

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.

143 papers	4,748 citations	38 h-index	61 g-index
148 ext. papers	5,866 ext. citations	9.8 avg, IF	5.82 L-index

#	Paper	IF	Citations
143	Tailoring lithium-peroxide reaction kinetics with CuN <sub>2</sub> C <sub>2</sub> single-atom moieties for lithium-oxygen batteries. <i>Nano Energy</i> , <b>2022</b> , 93, 106810	17.1	2
142	Single-Atom Tailored Hierarchical Transition Metal Oxide Nanocages for Efficient Lithium Storage.. <i>Small</i> , <b>2022</b> , e2200367	11	2
141	A dynamic Ni(OH) <sub>2</sub> -NiOOH/NiFeP heterojunction enabling high-performance E-upgrading of hydroxymethylfurfural. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 311, 121357	21.8	6
140	Pt/C-TiO <sub>2</sub> as Oxygen Reduction Electrocatalysts against Sulfur Poisoning. <i>Catalysts</i> , <b>2022</b> , 12, 571	4	
139	Achieving high-energy-density magnesium/sulfur battery via a passivation-free Mg-Li alloy anode. <i>Energy Storage Materials</i> , <b>2022</b> , 50, 380-386	19.4	0
138	Substrate strain tunes operando geometric distortion and oxygen reduction activity of CuNC single-atom sites. <i>Nature Communications</i> , <b>2021</b> , 12, 6335	17.4	20
137	Conjugation Induced Anchoring of Ferrocene on Graphdiyne Enable Shuttle-Free Redox Mediation in Lithium-Oxygen Batteries. <i>Advanced Science</i> , <b>2021</b> , e2103964	13.6	1
136	Stable Silicon Anodes by Molecular Layer Deposited Artificial Zincone Coatings. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010526	15.6	13
135	Engineering Molecular Polymerization for Template-Free SiO <sub>x</sub> /C Hollow Spheres as Ultrastable Anodes in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101145	15.6	18
134	Formation of an Artificial Mg-Permeable Interphase on Mg Anodes Compatible with Ether and Carbonate Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24565-24574	9.5	7
133	An Interphase-enhanced Liquid Na-K Anode for Dendrite-free Alkali Metal Batteries Enabled by SiCl <sub>4</sub> Electrolyte Additive. <i>Energy Storage Materials</i> , <b>2021</b> , 37, 199-206	19.4	9
132	LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> /graphite batteries storing at high temperature: Capacity fading and raveling of aging mechanisms. <i>Journal of Power Sources</i> , <b>2021</b> , 496, 229858	8.9	6
131	Stabilizing Lithium Metal Anode Enabled by a Natural Polymer Layer for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28252-28260	9.5	6
130	Re-Looking into the Active Moieties of Metal X-ides (X = Phosph-, Sulf-, Nitr-, and Carb-) Toward Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102918	15.6	24
129	Deactivated Pt Electrocatalysts for the Oxygen Reduction Reaction: The Regeneration Mechanism and a Regenerative Protocol. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9293-9299	13.1	2
128	A bifunctional perovskite oxide catalyst: The triggered oxygen reduction/evolution electrocatalysis by moderated Mn-Ni co-doping. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 54, 217-224	12	12
127	Intercalation pseudocapacitive electrochemistry of Nb-based oxides for fast charging of lithium-ion batteries. <i>Nano Energy</i> , <b>2021</b> , 81, 105635	17.1	21

126	Proof-of-concept fabrication of carbon structure in CuNi catalysts of both high ORR activity and stability. <i>Carbon</i> , <b>2021</b> , 174, 683-692	10.4	9
125	Novel carbon structures as highly stable supports for electrocatalysts in acid media: regulating the oxygen functionalization behavior of carbon. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 10802-10809	3.6	0
124	Reversible Silicon Anodes with Long Cycles by Multifunctional Volumetric Buffer Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4093-4101	9.5	12
123	Photoelectrochemistry-driven selective hydroxyl oxidation of polyols: Synergy between Au nanoparticles and C <sub>3</sub> N <sub>4</sub> nanosheets. <i>Chem Catalysis</i> , <b>2021</b> , 1, 1260-1260		3
122	An artificial interphase enables the use of Mg(TFSI) <sub>2</sub> -based electrolytes in magnesium metal batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130751	14.7	12
121	Monovacancy Coupled Pyridinic N Site Enables Surging Oxygen Reduction Activity of Metal-Free CN <sub>x</sub> Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1264-1271	8.3	2
120	Polyvinylpyrrolidone-Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15902-15907	16.4	38
119	Bifunctional LaMnCoO Perovskite Oxide Catalyst for Oxygen Reduction and Evolution Reactions: The Optimized e <sup>-</sup> Electronic Structures by Manganese Dopant. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24717-24725	9.5	34
118	Active and Stable PtNi Alloy Octahedra Catalyst for Oxygen Reduction via Near-Surface Atomical Engineering. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4205-4214	13.1	47
117	Perovskite LaCoMnO with Tunable Defect and Surface Structures as Cathode Catalysts for Li-O Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 10452-10460	9.5	11
116	A dual-salt coupled fluoroethylene carbonate succinonitrile-based electrolyte enables Li-metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2066-2073	13	35
115	Improving electrochemical performance of Nano-Si/N-doped carbon through tuning the microstructure from two dimensions to three dimensions. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135507	6.7	15
114	Se-doped carbon as highly stable cathode material for high energy nonaqueous Li-O <sub>2</sub> batteries. <i>Chemical Engineering Science</i> , <b>2020</b> , 214, 115413	4.4	8
113	Unraveling the Relationship between Ti <sup>4+</sup> Doping and Li <sup>+</sup> Mobility Enhancement in Ti <sup>4+</sup> Doped Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 715-722	6.1	6
112	Sulfur Dioxide-Tolerant Bimetallic PtRu Catalyst toward Oxygen Electoreduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1295-1301	8.3	10
111	Inducing uniform lithium nucleation by integrated lithium-rich li-in anode with lithiophilic 3D framework. <i>Energy Storage Materials</i> , <b>2020</b> , 33, 423-431	19.4	26
110	Enabling Highly Stable Li-O <sub>2</sub> Batteries with Full Discharge/Charge Capability: The Porous Binder- and Carbon-Free IrNi Nanosheet Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 16115-16123	8.3	2
109	Synergistic engineering of defects and architecture in Co <sub>3</sub> O <sub>4</sub> @C nanosheets toward Li/Na ion batteries with enhanced pseudocapacitances. <i>Nano Energy</i> , <b>2020</b> , 78, 105366	17.1	53

108	Unraveling the Promotion Effects of a Soluble Cobaltocene Catalyst with Respect to Li-O Battery Discharge. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7028-7034	6.4	9
107	Solvate ionic liquid boosting favorable interfaces kinetics to achieve the excellent performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anodes in Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub> based solid-state batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 123046	14.7	5
106	High loading single-atom Cu dispersed on graphene for efficient oxygen reduction reaction. <i>Nano Energy</i> , <b>2019</b> , 66, 104088	17.1	88
105	Highly stable one-dimensional Pt nanowires with modulated structural disorder towards the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24830-24836	13	14
104	Enhancing high-voltage performances of nickel-based cathode material via aluminum and progressive concentration gradient modification. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 459-467	6.7	5
103	Direct dimethyl ether fuel cells with low platinum-group-metal loading at anode: Investigations of operating temperatures and anode Pt/Ru ratios. <i>Journal of Power Sources</i> , <b>2019</b> , 433, 126690	8.9	9
102	Scalable mesoporous silicon microparticles composed of interconnected nanoplates for superior lithium storage. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121923	14.7	21
101	Lithium-Ion Batteries: Radially Oriented Single-Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material for Lithium-Ion Batteries (Adv. Energy Mater. 15/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970051	21.8	7
100	Investigating the Structure of an Active Material/Carbon Interface in the Monoclinic Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite Cathode. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3692-3702	6.1	6
99	Progressive concentration gradient nickel-rich oxide cathode material for high-energy and long-life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7728-7735	13	38
98	Amorphous carbon-encapsulated Si nanoparticles loading on MCMB with sandwich structure for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 590-598	6.7	31
97	Improved Electrochemical Performance of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Material by Coating of Graphene Nanodots. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A1038-A1044	3.9	16
96	Three-dimensional layered double hydroxides on carbon nanofibers: The engineered mass transfer channels and active sites towards oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2019</b> , 485, 41-47	6.7	18
95	A porous N-doped carbon aggregate as sulfur host for lithium-sulfur batteries. <i>Ionics</i> , <b>2019</b> , 25, 2131-2138	3.7	5
94	Scalable submicron/micron silicon particles stabilized in a robust graphite-carbon architecture for enhanced lithium storage. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 555, 783-790	9.3	13
93	Trimetallic PtPdNi octahedral nanocages with subnanometer thick-wall towards high oxygen reduction reaction. <i>Nano Energy</i> , <b>2019</b> , 64, 103890	17.1	25
92	Unraveling the Origins of the Unreactive Core in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2007-2012	20.1	25
91	Pseudocapacitive Li <sup>+</sup> storage boosts ultrahigh rate performance of structure-tailored CoFe <sub>2</sub> O <sub>4</sub> @Fe <sub>2</sub> O <sub>3</sub> hollow spheres triggered by engineered surface and near-surface reactions. <i>Nano Energy</i> , <b>2019</b> , 66, 104179	17.1	30

90	Engineering of Nitrogen Coordinated Single Cobalt Atom Moieties for Oxygen Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41258-41266	9.5	32
89	Layer-by-Layer Engineered Silicon-Based Sandwich Nanomat as Flexible Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39970-39978	9.5	17
88	A quasi-solid-state LiB battery with high energy density, superior stability and safety. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6533-6542	13	24
87	Radially Oriented Single-Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803963	21.8	143
86	Ti-Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. <i>Small</i> , <b>2019</b> , 15, e1904740	11	69
85	Enhanced Electrochemical Performance of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Material via Li <sub>2</sub> TiO <sub>3</sub> Nanoparticles Coating. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A143-A150	3.9	22
84	Superior catalytic performance and CO tolerance of Ru@Pt/C-TiO <sub>2</sub> electrocatalyst toward methanol oxidation reaction. <i>Applied Surface Science</i> , <b>2019</b> , 473, 943-950	6.7	31
83	A three-dimensional silicon/nitrogen-doped graphitized carbon composite as high-performance anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 777, 190-197	5.7	40
82	Palladium nanocrystals-imbedded mesoporous hollow carbon spheres with enhanced electrochemical kinetics for high performance lithium sulfur batteries. <i>Carbon</i> , <b>2019</b> , 143, 878-889	10.4	54
81	Enhanced Methanol Oxidation in Acid Media on Pt/S, P Co-doped Graphene with 3D Porous Network Structure Engineering. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1157-1165	4.3	7
80	A multifunctional silicotungstic acid-modified Li-rich manganese-based cathode material with excellent electrochemical properties. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 101-108	2.6	1
79	ZIF-8 with Ferrocene Encapsulated: A Promising Precursor to Single-Atom Fe Embedded Nitrogen-Doped Carbon as Highly Efficient Catalyst for Oxygen Electroreduction. <i>Small</i> , <b>2018</b> , 14, e1704282	11.8	148
78	Enhanced electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> through in-situ coating 70Li <sub>2</sub> S-30P <sub>2</sub> S <sub>5</sub> solid electrolyte for all-solid-state lithium batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 752, 8-13	5.7	17
77	Unravelling the Enhanced High-Temperature Performance of Lithium-Rich Oxide Cathode with Methyl Diphenylphosphinite as Electrolyte Additive. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1569-1575	4.3	26
76	Polyaniline-encapsulated silicon on three-dimensional carbon nanotubes foam with enhanced electrochemical performance for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 381, 156-163	8.9	60
75	A two-dimensional nitrogen-rich carbon/silicon composite as high performance anode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 341, 37-46	14.7	66
74	3D hierarchical Co/CoO/C nanocomposites with mesoporous microspheres grown on nickel foam as cathodes for Li-O <sub>2</sub> batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 749, 378-384	5.7	11
73	Probing Battery Electrochemistry with In Operando Synchrotron X-Ray Imaging Techniques. <i>Small Methods</i> , <b>2018</b> , 2, 1700293	12.8	44

72	Enabling reliable lithium metal batteries by a bifunctional anionic electrolyte additive. <i>Energy Storage Materials</i> , <b>2018</b> , 11, 197-204	19.4	82
71	Pt nanoparticles supported by sulfur and phosphorus co-doped graphene as highly active catalyst for acidic methanol electrooxidation. <i>Electrochimica Acta</i> , <b>2018</b> , 285, 202-213	6.7	28
70	Unravelling the Interface Layer Formation and Gas Evolution/Suppression on a TiNbO Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 27056-27062	9.5	35
69	Accelerated aging and degradation mechanism of LiFePO <sub>4</sub> /graphite batteries cycled at high discharge rates.. <i>RSC Advances</i> , <b>2018</b> , 8, 25695-25703	3.7	21
68	Free-Standing Sandwich-Type Graphene/Nanocellulose/Silicon Laminar Anode for Flexible Rechargeable Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29638-29646	9.5	48
67	Electrocatalytic valorisation of biomass derived chemicals. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 3216-3232	5.5	73
66	State of health diagnosis model for lithium ion batteries based on real-time impedance and open circuit voltage parameters identification method. <i>Energy</i> , <b>2018</b> , 144, 647-656	7.9	44
65	Understanding the initial irreversibility of metal sulfides for sodium-ion batteries via operando techniques. <i>Nano Energy</i> , <b>2018</b> , 43, 184-191	17.1	46
64	Correlating the electrocatalytic stability of platinum monolayer catalysts with their structural evolution in the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20725-20736	13	15
63	Toward Promising Turnkey Solution for Next-Generation Lithium Ion Batteries: Scale Preparation, Fading Analysis, and Enhanced Performance of Microsized Si/C Composites. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6977-6985	6.1	6
62	Bifunctional electrolyte additive KI to improve the cycling performance of Li <sub>2</sub> O <sub>2</sub> batteries. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 17311-17316	3.6	2
61	Cobalt nanoparticle-encapsulated carbon nanowire arrays: Enabling the fast redox reaction kinetics of lithium-sulfur batteries. <i>Carbon</i> , <b>2018</b> , 140, 385-393	10.4	25
60	Accelerated Aging Analysis on Cycle Life of LiFePO <sub>4</sub> /Graphite Batteries Based on Different Rates. <i>ChemElectroChem</i> , <b>2018</b> , 5, 2301-2309	4.3	6
59	Superior performance of ordered macroporous TiNb <sub>2</sub> O <sub>7</sub> anodes for lithium ion batteries: Understanding from the structural and pseudocapacitive insights on achieving high rate capability. <i>Nano Energy</i> , <b>2017</b> , 34, 15-25	17.1	264
58	Improved electrochemical performance of micro-sized SiO <sub>2</sub> -based composite anode by prelithiation of stabilized lithium metal powder. <i>Journal of Power Sources</i> , <b>2017</b> , 347, 170-177	8.9	91
57	Unravelling the origin of irreversible capacity loss in NaNiO <sub>2</sub> for high voltage sodium ion batteries. <i>Nano Energy</i> , <b>2017</b> , 34, 215-223	17.1	69
56	Facilitating the redox reaction of polysulfides by an electrocatalytic layer-modified separator for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10936-10945	13	65
55	Electronically Conductive Sb-doped SnO <sub>2</sub> Nanoparticles Coated LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Material with Enhanced Electrochemical Properties for Li-ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 236, 273-279	6.7	50



54	Hierarchical ordered macroporous/ultrathin mesoporous carbon architecture: A promising cathode scaffold with excellent rate performance for rechargeable Li-O <sub>2</sub> batteries. <i>Carbon</i> , <b>2017</b> , 118, 139-147	10.4	37
53	Selective Surface Engineering of Heterogeneous Nanostructures: In Situ Unraveling of the Catalytic Mechanism on PtAu Catalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7923-7929	13.1	25
52	Self-doping Ti <sub>1-x</sub> Nb <sub>2+x</sub> O <sub>7</sub> anode material for lithium-ion battery and its electrochemical performance. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 534-540	5.7	27
51	Phosphorus-doped graphene support to enhance electrocatalysis of methanol oxidation reaction on platinum nanoparticles. <i>Chemical Physics Letters</i> , <b>2017</b> , 687, 1-8	2.5	33
50	A Mild Surface Washing Method Using Protonated Polyaniline for Ni-rich LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Material of Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 248, 534-540	6.7	67
49	Clew-like N-doped multiwalled carbon nanotube aggregates derived from metal-organic complexes for lithium-sulfur batteries. <i>Carbon</i> , <b>2017</b> , 122, 635-642	10.4	33
48	High-rate capability of three-dimensionally ordered macroporous T-Nb <sub>2</sub> O <sub>5</sub> through Li <sup>+</sup> intercalation pseudocapacitance. <i>Journal of Power Sources</i> , <b>2017</b> , 361, 80-86	8.9	106
47	Heterogeneous Nanostructure of Ternary PtRu-Au/C Nano-catalyst Towards Formic Acid Oxidation. <i>Electrochemistry</i> , <b>2017</b> , 85, 133-135	1.2	3
46	Oxygen vacancies in SnO <sub>2</sub> surface coating to enhance the activation of layered Li-Rich Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 331, 91-99	8.9	75
45	A review of applications of poly(diallyldimethyl ammonium chloride) in polymer membrane fuel cells: From nanoparticles to support materials. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 1025-1036	11.3	10
44	Oxygen Reduction Kinetics on Pt Monolayer Shell Highly Affected by the Structure of Bimetallic AuNi Cores. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5274-5281	9.6	38
43	The effect of elevated temperature on the accelerated aging of LiCoO <sub>2</sub> /mesocarbon microbeads batteries. <i>Applied Energy</i> , <b>2016</b> , 177, 1-10	10.7	30
42	Metal-Organic Coordination Networks: Prussian Blue and Its Synergy with Pt Nanoparticles to Enhance Oxygen Reduction Kinetics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15250-7	9.5	33
41	Concentration Gradient Pd-Ir-Ni/C Electrocatalyst with Enhanced Activity and Methanol Tolerance for Oxygen Reduction Reaction in Acidic Medium. <i>Electrochimica Acta</i> , <b>2016</b> , 192, 177-187	6.7	18
40	Recovery Strategy and Mechanism of Aged Lithium Ion Batteries after Shallow Depth of Discharge at Elevated Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5234-42	9.5	14
39	Facile synthesis of binder-free reduced graphene oxide/silicon anode for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 312, 216-222	8.9	25
38	Tin dioxide facilitated truncated octahedral Pt <sub>3</sub> Ni alloy catalyst: synthesis and ultra highly active and durable electrocatalysts for oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 26323-26328	3.7	5
37	Composition optimization of ternary palladium-iridium-iron alloy catalysts for oxygen reduction reaction in acid medium. <i>RSC Advances</i> , <b>2016</b> , 6, 22754-22763	3.7	14

36	Synthesis of Nitrogen-doped Niobium Dioxide and its co-catalytic effect towards the electrocatalysis of oxygen reduction on platinum. <i>Electrochimica Acta</i> , <b>2016</b> , 195, 166-174	6.7	11
35	Boron, nitrogen co-doped graphene: a superior electrocatalyst support and enhancing mechanism for methanol electrooxidation. <i>Electrochimica Acta</i> , <b>2016</b> , 212, 313-321	6.7	45
34	A Novel One-dimensional Reduced Graphene Oxide/Sulfur Nanoscroll Material and its Application in Lithium Sulfur Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 1861-1869	6.7	29
33	Evaluation of Oxygen Reduction Activity by the Thin-Film Rotating Disk Electrode Methodology: the Effects of Potentiodynamic Parameters. <i>Electrocatalysis</i> , <b>2016</b> , 7, 305-316	2.7	8
32	Effect of short-time external short circuiting on the capacity fading mechanism during long-term cycling of LiCoO <sub>2</sub> /mesocarbon microbeads battery. <i>Journal of Power Sources</i> , <b>2016</b> , 318, 154-162	8.9	20
31	Ultra-low Pt decorated PdFe Alloy Nanoparticles for Formic Acid Electro-oxidation. <i>Electrochimica Acta</i> , <b>2016</b> , 217, 203-209	6.7	28
30	Facile synthesis of Pt <sub>3</sub> Ni alloy nanourchins by temperature modulation and their enhanced electrocatalytic properties. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, 309-316	5.7	12
29	A palladium-doped ceria@carbon core-sheath nanowire network: a promising catalyst support for alcohol electrooxidation reactions. <i>Nanoscale</i> , <b>2015</b> , 7, 13656-62	7.7	18
28	Al <sub>2</sub> O <sub>3</sub> Coated Concentration-Gradient Li[Ni <sub>0.73</sub> Co <sub>0.12</sub> Mn <sub>0.15</sub> ]O <sub>2</sub> Cathode Material by Freeze Drying for Long-Life Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 1185-1191	6.7	54
27	Boron-doped graphene as promising support for platinum catalyst with superior activity towards the methanol electrooxidation reaction. <i>Journal of Power Sources</i> , <b>2015</b> , 300, 245-253	8.9	64
26	Highly efficient anode catalyst with a Ni@PdPt core-shell nanostructure for methanol electrooxidation in alkaline media. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2015</b> , 22, 1101-1107	3.1	3
25	Facile synthesis of nanostructured TiNb <sub>2</sub> O <sub>7</sub> anode materials with superior performance for high-rate lithium ion batteries. <i>Chemical Communications</i> , <b>2015</b> , 51, 17293-6	5.8	96
24	Electrochemical performance degeneration mechanism of LiCoO <sub>2</sub> with high state of charge during long-term charge/discharge cycling. <i>RSC Advances</i> , <b>2015</b> , 5, 81235-81242	3.7	29
23	Capacity fading mechanism during long-term cycling of over-discharged LiCoO <sub>2</sub> /mesocarbon microbeads battery. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 1006-1015	8.9	67
22	Lithium-rich Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> oxide coated by Li <sub>3</sub> PO <sub>4</sub> and carbon nanocomposite layers as high performance cathode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2634-2641	13	92
21	Multi-stress factor model for cycle lifetime prediction of lithium ion batteries with shallow-depth discharge. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 123-132	8.9	65
20	Pd-around-CeO <sub>2</sub> hybrid nanostructure catalyst: three-phase-transfer synthesis, electrocatalytic properties and dual promoting mechanism. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1429-1435	13	50
19	Lithium deposition on graphite anode during long-term cycles and the effect on capacity loss. <i>RSC Advances</i> , <b>2014</b> , 4, 26335-26341	3.7	29



18	Polyelectrolyte assisted synthesis and enhanced oxygen reduction activity of Pt nanocrystals with controllable shape and size. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 14043-9	9.5	43
17	An Li-rich oxide cathode material with mosaic spinel grain and a surface coating for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15640	13	65
16	Degradation mechanism of LiCoO <sub>2</sub> /mesocarbon microbeads battery based on accelerated aging tests. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 816-823	8.9	35
15	Lithium compound deposition on mesocarbon microbead anode of lithium ion batteries after long-term cycling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12962-70	9.5	26
14	Nickel-doped ceria nanoparticles for promoting catalytic activity of Pt/C for ethanol electrooxidation. <i>Journal of Power Sources</i> , <b>2014</b> , 263, 310-314	8.9	30
13	Corrosion/fragmentation of layered composite cathode and related capacity/voltage fading during cycling process. <i>Nano Letters</i> , <b>2013</b> , 13, 3824-30	11.5	311
12	Platinum-based intermetallic nanotubes with a core-shell structure as highly active and durable catalysts for fuel cell applications. <i>Journal of Power Sources</i> , <b>2013</b> , 240, 630-635	8.9	38
11	Highly efficient and stable nonplatinum anode catalyst with Au@Pd core-shell nanostructures for methanol electrooxidation. <i>Journal of Catalysis</i> , <b>2012</b> , 295, 217-222	7.3	63
10	The influence of anode diffusion layer on the performance of direct dimethyl ether fuel cell. <i>International Journal of Energy Research</i> , <b>2012</b> , 36, 886-890	4.5	3
9	Facile fabrication of a nanoporous silicon electrode with superior stability for lithium ion batteries. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1037	35.4	69
8	Covalently-functionalizing synthesis of Si@C core-shell nanocomposites as high-capacity anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15692		57
7	SiO <sub>2</sub> stabilized Pt/C cathode catalyst for proton exchange membrane fuel cells. <i>Applied Surface Science</i> , <b>2011</b> , 257, 2371-2376	6.7	9
6	Effect, mechanism and recovery of nitrogen oxides poisoning on oxygen reduction reaction at Pt/C catalysts. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 620-626	8.9	38
5	Investigation of a novel MEA for direct dimethyl ether fuel cell. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 238-241	5.1	12
4	Ultrathin Si Nanosheets Dispersed in Graphene Matrix Enable Stable Interface and High Rate Capability of Anode for Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2110046	15.6	8
3	Tailoring Porous Transition Metal Oxide for High-Performance Lithium Storage. <i>Journal of Physical Chemistry C</i> ,	3.8	4
2	Deactivation and regeneration of a benchmark Pt/C catalyst toward oxygen reduction reaction in the presence of poisonous SO <sub>2</sub> and NO. <i>Catalysis Science and Technology</i> ,	5.5	1
1	Investigating the Origin of the Enhanced Sodium Storage Capacity of Transition Metal Sulfide Anodes in Ether-Based Electrolytes. <i>Advanced Functional Materials</i> , 2110017	15.6	2

