Fangyi Cheng

List of Publications by Year
in descending order

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260	39,222	3264	3171
papers	citations	94 h-index	192 g-index

275	275	275	33933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biaxial strained dual-phase palladium-copper bimetal boosts formic acid electrooxidation. Nano Research, 2022, 15, 280-284.	5.8	19
2	Multidimensional Nonstoichiometric Electrode Materials for Electrochemical Energy Conversion and Storage. Advanced Energy Materials, 2022, 12, 2100640.	10.2	25
3	Defective high-entropy rocksalt oxide with enhanced metalâ€'oxygen covalency for electrocatalytic oxygen evolution. Chinese Journal of Catalysis, 2022, 43, 122-129.	6.9	50
4	Building Homogenous Li₂TiO₃ Coating Layer on Primary Particles to Stabilize Liâ€Rich Mnâ€Based Cathode Materials. Small, 2022, 18, e2106337.	5.2	42
5	In Situ Confined Growth of Bismuth Nanoribbons with Active and Robust Edge Sites for Boosted CO₂ Electroreduction. ACS Energy Letters, 2022, 7, 1454-1461.	8.8	48
6	UV-Cured Semi-Interpenetrating polymer networks of solid electrolytes for rechargeable lithium metal batteries. Chemical Engineering Journal, 2022, 437, 135329.	6.6	14
7	Anionic formulation of electrolyte additive towards stable electrocatalytic oxygen evolution in seawater splitting. Journal of Energy Chemistry, 2022, 72, 361-369.	7.1	42
8	Gradient doping Mg and Al to stabilize Ni-rich cathode materials for rechargeable lithium-ion batteries. Journal of Power Sources, 2022, 535, 231445.	4.0	33
9	Galvanicâ€Cell Deposition Enables the Exposure of Bismuth Grain Boundary for Efficient Electroreduction of Carbon Dioxide. Small, 2022, 18, e2201633.	5.2	12
10	Boosting the Kinetics and Stability of Zn Anodes in Aqueous Electrolytes with Supramolecular Cyclodextrin Additives. Journal of the American Chemical Society, 2022, 144, 11129-11137.	6.6	196
11	Selective nitrogen doping on carbon cloth to enhance the performance of zinc anode. Chinese Chemical Letters, 2021, 32, 1095-1100.	4.8	22
12	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. Materials Today, 2021, 43, 132-165.	8.3	174
13	Operando constructing vanadium tetrasulfide-based heterostructures enabled by extrinsic adsorbed oxygen for enhanced zinc ion storage. Journal of Materials Chemistry A, 2021, 9, 11433-11441.	5.2	22
14	Growing Nanostructured CuO on Copper Foil via Chemical Etching to Upgrade Metallic Lithium Anode. ACS Applied Materials & Interfaces, 2021, 13, 6367-6374.	4.0	20
15	Vanadium-based cathodes for aqueous zinc-ion batteries: from crystal structures, diffusion channels to storage mechanisms. Journal of Materials Chemistry A, 2021, 9, 5258-5275.	5.2	103
16	The Electrochemical Tuning of Transition Metal-Based Materials for Electrocatalysis. Electrochemical Energy Reviews, 2021, 4, 146-168.	13.1	30
17	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. Journal of the American Chemical Society, 2021, 143, 2829-2837.	6.6	119
18	In-situ electrochemical conversion of vanadium dioxide for enhanced zinc-ion storage with large voltage range. Journal of Power Sources, 2021, 487, 229369.	4.0	61

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19	Operando non-topological conversion constructing the high-performance nickel-zinc battery anode. Chemical Engineering Journal, 2021, 414, 128716.	6.6	11
20	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via dâ€“Ï€ Conjugation. Angewandte Chemie, 2021, 133, 17074-17078.	1.6	9
21	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via dâ€“Ï€ Conjugation. Angewandte Chemie - International Edition, 2021, 60, 16937-16941.	7.2	74
22	Peering into few-layer black phosphorus nanosheets: from preparation to battery applications. JPhys Energy, 2021, 3, 032018.	2.3	2
23	Functional separator with a lightweight carbon-coating for stable, high-capacity organic lithium batteries. Chemical Engineering Journal, 2021, 418, 129404.	6.6	13
24	Concentration-Gradient LiNi_{0.85}Co_{0.12}Al_{0.03}O₂ Cathode Assembled with Primary Particles for Rechargeable Lithium-Ion Batteries. Energy & Fuels, 2021, 35, 13474-13482.	2.5	6
25	Enhancing LiNiO2 cathode materials by concentration-gradient yttrium modification for rechargeable lithium-ion batteries. Journal of Energy Chemistry, 2021, 63, 312-319.	7.1	18
26	Nanoporous NiSb to Enhance Nitrogen Electroreduction via Tailoring Competitive Adsorption Sites. Advanced Materials, 2021, 33, e2101126.	11.1	64
27	Dual oxidation and sulfurization enabling hybrid Co/Co3O4@CoS in S/N-doped carbon matrix for bifunctional oxygen electrocatalysis and rechargeable Zn-air batteries. Chemical Engineering Journal, 2021, 419, 129619.	6.6	77
28	Stabilizing Zinc Electrodes with a Vanillin Additive in Mild Aqueous Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 47650-47658.	4.0	70
29	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2107333.	7.8	104
30	Boosting Electrocatalytic Oxygen Evolution by Cation Defect Modulation via Electrochemical Etching. CCS Chemistry, 2021, 3, 675-685.	4.6	63
31	Interfacial Engineering of Niâ€“Fe Based Electrocatalysts for Robust Oxygen Evolution. Journal of Physical Chemistry C, 2021, 125, 25383-25391.	1.5	3
32	Improving metallic lithium anode with NaPF6 additive in LiPF6-carbonate electrolyte. Journal of Energy Chemistry, 2020, 42, 1-4.	7.1	20
33	Selfâ€Supported Transitionâ€Metalâ€Based Electrocatalysts for Hydrogen and Oxygen Evolution. Advanced Materials, 2020, 32, e1806326.	11.1	986
34	Microsized Antimony as a Stable Anode in Fluoroethylene Carbonate Containing Electrolytes for Rechargeable Lithium-/Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 3554-3562.	4.0	36
35	Nanoporous Palladium Hydride for Electrocatalytic N₂ Reduction under Ambient Conditions. Angewandte Chemie - International Edition, 2020, 59, 3511-3516.	7.2	182
36	Insights into KMnO4 etched N-rich carbon nanotubes as advanced electrocatalysts for Zn-air batteries. Applied Catalysis B: Environmental, 2020, 264, 118537.	10.8	81

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37	Nanoporous Palladium Hydride for Electrocatalytic N₂ Reduction under Ambient Conditions. Angewandte Chemie, 2020, 132, 3539-3544.	1.6	25
38	Hybrid Nanosheet Arrays: Boosting Activity on Co₄N Porous Nanosheet by Coupling CeO₂ for Efficient Electrochemical Overall Water Splitting at High Current Densities (Adv. Funct. Mater. 32/2020). Advanced Functional Materials, 2020, 30, 2070213.	7.8	1
39	Coupling NiCo Alloy and CeO₂ to Enhance Electrocatalytic Hydrogen Evolution in Alkaline Solution. Advanced Sustainable Systems, 2020, 4, 2000122.	2.7	36
40	Isolated diatomic Znâ€“Fe in N-doped carbon for electrocatalytic nitrogen reduction to ammonia. Chemical Communications, 2020, 56, 11957-11960.	2.2	43
41	Recent advances in Ni-rich layered oxide particle materials for lithium-ion batteries. Particuology, 2020, 53, 1-11.	2.0	60
42	UV-Cured Interpenetrating Networks of Single-ion Conducting Polymer Electrolytes for Rechargeable Lithium Metal Batteries. ACS Applied Energy Materials, 2020, 3, 12532-12539.	2.5	20
43	Materials chemistry for rechargeable zinc-ion batteries. Chemical Society Reviews, 2020, 49, 4203-4219.	18.7	787
44	Synthesis and electrochemical properties of CeVO4/Fe3O4 as a novel anode material for lithium-ion batteries. Ionics, 2020, 26, 4859-4867.	1.2	12
45	Boosting Activity on Co₄N Porous Nanosheet by Coupling CeO₂ for Efficient Electrochemical Overall Water Splitting at High Current Densities. Advanced Functional Materials, 2020, 30, 1910596.	7.8	218
46	Materials Science at Nankai: A Special Issue Dedicated to the 100th Anniversary of Nankai University. Advanced Materials, 2020, 32, e1907314.	11.1	0
47	Nonaqueous electrolyte with dual-cations for high-voltage and long-life zinc batteries. Journal of Materials Chemistry A, 2020, 8, 3252-3261.	5.2	89
48	Lithium bis(oxalate)borate additive in the electrolyte to improve Li-rich layered oxide cathode materials. Materials Chemistry Frontiers, 2020, 4, 1689-1696.	3.2	33
49	Facile synthesis of amorphous MoS_xâ€“Fe anchored on Zr-MOFs towards efficient and stable electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 2763-2766.	2.2	27
50	Nucleation Mechanism and Substrate Modification of Lithium Metal Anode. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	3
51	In-situ Li₃PO₄ Coating of Li-Rich Mn-Based Cathode Materials for Lithium-ion Batteries. Acta Chimica Sinica, 2020, 78, 1426.	0.5	10
52	Electrodeposition of Pt-Decorated Ni(OH) ₂ /CeO ₂ Hybrid as Superior Bifunctional Electrocatalyst for Water Splitting. Research, 2020, 2020, 9068270.	2.8	19
53	Ultrafast Rechargeable Zinc Battery Based on High-Voltage Graphite Cathode and Stable Nonaqueous Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 32978-32986.	4.0	75
54	Synthesis of Ni/NiO@MIL-101(Cr) Composite as Novel Anode for Lithium-Ion Battery Application. Journal of Nanoscience and Nanotechnology, 2019, 19, 8063-8070.	0.9	11

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55	Structure design and mechanism analysis of silicon anode for lithium-ion batteries. Science China Materials, 2019, 62, 1515-1536.	3.5	80
56	Mn-doped atomic SnO₂ layers for highly efficient CO₂ electrochemical reduction. Journal of Materials Chemistry A, 2019, 7, 19651-19656.	5.2	63
57	Tuning Oxygen Redox Chemistry in Liâ€Rich Mnâ€Based Layered Oxide Cathodes by Modulating Cation Arrangement. Advanced Materials, 2019, 31, e1901808.	11.1	86
58	Star Brush Block Copolymer Electrolytes with High Ambient-Temperature Ionic Conductivity for Quasi-Solid-State Lithium Batteries. , 2019, 1, 606-612.		32
59	Spinel/Lithiumâ€Rich Manganese Oxide Hybrid Nanofibers as Cathode Materials for Rechargeable Lithiumâ€Ion Batteries. Small Methods, 2019, 3, 1900350.	4.6	44
60	LiNi_{0.90}Co_{0.07}Mg_{0.03}O₂ cathode materials with Mg-concentration gradient for rechargeable lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20958-20964.	5.2	54
61	Plasmon-promoted electrocatalytic water splitting on metalâ€“semiconductor nanocomposites: the interfacial charge transfer and the real catalytic sites. Chemical Science, 2019, 10, 9605-9612.	3.7	50
62	Hydrated Layered Vanadium Oxide as a Highly Reversible Cathode for Rechargeable Aqueous Zinc Batteries. Advanced Functional Materials, 2019, 29, 1807331.	7.8	359
63	Ultrathin carbon-coated FeS₂ nanooctahedra for sodium storage with long cycling stability. Inorganic Chemistry Frontiers, 2019, 6, 459-464.	3.0	21
64	Stabilizing nickel-rich layered oxide cathodes by magnesium doping for rechargeable lithium-ion batteries. Chemical Science, 2019, 10, 1374-1379.	3.7	201
65	Promoted synergy in core-branch CoP@NiFeâ€“OH nanohybrids for efficient electrochemical-/photovoltage-driven overall water splitting. Nano Energy, 2019, 63, 103821.	8.2	82
66	Surface modification of Li-rich manganese-based cathode materials by chemical etching. Inorganic Chemistry Frontiers, 2019, 6, 1694-1700.	3.0	24
67	Synthesis of Single Lithium-Ion Conducting Polymer Electrolyte Membrane for Solid-State Lithium Metal Batteries. ACS Applied Energy Materials, 2019, 2, 3028-3034.	2.5	81
68	Fire-Retardant Phosphate-Based Electrolytes for High-Performance Lithium Metal Batteries. ACS Applied Energy Materials, 2019, 2, 2708-2716.	2.5	64
69	Direct Spectroscopy for Probing the Critical Role of Partial Covalency in Oxygen Reduction Reaction for Cobalt-Manganese Spinel Oxides. Nanomaterials, 2019, 9, 577.	1.9	28
70	Spinel oxide nanoparticles embedded in nitrogen-doped carbon nanofibers as a robust and self-standing bifunctional oxygen cathode for Znâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 24868-24876.	5.2	76
71	Controllable tuning of Fe-N nanosheets by Co substitution for enhanced oxygen evolution reaction. Nano Energy, 2019, 57, 644-652.	8.2	90
72	Epitaxial Heterogeneous Interfaces on Nâ€NiMoO₄/NiS₂ Nanowires/Nanosheets to Boost Hydrogen and Oxygen Production for Overall Water Splitting. Advanced Functional Materials, 2019, 29, 1805298.	7.8	378

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73	Combining Quinone Cathode and Ionic Liquid Electrolyte for Organic Sodium-Ion Batteries. CheM, 2019, 5, 364-375.	5.8	104
74	Porous V2O5 nanofibers as cathode materials for rechargeable aqueous zinc-ion batteries. Journal of Energy Chemistry, 2019, 38, 20-25.	7.1	225
75	Self-assembly synthesis of solid polymer electrolyte with carbonate terminated poly(ethylene glycol) matrix and its application for solid state lithium battery. Journal of Energy Chemistry, 2019, 38, 55-59.	7.1	26
76	Nanostructured NiMoO4 as active electrocatalyst for oxygen evolution. Chinese Chemical Letters, 2019, 30, 319-323.	4.8	55
77	Progress in DFT study on 3d transition metal oxide/hydroxide electrocatalyst for oxygen evolution. Scientia Sinica Chimica, 2019, 49, 741-751.	0.2	4
78	Uniform MnCo₂O₄ Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2018, 10, 8730-8738.	4.0	83
79	Super P Carbon Modified Lithium Anode for Highâ€Performance Liâ€'O₂ Batteries. ChemElectroChem, 2018, 5, 1702-1707.	1.7	31
80	The structureâ€“electrochemical property relationship of quinone electrodes for lithium-ion batteries. Physical Chemistry Chemical Physics, 2018, 20, 13478-13484.	1.3	59
81	Facile preparation of NH₂-functionalized black phosphorene for the electrocatalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 2494-2499.	5.2	149
82	Transition-Metal-Triggered High-Efficiency Lithium Ion Storage via Coordination Interactions with Redox-Active Croconate in One-Dimensional Metalâ€“Organic Anode Materials. ACS Applied Materials & Interfaces, 2018, 10, 6398-6406.	4.0	42
83	Ultrasmall Sn nanoparticles embedded in spherical hollow carbon for enhanced lithium storage properties. Chemical Communications, 2018, 54, 1205-1208.	2.2	60
84	Rechargeable aqueous zincâ€“iodine batteries: pore confining mechanism and flexible device application. Chemical Communications, 2018, 54, 6792-6795.	2.2	116
85	Mesoporous LiTi2(PO4)3/C composite with trace amount of carbon as high-performance electrode materials for lithium ion batteries. Journal of Alloys and Compounds, 2018, 749, 1019-1027.	2.8	9
86	Metallic CuCo2S4 nanosheets of atomic thickness as efficient bifunctional electrocatalysts for portable, flexible Zn-air batteries. Nanoscale, 2018, 10, 6581-6588.	2.8	69
87	A review of transition-metal boride/phosphide-based materials for catalytic hydrogen generation from hydrolysis of boron-hydrides. Inorganic Chemistry Frontiers, 2018, 5, 760-772.	3.0	103
88	Rapid low-temperature synthesis of perovskite/carbon nanocomposites as superior electrocatalysts for oxygen reduction in Zn-air batteries. Nano Research, 2018, 11, 3282-3293.	5.8	44
89	In situ synthesis of Bi nanoflakes on Ni foam for sodium-ion batteries. Chemical Communications, 2018, 54, 38-41.	2.2	89
90	A Strategy to Achieve Well-Dispersed Hollow Nitrogen-Doped Carbon Microspheres with Trace Iron for Highly Efficient Oxygen Reduction Reaction in Al-Air Batteries. Journal of the Electrochemical Society, 2018, 165, A3766-A3772.	1.3	8

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91	Co₂Pâ€“CoN Double Active Centers Confined in Nâ€Doped Carbon Nanotube: Heterostructural Engineering for Trifunctional Catalysis toward HER, ORR, OER, and Znâ€“Air Batteries Driven Water Splitting. Advanced Functional Materials, 2018, 28, 1805641.	7.8	443
92	FeS₂/CoS₂ Interface Nanosheets as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. Small, 2018, 14, e1801070.	5.2	273
93	Rechargeable Aqueous Znâ€“V₂O₅ Battery with High Energy Density and Long Cycle Life. ACS Energy Letters, 2018, 3, 1366-1372.	8.8	766
94	Enlarged Coï£¿O Covalency in Octahedral Sites Leading to Highly Efficient Spinel Oxides for Oxygen Evolution Reaction. Advanced Materials, 2018, 30, e1802912.	11.1	338
95	N-S co-doped C@SnS nanoflakes/graphene composite as advanced anode for sodium-ion batteries. Chemical Engineering Journal, 2018, 353, 606-614.	6.6	93
96	Spent alkaline battery-derived manganese oxides as efficient oxygen electrocatalysts for Znâ€“air batteries. Inorganic Chemistry Frontiers, 2018, 5, 2167-2173.	3.0	29
97	Activation of defective nickel molybdate nanowires for enhanced alkaline electrochemical hydrogen evolution. Nanoscale, 2018, 10, 16539-16546.	2.8	29
98	Enhancing the Lithium Storage Capacities of Coordination Compounds for Advanced Lithium-Ion Battery Anodes via a Coordination Chemistry Approach. Inorganic Chemistry, 2018, 57, 10640-10648.	1.9	20
99	Superhydrophilic amorphous Coâ€“Bâ€“P nanosheet electrocatalysts with Pt-like activity and durability for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 22062-22069.	5.2	156
100	Core-shell Co/CoNx@C nanoparticles enfolded by Co-N doped carbon nanosheets as a highly efficient electrocatalyst for oxygen reduction reaction. Carbon, 2018, 138, 300-308.	5.4	53
101	Anion insertion enhanced electrodeposition of robust metal hydroxide/oxide electrodes for oxygen evolution. Nature Communications, 2018, 9, 2373.	5.8	336
102	Introducing ion-transport-regulating nanochannels to lithium-sulfur batteries. Nano Energy, 2017, 33, 205-212.	8.2	54
103	NiO/CoN Porous Nanowires as Efficient Bifunctional Catalysts for Znâ€“Air Batteries. ACS Nano, 2017, 11, 2275-2283.	7.3	456
104	Amorphous Zr(OH) 4 coated LiNi 0.915 Co 0.075 Al 0.01 O 2 cathode material with enhanced electrochemical performance for lithium ion batteries. Journal of Energy Chemistry, 2017, 26, 481-487.	7.1	38
105	High Anode Performance of in Situ Formed Cu₂Sb Nanoparticles Integrated on Cu Foil via Replacement Reaction for Sodium-Ion Batteries. ACS Energy Letters, 2017, 2, 256-262.	8.8	111
106	Stable layered Ni-rich LiNi_{0.9}Co_{0.07}Al_{0.03}O₂ microspheres assembled with nanoparticles as high-performance cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 2724-2731.	5.2	165
107	Engineering Co₉S₈/WS₂ array films as bifunctional electrocatalysts for efficient water splitting. Journal of Materials Chemistry A, 2017, 5, 23361-23368.	5.2	117
108	Oxygen Vacancies Dominated NiS₂/CoS₂ Interface Porous Nanowires for Portable Znâ€“Air Batteries Driven Water Splitting Devices. Advanced Materials, 2017, 29, 1704681.	11.1	533

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109	Porous Multishelled Ni₂P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. Chemistry of Materials, 2017, 29, 8539-8547.	3.2	279
110	Atomicâ€Level Coupled Interfaces and Lattice Distortion on CuS/NiS₂ Nanocrystals Boost Oxygen Catalysis for Flexible Znâ€Air Batteries. Advanced Functional Materials, 2017, 27, 1703779.	7.8	200
111	Rechargeable aqueous zinc-manganese dioxide batteries with high energy and power densities. Nature Communications, 2017, 8, 405.	5.8	1,224
112	Bulk Bismuth as a Highâ€Capacity and Ultralong Cycleâ€Life Anode for Sodiumâ€Ion Batteries by Coupling with Glymeâ€Based Electrolytes. Advanced Materials, 2017, 29, 1702212.	11.1	343
113	Atomic-scaled cobalt encapsulated in P,N-doped carbon sheaths over carbon nanotubes for enhanced oxygen reduction electrocatalysis under acidic and alkaline media. Chemical Communications, 2017, 53, 9862-9865.	2.2	87
114	In Situ Atomic Force Microscopic Studies of Single Tin Nanoparticle: Sodiation and Desodiation in Liquid Electrolyte. ACS Applied Materials & Interfaces, 2017, 9, 28620-28626.	4.0	26
115	Spinel cobaltâ€“manganese oxide supported on non-oxidized carbon nanotubes as a highly efficient oxygen reduction/evolution electrocatalyst. Inorganic Chemistry Frontiers, 2017, 4, 1628-1633.	3.0	37
116	High-index faceted CuFeS₂ nanosheets with enhanced behavior for boosting hydrogen evolution reaction. Nanoscale, 2017, 9, 9230-9237.	2.8	70
117	Synthesis of size-controlled CoMn2O4 quantum dots supported on carbon nanotubes for electrocatalytic oxygen reduction/evolution. Nano Research, 2017, 10, 3836-3847.	5.8	53
118	Intrinsic defect based homojunction: A novel quantum dots photoanode with enhanced charge transfer kinetics. Applied Catalysis B: Environmental, 2017, 203, 829-838.	10.8	30
119	Resumption of the Discharged Li-AgVO3 Primary Batteries for Rechargeable Li-O2 Batteries. Acta Chimica Sinica, 2017, 75, 199.	0.5	8
120	Unique Cobalt Sulfide/Reduced Graphene Oxide Composite as an Anode for Sodiumâ€Ion Batteries with Superior Rate Capability and Long Cycling Stability. Small, 2016, 12, 1359-1368.	5.2	423
121	Cobalt-Carbon Core-Shell Nanoparticles Aligned on Wrinkle of N-Doped Carbon Nanosheets with Pt-Like Activity for Oxygen Reduction. Small, 2016, 12, 2839-2845.	5.2	83
122	Elucidating dz2 orbital selective catalytic activity in brownmillerite Ca2Mn2O5. AIP Advances, 2016, 6, 095210.	0.6	6
123	A solid lithium superionic conductor Li₁₁AlP₂S₁₂ with a thio-LISICON analogous structure. Chemical Communications, 2016, 52, 6091-6094.	2.2	74
124	A Co₃O₄@MnO₂/Ni nanocomposite as a carbon- and binder-free cathode for rechargeable Liâ€“O₂ batteries. Inorganic Chemistry Frontiers, 2016, 3, 866-871.	3.0	58
125	A Coordination Chemistry Approach for Lithium-Ion Batteries: The Coexistence of Metal and Ligand Redox Activities in a One-Dimensional Metalâ€“Organic Material. Inorganic Chemistry, 2016, 55, 4935-4940.	1.9	75
126	Stirring-assisted hydrothermal synthesis of ultralong Î±-MnO₂nanowires for oxygen reduction reaction. Inorganic Chemistry Frontiers, 2016, 3, 928-933.	3.0	28

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127	Cation-Deficient Spinel ZnMn₂O₄ Cathode in Zn(CF₃SO₃)₂ Electrolyte for Rechargeable Aqueous Zn-Ion Battery. Journal of the American Chemical Society, 2016, 138, 12894-12901.	6.6	1,451
128	Niâ€“Câ€“N Nanosheets as Catalyst for Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2016, 138, 14546-14549.	6.6	424
129	SiO₂-coated LiNi_{0.915}Co_{0.075}Al_{0.01}O₂cathode material for rechargeable Li-ion batteries. Nanoscale, 2016, 8, 19263-19269.	2.8	108
130	Cobalt nanoparticles embedded in porous N-doped carbon as long-life catalysts for hydrolysis of ammonia borane. Catalysis Science and Technology, 2016, 6, 3443-3448.	2.1	102
131	Graphene oxides doped MIL-101(Cr) as anode materials for enhanced electrochemistry performance of lithium ion battery. Inorganic Chemistry Communication, 2016, 64, 63-66.	1.8	23
132	Template-free synthesis of porous graphitic carbon nitride/carbon composite spheres for electrocatalytic oxygen reduction reaction. Chemical Communications, 2016, 52, 1725-1728.	2.2	93
133	Polypyrrole-coated hierarchical porous composites nanoarchitectures for advanced solid-state flexible hybrid devices. Nano Energy, 2016, 19, 307-317.	8.2	30
134	Nanocomposite of Fe₂O₃@C@MnO₂as an Efficient Cathode Catalyst for Rechargeable Lithiumâ^'Oxygen Batteries. Small, 2015, 11, 5545-5550.	5.2	57
135	Rapid Synthesis and Efficient Electrocatalytic Oxygen Reduction/Evolution Reaction of CoMn₂O₄ Nanodots Supported on Graphene. Inorganic Chemistry, 2015, 54, 5467-5474.	1.9	117
136	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. Nature Communications, 2015, 6, 7345.	5.8	500
137	Highly stable and ultrafast electrode reaction of graphite for sodium ion batteries. Journal of Power Sources, 2015, 293, 626-634.	4.0	245
138	Recycling Application of Liâ€“MnO₂ Batteries as Rechargeable Lithiumâ€“Air Batteries. Angewandte Chemie - International Edition, 2015, 54, 4338-4343.	7.2	109
139	Pyrite FeS₂for high-rate and long-life rechargeable sodium batteries. Energy and Environmental Science, 2015, 8, 1309-1316.	15.6	628
140	Fabrication of Spinel One-Dimensional Architectures by Single-Spinneret Electrospinning for Energy Storage Applications. ACS Nano, 2015, 9, 1945-1954.	7.3	349
141	The anion effect on the oxygen reduction of MnX (X = O, S, and Se) catalysts. Journal of Materials Chemistry A, 2015, 3, 3425-3431.	5.2	34
142	Porous perovskite calciumâ€“manganese oxide microspheres as an efficient catalyst for rechargeable sodiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 3320-3324.	5.2	86
143	Chemical etching of manganese oxides for electrocatalytic oxygen reduction reaction. Chemical Communications, 2015, 51, 11599-11602.	2.2	71
144	3D Cu-doped CoS porous nanosheet films as superior counterelectrodes for quantum dot-sensitized solar cells. Nano Energy, 2015, 16, 163-172.	8.2	42

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145	Micro-nano structured Ni-MOFs as high-performance cathode catalyst for rechargeable Liâ€“O₂ batteries. Nanoscale, 2015, 7, 11833-11840.	2.8	69
146	Controlled synthesis of porous spinel cobaltite core-shell microspheres as high-performance catalysts for rechargeable Liâ€“O2 batteries. Nano Energy, 2015, 13, 718-726.	8.2	48
147	Beyond Yolkâ€“Shell Nanoparticles: Fe₃O₄@Fe₃C Core@Shell Nanoparticles as Yolks and Carbon Nanospindles as Shells for Efficient Lithium Ion Storage. ACS Nano, 2015, 9, 3369-3376.	7.3	207
148	CuCo nanoparticles supported on hierarchically porous carbon as catalysts for hydrolysis of ammonia borane. Journal of Alloys and Compounds, 2015, 651, 382-388.	2.8	75
149	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. Nano Research, 2015, 8, 3384-3393.	5.8	165
150	Soil as an inexhaustible and high-performance anode material for Li-ion batteries. Chemical Communications, 2015, 51, 15827-15830.	2.2	6
151	Uniform MnO2 nanostructures supported on hierarchically porous carbon as efficient electrocatalysts for rechargeable Li-O2 batteries. Nano Research, 2015, 8, 156-164.	5.8	65
152	Efficiently Enhancing Oxygen Reduction Electrocatalytic Activity of MnO₂ Using Facile Hydrogenation. Advanced Energy Materials, 2015, 5, 1400654.	10.2	78
153	Oxygen Bubble-Templated Hierarchical Porous Îµ-MnO₂as a Superior Catalyst for Rechargeable Li-O₂Batteries. Small, 2015, 11, 809-813.	5.2	90
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