

# Zi-Feng

## 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.

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	Multifunctional Catalyst CuS for Nonaqueous Rechargeable Lithium-Oxygen Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 50065-50075	9.5	0
184	Surface Tuning to Promote the Electrocatalysis for Oxygen Evolution Reaction: From Metal-Free to Cobalt-Based Carbon Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 503-513	9.5	5
183	Degradation Mechanism of O3-Type NaNi <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode Materials During Ambient Storage and Their In Situ Regeneration. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2061-2067	6.1	6
182	Structural Tuning of a Flexible and Porous Polypyrrole Film by a Template-Assisted Method for Enhanced Capacitance for Supercapacitor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17726-17735	9.5	11
181	Metathesis Reaction to Form Nanosheet-Structured Co(OH) <sub>2</sub> Deposited on N-Doped Carbon as Composite Electrocatalysts for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 4165-4172	6.1	4
180	Passivating the Surface of Li-Excess Layered Oxide Cathode Materials through Guided Self-Assembly of Metal Hydroxide Thin Films. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6191-6196	6.1	0
179	Selective dopant segregation modulates mesoscale reaction kinetics in layered transition metal oxide. <i>Nano Energy</i> , <b>2021</b> , 84, 105926	17.1	17
178	Polyvinylpyrrolidone assisted synthesized ultra-small Na <sub>4</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) particles embedded in 1D carbon nanoribbons with enhanced room and low temperature sodium storage performance. <i>Journal of Power Sources</i> , <b>2021</b> , 498, 229907	8.9	4
177	Iron Phosphide Confined in Carbon Nanofibers as a Free-Standing Flexible Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 34074-34083	9.5	5
176	Structural and chemical interplay between nano-active and encapsulation materials in a core-shell SnO <sub>2</sub> @MXene lithium ion anode system. <i>CrystEngComm</i> , <b>2021</b> , 23, 368-377	3.3	7
175	High temperature proton exchange membrane fuel cells: progress in advanced materials and key technologies. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 1138-1187	58.5	93
174	Understanding the Mesoscale Degradation in Nickel-Rich Cathode Materials through Machine-Learning-Revealed Strain-Redox Decoupling. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 687-693	20.1	17
173	Dopants modulate crystal growth in molten salts enabled by surface energy tuning. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 19675-19680	13	1
172	N, F dual-doped carbon embedded with Co&CoN paragenetic structure for oxygen electrocatalytic reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 7454-7463	6.7	7
171	Achieving highly reversible and fast sodium storage of Na <sub>4</sub> V <sub>2</sub> Mn(PO <sub>4</sub> ) <sub>3</sub> /C-rGO composite with low-fraction rGO via spray-drying technique. <i>Nano Energy</i> , <b>2021</b> , 89, 106462	17.1	14
170	Equivalent circuit modeling of sodium-ion batteries. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103233	7.8	3
169	A review of rechargeable aprotic lithium-oxygen batteries based on theoretical and computational investigations. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8160-8194	13	15

168	Spray-dried assembly of 3D N,P-Co-doped graphene microspheres embedded with core-shell CoP/MoP@C nanoparticles for enhanced lithium-ion storage. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4555-4566	4.3	6
167	Improved Cycling Performance of P2-NaNiMnO Based on Sn Substitution Combined with Polypyrrole Coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3793-3804	9.5	9
166	Controlling Particle Size and Phase Purity of Single-Crystal $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ in Molten-Salt-Assisted Synthesis. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27937-27945	3.8	5
165	Tailored nanoscale interface in a hierarchical carbon nanotube supported $\text{MoS}_2$ @ $\text{MoO}_2$ -C electrode toward high performance sodium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11011-11018	13.1	17
164	Revealing the Structural Evolution and Phase Transformation of O3-Type $\text{NaNi}_{1/3}\text{Fe}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathode Material on Sintering and Cycling Processes. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6107-6114	6.1	3
163	Single-crystal nickel-rich layered-oxide battery cathode materials: synthesis, electrochemistry, and intra-granular fracture. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 140-149	19.4	152
162	Using $\text{Na}_7\text{V}_4(\text{P}_2\text{O}_7)_4(\text{PO}_4)$ with superior Na storage performance as bipolar electrodes to build a novel high-energy-density symmetric sodium-ion full battery. <i>Journal of Power Sources</i> , <b>2020</b> , 451, 22773-22784	8.9	11
161	Porous FeP/C composite nanofibers as high-performance anodes for Li-ion/Na-ion batteries. <i>Materials Today Energy</i> , <b>2020</b> , 16, 100410	7	12
160	Insights into high capacity and ultrastable carbonaceous anodes for potassium-ion storage via a hierarchical heterostructure. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2836-2842	13	10
159	Non-flammable organic electrolyte for sodium-ion batteries. <i>Electrochemistry Communications</i> , <b>2020</b> , 110, 106635	5.1	22
158	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> , <b>2020</b> , 117, 27195-27203	11.5	27
157	Construction of Multifunctional Nanoarchitectures in One Step on a Composite Fuel Catalyst through In Situ Exsolution of $\text{LaSrFeNiNbO}$ . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34890-34900	8.5	8
156	Lignin-derived nitrogen-doped porous ultrathin layered carbon as a high-rate anode material for sodium-ion batteries. <i>Composites Communications</i> , <b>2020</b> , 22, 100447	6.7	5
155	High-sulfur coal-derived nitrogen, sulfur dual-doped carbon as an economical metal-free electrocatalyst for oxygen reduction reaction.. <i>RSC Advances</i> , <b>2019</b> , 9, 24770-24776	3.7	8
154	Identifying Active Sites for Parasitic Reactions at the Cathode-Electrolyte Interface. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 589-594	6.4	17
153	Rational Design of the Robust Janus Shell on Silicon Anodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17375-17383	9.5	29
152	Cobalt phosphide embedded in a graphene nanosheet network as a high-performance anode for Li-ion batteries. <i>Dalton Transactions</i> , <b>2019</b> , 48, 7778-7785	4.3	14
151	Influence of Current Density on Graphite Anode Failure in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A5489-A5495	3.9	24

150	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 &amp; Interfaces</i> , <b>2019</b> , 11, 43056-43065	9.5	24
149	Highly crystalline sodium manganese ferrocyanide microcubes for advanced sodium ion battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22248-22256	13	21
148	Hierarchical Hollow Prussian Blue Rods Synthesized via Self-Sacrifice Template as Cathode for High Performance Sodium Ion Battery. <i>Small Methods</i> , <b>2019</b> , 3, 1800259	12.8	20
147	Correlating cycle performance improvement and structural alleviation in LiMn <sub>2-x</sub> M <sub>x</sub> O <sub>4</sub> spinel cathode materials: A systematic study on the effects of metal-ion doping. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 806-817	6.7	13
146	Plastic crystal polymer electrolytes containing boron based anion acceptors for room temperature all-solid-state sodium-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 22, 57-65	19.4	26
145	Coaxial Carbon Nanotube Supported TiO@MoO@Carbon Core-Shell Anode for Ultrafast and High-Capacity Sodium Ion Storage. <i>ACS Nano</i> , <b>2019</b> , 13, 671-680	16.7	29
144	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. <i>Nano Energy</i> , <b>2019</b> , 56, 502-511	17.1	18
143	Oxygen reduction reaction with efficient, metal-free nitrogen, fluoride-codoped carbon electrocatalysts derived from melamine hydrogen fluoride salt. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 535, 436-443	9.3	17
142	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702619	21.8	299
141	Challenges in Developing Electrodes, Electrolytes, and Diagnostics Tools to Understand and Advance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702403	21.8	164
140	Boosting the Sodiation Capability and Stability of FeP by In Situ Anchoring on the Graphene Conductive Framework. <i>ChemNanoMat</i> , <b>2018</b> , 4, 309-315	3.5	16
139	3D red phosphorus/sheared CNT sponge for high performance lithium-ion battery anodes. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 267-273	19.4	51
138	Multi-zone parallel-series plug flow reactor model with catalyst deactivation effect for continuous catalytic reforming process. <i>Chemical Engineering Science</i> , <b>2018</b> , 175, 306-319	4.4	11
137	A solid polymer electrolyte based on star-like hyperbranched Cyclodextrin for all-solid-state sodium batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 399, 363-371	8.9	28
136	Lithium sulfonate-grafted poly(vinylidene fluoride-hexafluoro propylene) ionomer as binder for lithium-ion batteries. <i>RSC Advances</i> , <b>2018</b> , 8, 20025-20031	3.7	11
135	Probing Thermal and Chemical Stability of Na <sub>x</sub> Ni <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode Material toward Safe Sodium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4909-4918	9.6	36
134	Induced growth of Fe-N <sub>x</sub> active sites using carbon templates. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 1427-1435	14.35	17
133	Roles of Fe Ni nanoparticles and SrLaFeO <sub>4</sub> 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> , <b>2018</b> , 43, 10440-10447	6.7	25

132	Long cycle life of sodium-ion pouch cell achieved by using multiple electrolyte additives. <i>Journal of Power Sources</i> , <b>2018</b> , 407, 173-179	8.9	23
131	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> , <b>2018</b> , 165, F629-F634	3.9	18
130	Incorporation of Co into MoS <sub>2</sub> /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <i>Journal of Power Sources</i> , <b>2018</b> , 373, 103-109	8.9	47
129	A self-assembled dual-phase composite as a precursor of high-performance anodes for intermediate temperature solid oxide fuel cells. <i>Chemical Communications</i> , <b>2018</b> , 54, 12341-12344	5.8	7
128	Urchin-like MoP Nanocrystals Embedded in N-Doped Carbon as High Rate Lithium Ion Battery Anode. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 7140-7145	6.1	10
127	Nitrogen and Phosphorus Codoped Porous Carbon Framework as Anode Material for High Rate Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36969-36975	9.5	35
126	Carbon-coated FeP nanoparticles anchored on carbon nanotube networks as an anode for long-life sodium-ion storage. <i>Chemical Communications</i> , <b>2018</b> , 54, 11348-11351	5.8	29
125	Improved Performance of Rechargeable Li-O <sub>2</sub> Batteries with Plate-like SnS <sub>2</sub> as Efficient Cathode Catalyst. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3373-3378	4.3	9
124	Thermal Evolution of the Structure and Activity of Non-Doped Graphene as Metal-Free Oxygen Reduction Electrocatalysts. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, F526-F532	3.9	2
123	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> , <b>2017</b> , 139, 1384-1387	16.4	90
122	Challenges of Spinel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> for Lithium-Ion Battery Industrial Applications. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601625	21.8	215
121	Incorporation of rubidium cations into Li <sub>1.2</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> O <sub>2</sub> layered oxide cathodes for improved cycling stability. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 363-370	6.7	33
120	Sulfur tolerant redox stable layered perovskite SrLaFeO <sub>4</sub> as anode for solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2017</b> , 76, 51-54	5.1	28
119	An Active Amorphous Carbon Material with Fe <sub>2</sub> C Nanocrystals Encapsulated as a High Performance Electrode for Lithium-Ion Batteries. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1854-1859	1.8	6
118	Multi-objective steady-state optimization of two-chamber microbial fuel cells. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 1000-1012	3.2	5
117	Electrolyte design strategies and research progress for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1075-1101	35.4	320
116	Improve the electrocatalytic performance of non-precious metal CoDETA/C catalyst for oxygen reduction reaction by post-treatment. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 14115-14123	6.7	1
115	Tuning NbPt Interactions To Facilitate Fuel Cell Electrocatalysis. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4936-4946	13.1	39

114	Effectively incorporating iron, nitrogen, and sulfur functionalities on carbon surface for a superior electrocatalyst toward oxygen reduction reaction. <i>Electrochemistry Communications</i> , <b>2017</b> , 81, 34-37	5.1	19
113	Metal and Metal Oxide Interactions and Their Catalytic Consequences for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7893-7903	16.4	95
112	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> , <b>2017</b> , 235, 317-322	6.7	39
111	Improved cycling performance of prussian blue cathode for sodium ion batteries by controlling operation voltage range. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 235-242	6.7	38
110	A robust high performance cobalt-free oxygen electrode La <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>0.8</sub> Cu <sub>0.15</sub> Nb <sub>0.05</sub> O <sub>3</sub> for reversible solid oxide electrochemical cell. <i>Journal of Power Sources</i> , <b>2017</b> , 340, 373-379	8.9	21
109	Red Phosphorus-Embedded Cross-Link-Structural Carbon Films as Flexible Anodes for Highly Reversible Li-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36261-36268	9.5	24
108	Experimental Proof of the Bifunctional Mechanism for the Hydrogen Oxidation in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15594-15598	16.4	118
107	Rubidium and cesium ions as electrolyte additive for improving performance of hard carbon anode in sodium-ion battery. <i>Electrochemistry Communications</i> , <b>2017</b> , 83, 20-23	5.1	26
106	NiMnO as an efficient cathode catalyst for rechargeable lithium-air batteries. <i>Chemical Communications</i> , <b>2017</b> , 53, 8164-8167	5.8	29
105	A unified modeling framework for lithium-ion batteries: An artificial neural network based thermal coupled equivalent circuit model approach. <i>Energy</i> , <b>2017</b> , 138, 118-132	7.9	55
104	Interfacial reactions in lithium batteries. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 303001	3	10
103	Microwave-Assisted Synthesis of Monophase and Low-Platinum PtRu Alloy Nanoparticles and the Catalytic Performance Towards Methanol Oxidation. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F1641-F1647	3.9	
102	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> , <b>2016</b> , 52, 11255-11258	5.8	18
101	Influence of Structural Imperfection on Electrochemical Behavior of Prussian Blue Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, A2117-A2123	3.9	38
100	In Operando XRD and TXM Study on the Metastable Structure Change of NaNi <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> under Electrochemical Sodium-Ion Intercalation. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601306	21.8	95
99	Monolayer Nickel Cobalt Hydroxyl Carbonate for High Performance All-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22997-3005	9.5	119
98	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601056	21.8	83
97	Structural and mechanistic basis for the high activity of FeNi catalysts toward oxygen reduction. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2418-2432	35.4	365

96	Na <sub>2</sub> Ge <sub>4</sub> O <sub>9</sub> 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> , <b>2016</b> , 4, 10552-10557	13	34
95	Carbon coated SnO <sub>2</sub> nanoparticles anchored on CNT as a superior anode material for lithium-ion batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 4121-6	7.7	113
94	Large-Scale Synthesis of NaNi <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> as High Performance Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, A565-A570	3.9	72
93	Novel solid oxide cells with SrCo <sub>0.8</sub> Fe <sub>0.1</sub> Ga <sub>0.1</sub> O <sub>3-δ</sub> oxygen electrode for flexible power generation and hydrogen production. <i>Journal of Power Sources</i> , <b>2016</b> , 306, 226-232	8.9	19
92	Integrating in situ solvothermal approach synthesized nanostructured tin anchored on graphene sheets into film anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 196, 572-578	6.7	25
91	A systematical evaluation of polynomial based equivalent circuit model for charge redistribution dominated self-discharge process in supercapacitors. <i>Journal of Power Sources</i> , <b>2016</b> , 303, 294-304	8.9	31
90	Online state of charge estimation of lithium-ion batteries: A moving horizon estimation approach. <i>Chemical Engineering Science</i> , <b>2016</b> , 154, 42-53	4.4	17
89	Atomically thin layered NiFe double hydroxides assembled 3D microspheres with promoted electrochemical performances. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 675-681	8.9	42
88	A Data-Driven Gaussian Process Regression Model for Two-Chamber Microbial Fuel Cells. <i>Fuel Cells</i> , <b>2016</b> , 16, 365-376	2.9	8
87	Flexible Overoxidized Polypyrrole Films with Orderly Structure as High-Performance Anodes for Li- and Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 35114-35122	9.5	36
86	The role of nanotechnology in the development of battery materials for electric vehicles. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 1031-1038	28.7	462
85	Process engineering in electrochemical energy devices innovation. <i>Chinese Journal of Chemical Engineering</i> , <b>2016</b> , 24, 39-47	3.2	11
84	Simultaneous model selection and parameter estimation for lithium-ion batteries: A sequential MINLP solution approach. <i>AIChE Journal</i> , <b>2016</b> , 62, 78-89	3.6	9
83	A SnO <sub>2</sub> -Based Cathode Catalyst for Lithium-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12804-11	9.5	25
82	Silica Wastes to High-Performance Lithium Storage Materials: A Rational Designed Al <sub>2</sub> O <sub>3</sub> Coating Assisted Magnesiothermic Process. <i>Small</i> , <b>2016</b> , 12, 5281-5287	11	43
81	Properties of Pyrolyzed Carbon-Supported Cobalt-Polypyrrole as Electrocatalyst toward Oxygen Reduction Reaction in Alkaline Media. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F359-F365	3.9	10
80	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> , <b>2015</b> , 3, 1017-1022	13	26
79	Porous Ni <sub>0.14</sub> Mn <sub>0.86</sub> O <sub>1.43</sub> hollow microspheres as high-performing anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 291, 156-162	8.9	28

78	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> , <b>2015</b> , 16, 235-246	17.1	56
77	Embedding Monotonicity in the Construction of Polynomial Open-Circuit Voltage Model for Lithium-Ion Batteries: A Semi-infinite Programming Formulation Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3167-3174	3.9	8
76	Anode-supported single-chamber solid oxide fuel cell based on cobalt-free composite cathode of Nd <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>0.8</sub> Cu <sub>0.2</sub> O <sub>3-δ</sub> /Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> at intermediate temperatures. <i>Journal of Power Sources</i> , <b>2015</b> , 286, 217-223	8.9	12
75	State of health estimation of lithium-ion batteries: A multiscale Gaussian process regression modeling approach. <i>AIChE Journal</i> , <b>2015</b> , 61, 1589-1600	3.6	77
74	Novel Nano-composites SDC-LiNaSO as Functional Layer for ITSOFC. <i>Nano-Micro Letters</i> , <b>2015</b> , 7, 268-275	5.5	16
73	A cobalt-free electrode material La <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>0.8</sub> Cu <sub>0.2</sub> O <sub>3-δ</sub> for symmetrical solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2015</b> , 61, 18-22	5.1	44
72	A review of cathode materials and structures for rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2144-2198	35.4	338
71	Three-dimensional network macro-porous cobalt oxide as catalyst for LiO <sub>2</sub> cells. <i>Journal of Power Sources</i> , <b>2015</b> , 291, 255-260	8.9	4
70	Influence of lithium precursors and calcination atmospheres on graphene sheets-modified nano-Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode material. <i>Journal of Power Sources</i> , <b>2015</b> , 285, 51-62	8.9	19
69	Garnet-based red emitting phosphors Li <sub>6</sub> MLa <sub>2</sub> Nb <sub>2</sub> O <sub>12</sub> : Eu <sup>3+</sup> (M=Ca, Sr, Ba): Photoluminescence improvement by changing crystal lattice. <i>Ceramics International</i> , <b>2014</b> , 40, 3237-3241	5.1	40
68	Nd <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>0.8</sub> Cu <sub>0.2</sub> O <sub>3-δ</sub> /Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> cobalt-free composite cathodes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 17852-17856	6.7	16
67	A novel graphene sheet-wrapped Co <sub>2</sub> (OH) <sub>3</sub> Cl composite as a long-life anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16925-16930	13	33
66	A flexible and binder-free reduced graphene oxide/Na <sub>2</sub> /3[Ni <sub>1</sub> /3Mn <sub>2</sub> /3]O <sub>2</sub> composite electrode for high-performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6723-6726	13	46
65	One-Pot Spray-Dried Graphene Sheets-Encapsulated Nano-Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Microspheres for a Hybrid BatCap System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 10849-10857	3.9	51
64	Blue light excited Li <sub>6</sub> CaLa <sub>2</sub> M <sub>2</sub> O <sub>12</sub> :Eu <sup>3+</sup> (M=Ta, Sb) red-emitting phosphors: structure and photoluminescence properties. <i>Ceramics International</i> , <b>2014</b> , 40, 14781-14786	5.1	26
63	Investigation of Non-Precious Metal Co <sub>4</sub> -Based Oxygen Reduction Catalyst by Electrochemical and X-ray Absorption Spectroscopy Techniques. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H155-H160	3.9	10
62	Optimal Source-Sink Matching in Carbon Capture and Storage Systems under Uncertainty. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 778-785	3.9	34
61	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> , <b>2014</b> , 2, 9200-9207	13	53



60	The Effect of TiO <sub>2</sub> on the Catalytic Activity of a PtRu/C Catalyst for Methanol Oxidation. <i>Electrocatalysis</i> , <b>2014</b> , 5, 387-395	2.7	12
59	Template-free hydrothermal synthesis of Li <sub>2</sub> FeSiO <sub>4</sub> hollow spheres as cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12982	13	55
58	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> , <b>2014</b> , 39, 267-276	6.7	28
57	Effect of the co-spun anode functional layer on the performance of the direct-methane microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2014</b> , 247, 587-593	8.9	15
56	Influence of pyrolyzing atmosphere on the catalytic activity and structure of Co-based catalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2014</b> , 115, 1-9	6.7	12
55	Effects of composition on electrochemical properties of a non-precious metal catalyst towards oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 16006-16014	6.7	6
54	Energy transfer and 1.8 $\mu$ m emission in Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped bismuth germanate glass. <i>Ceramics International</i> , <b>2014</b> , 40, 6037-6043	5.1	24
53	Synthesis, structure and photoluminescence properties of tetragonal tungsten bronze-type Eu <sup>3+</sup> -doped K <sub>2</sub> LaNb <sub>5</sub> O <sub>15</sub> niobate phosphor. <i>Journal of Luminescence</i> , <b>2014</b> , 146, 97-101	3.8	21
52	Carbon-resistant Ni-YSZ/CuTeO <sub>2</sub> -YSZ dual-layer hollow fiber anode for micro tubular solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 3879-3886	6.7	19
51	Structure and Properties of Novel Cobalt-Free Oxides Nd <sub>x</sub> Sr <sub>1-x</sub> Fe <sub>0.8</sub> Cu <sub>0.2</sub> O <sub>3</sub> [(0.3 <math>x</math> 0.7) as Cathodes of Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13357-13368	3.8	78
50	Enhanced Electrochemical Performance of Nanofibrous CoO/CNF Cathode Catalyst for Li-O <sub>2</sub> Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 183-189	6.7	18
49	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> , <b>2014</b> , 255, 76-84	8.9	39
48	Comparative investigation on the properties of carbon-supported cobalt-polypyrrole pyrolyzed at various conditions as electrocatalyst towards oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 15937-15947	6.7	8
47	Electrochemical properties of P <sub>2</sub> -Na <sub>2/3</sub> [Ni <sub>1/3</sub> Mn <sub>2/3</sub> ]O <sub>2</sub> cathode material for sodium ion batteries when cycled in different voltage ranges. <i>Electrochimica Acta</i> , <b>2013</b> , 113, 200-204	6.7	144
46	Fabrication of Y <sub>2</sub> O <sub>3</sub> -stabilized-ZrO <sub>2</sub> (YSZ)/La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> /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> , <b>2013</b> , 237, 277-284	8.9	27
45	Preparation and characterization of new cobalt-free cathode Pr <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>0.8</sub> Cu <sub>0.2</sub> O <sub>3</sub> for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 10527-10533	6.7	39
44	Nanofibrous MnNi/CNF Composite Catalyst for Rechargeable Li/O <sub>2</sub> Cell. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A1112-A1117	3.9	17
43	A Na <sub>4</sub> Fe(CN) <sub>6</sub> /NaCl solid solution cathode material with an enhanced electrochemical performance for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13417	13	25

42	Facile Spray Drying Route for the Three-Dimensional Graphene-Encapsulated Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Lithium Ion Battery Anodes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 1197-1204	3.9	105
41	Influence of ethanol supercritical drying treatment on morphology and electrochemical properties of DyBaCo <sub>2</sub> O <sub>5</sub> + cathode material. <i>Ceramics International</i> , <b>2013</b> , 39, 4481-4488	5.1	1
40	Microstructure tailoring of YSZ/Ni-YSZ dual-layer hollow fibers for micro-tubular solid oxide fuel cell application. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 6780-6788	6.7	16
39	Silicone surfactant templating for mesoporous silica@carbon complex. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 174, 62-66	5.3	6
38	Use of polypyrrole in catalysts for low temperature fuel cells. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 1105	35.4	137
37	Pyrolyzed iron-triethylenetetramine on carbon as catalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 599-605	6.7	16
36	Robust Optimal Operation of Two-Chamber Microbial Fuel Cell System Under Uncertainty: A Stochastic Simulation Based Multi-Objective Genetic Algorithm Approach. <i>Fuel Cells</i> , <b>2013</b> , 13, 321-335	2.9	10
35	Influence of cathode process on the performance of lithium-air batteries. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 11004-11010	6.7	23
34	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> , <b>2013</b> , 160, F507-F513	3.9	19
33	Preparation of new titanium oxy nitride based electro catalysts using an anhydrous sol-gel method for water electrolysis in acid medium. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 7405-7417	6.7	17
32	Synthesis and characterization of non-precious metal binary catalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , <b>2012</b> , 77, 324-329	6.7	23
31	The oxygen reduction reaction on Pt/TiO <sub>x</sub> N <sub>y</sub> -based electrocatalyst for PEM fuel cell applications. <i>Journal of Applied Electrochemistry</i> , <b>2012</b> , 42, 857-866	2.6	21
30	Microstructure tailoring of the nickelyttria stabilised zirconia (Ni <sub>3</sub> YSZ) cermet hollow fibres. <i>Ceramics International</i> , <b>2012</b> , 38, 6327-6334	5.1	13
29	Effects of preparation on electrochemical properties of CoTMPP/C as catalyst for oxygen reduction reaction in acid media. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13082-13087	6.7	16
28	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> , <b>2012</b> , 37, 13219-13226	6.7	21
27	A novel Co(phen) <sub>2</sub> /C catalyst for the oxygen electrode in rechargeable lithium air batteries. <i>Science Bulletin</i> , <b>2012</b> , 57, 1959-1963		13
26	Synthesis and electrochemical characterization of LiFePO <sub>4</sub> /C-polypyrrole composite prepared by a simple chemical vapor deposition method. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 1383-1388	2.6	16
25	CO <sub>2</sub> reforming of dimethyl ether over Ni/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Catalysis Communications</i> , <b>2012</b> , 17, 49-53	3.2	8

24	Effects of heat-treatment temperature on properties of CobaltManganeseBoride as efficient catalyst toward hydrolysis of alkaline sodium borohydride solution. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 995-1001	6.7	41
23	Rechargeable Li/O <sub>2</sub> Cell Based on a LiTFSI-DMMP/PFSA-Li Composite Electrolyte. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, A1874-A1879	3.9	11
22	Pt/C doped TiO <sub>2</sub> /SWNTs as catalyst for methanol oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 3970-3	1.3	7
21	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> , <b>2011</b> , 1, 958	3.7	78
20	High voltage supercapacitors using hydrated graphene film in a neutral aqueous electrolyte. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1166-1169	5.1	61
19	Synthesis and characterization of terbium doped barium cerates as a proton conducting SOFC electrolyte. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 13067-13072	6.7	31
18	Zirconium stabilized Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Co <sub>0.8</sub> Zr <sub>x</sub> )Fe <sub>0.2</sub> O <sub>3-δ</sub> perovskite hollow fibre membranes for oxygen separation. <i>Ceramics International</i> , <b>2011</b> , 37, 2701-2709	5.1	20
17	Ordered gelation of chemically converted graphene for next-generation electroconductive hydrogel films. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7325-8	16.4	260
16	Synthesis of mono-substituted derivatives of 6-aminoquinoline. <i>Chinese Chemical Letters</i> , <b>2011</b> , 22, 253-255	2.5	2
15	Electrochemical characteristics and intercalation mechanism of ZnS/C composite as anode active material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 1213-1218	6.7	84
14	Investigation on thermal, electrical, and electrochemical properties of scandium-doped Pr <sub>0.6</sub> Sr <sub>0.4</sub> (Co <sub>0.2</sub> Fe <sub>0.8</sub> ) <sub>1-x</sub> Sc <sub>x</sub> O <sub>3-δ</sub> as cathode for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 3989-3996	6.7	51
13	Catalytic properties of Ag promoted ZnO/Al <sub>2</sub> O <sub>3</sub> catalysts for hydrogen production by steam reforming of ethanol. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 7516-7522	6.7	13
12	Study on the membrane electrode assembly fabrication with carbon supported cobalt triethylenetetramine as cathode catalyst for proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 1899-1903	8.9	1
11	Impact of synthesis technique on the structure and electrochemical characteristics of Pr <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> (PSCF) cathode material. <i>Solid State Ionics</i> , <b>2011</b> , 193, 18-22	3.3	19
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9	A Co(OH) <sub>2</sub> /graphene nanosheets composite as a high performance anode material for rechargeable lithium batteries. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 570-573	5.1	129
8	Electrochemical performance of a novel CoTETA/C catalyst for the oxygen reduction reaction. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 206-208	5.1	46
7	Preparation and characterization of carbon cryogel (CC) and CCBiO composite as anode material for lithium-ion battery. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 3468-3473	6.7	24

6	Preparation of Low Loading Pt/C Catalyst by Carbon Xerogel Method for Ethanol Electrooxidation. <i>Catalysis Letters</i> , <b>2008</b> , 122, 111-114	2.8	8
5	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> , <b>2008</b> , 183, 14-19	8.9	75
4	Preparation and characterization of carbon xerogel (CX) and CXBiO composite as anode material for lithium-ion battery. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2591-2595	5.1	43
3	Synthesis of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode material from oxalate precursors for lithium ion battery. <i>Journal of Fluorine Chemistry</i> , <b>2007</b> , 128, 139-143	2.1	67
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1	Study on hydrogen diffusion behavior in AB <sub>5</sub> -type hydrogen storage alloys with galvanostatic intermittent titration technique (GITT). <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 385, 90-95	5.7	7