estimation of lithium-ion batteries: A moving horizon estimation approach. *Chemical Engineering Science*, **2016**, 154, 42-53 4.4 17
- 72 Oxygen reduction reaction with efficient, metal-free nitrogen, fluoride-codoped carbon electrocatalysts derived from melamine hydrogen fluoride salt. *Journal of Colloid and Interface Science*, **2019**, 535, 436-443 9.3 17
- 71 Understanding the Mesoscale Degradation in Nickel-Rich Cathode Materials through Machine-Learning-Revealed StrainRedox Decoupling. *ACS Energy Letters*, **2021**, 6, 687-693 20.1 17
- 70 Novel Nano-composites SDC-LiNaSO as Functional Layer for ITSOFC. *Nano-Micro Letters*, **2015**, 7, 268-275 9.5 16
- 69 Boosting the Sodiation Capability and Stability of FeP by In Situ Anchoring on the Graphene Conductive Framework. *ChemNanoMat*, **2018**, 4, 309-315 3.5 16
- 68 Nd 0.5 Sr 0.5 Fe 0.8 Cu 0.2 O 3.0x Sm 0.2 Ce 0.8 O 1.9 cobalt-free composite cathodes for intermediate temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2014**, 39, 17852-17856⁶ 16
- 67 Microstructure tailoring of YSZ/Ni-YSZ dual-layer hollow fibers for micro-tubular solid oxide fuel cell application. *International Journal of Hydrogen Energy*, **2013**, 38, 6780-6788 6.7 16
- 66 Effects of preparation on electrochemical properties of CoTMPP/C as catalyst for oxygen reduction reaction in acid media. *International Journal of Hydrogen Energy*, **2012**, 37, 13082-13087 6.7 16
- 65 Synthesis and electrochemical characterization of LiFePO₄/C-polypyrrole composite prepared by a simple chemical vapor deposition method. *Journal of Solid State Electrochemistry*, **2012**, 16, 1383-1388 2.6 16
- 64 Pyrolyzed iron-triethylenetetramine on carbon as catalyst for oxygen reduction reaction. *Electrochimica Acta*, **2013**, 87, 599-605 6.7 16
- 63 Effect of the co-spun anode functional layer on the performance of the direct-methane microtubular solid oxide fuel cells. *Journal of Power Sources*, **2014**, 247, 587-593 8.9 15
- 62 A review of rechargeable aprotic lithium-oxygen batteries based on theoretical and computational investigations. *Journal of Materials Chemistry A*, **2021**, 9, 8160-8194 13 15
- 61 Cobalt phosphide embedded in a graphene nanosheet network as a high-performance anode for Li-ion batteries. *Dalton Transactions*, **2019**, 48, 7778-7785 4.3 14

60	Achieving highly reversible and fast sodium storage of Na ₄ V ₂ Mn(PO ₄) ₃ /C-rGO composite with low-fraction rGO via spray-drying technique. <i>Nano Energy</i> , 2021 , 89, 106462	17.1	14
59	Microstructure tailoring of the nickel/luttria stabilised zirconia (Ni/LSZ) cermet hollow fibres. <i>Ceramics International</i> , 2012 , 38, 6327-6334	5.1	13
58	A novel Co(phen) ₂ /C catalyst for the oxygen electrode in rechargeable lithium air batteries. <i>Science Bulletin</i> , 2012 , 57, 1959-1963		13
57	Catalytic properties of Ag promoted ZnO/Al ₂ O ₃ catalysts for hydrogen production by steam reforming of ethanol. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7516-7522	6.7	13
56	Correlating cycle performance improvement and structural alleviation in LiMn _{2-x} M _x O ₄ spinel cathode materials: A systematic study on the effects of metal-ion doping. <i>Electrochimica Acta</i> , 2019 , 298, 806-817	6.7	13
55	Anode-supported single-chamber solid oxide fuel cell based on cobalt-free composite cathode of Nd _{0.5} Sr _{0.5} Fe _{0.8} Cu _{0.2} O _{3-δ} /m _{0.2} Ce _{0.8} O _{1.9} at intermediate temperatures. <i>Journal of Power Sources</i> , 2015 , 286, 217-223	8.9	12
54	Porous FeP/C composite nanofibers as high-performance anodes for Li-ion/Na-ion batteries. <i>Materials Today Energy</i> , 2020 , 16, 100410	7	12
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