

# Xin-Bo Zhang

## List of Publications by Year in descending order

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216  
papers

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docs citations

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24516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcharge to Remove Cathode Passivation Layer for Reviving Failed Li <sup>+</sup> O <sub>2</sub> Batteries. CCS Chemistry, 2023, 5, 641-653.	4.6	2
2	Creation of a rigid host framework with optimum crystal structure and interface for zero-strain K-ion storage. Energy and Environmental Science, 2022, 15, 1529-1535.	15.6	12
3	A Low-Volatile and Durable Deep Eutectic Electrolyte for High-Performance Lithium <sup>+</sup> Oxygen Battery. Journal of the American Chemical Society, 2022, 144, 5827-5833.	6.6	39
4	Soluble and Perfluorinated Polyelectrolyte for Safe and High-Performance Li <sup>+</sup> O <sub>2</sub> Batteries. Angewandte Chemie, 2022, 134, .	1.6	4
5	Three Birds with One Stone: An Integrated Cathode <sup>+</sup> Electrolyte Structure for High-Performance Solid <sup>+</sup> State Lithium <sup>+</sup> Oxygen Batteries. Small, 2022, 18, e2107833.	5.2	11
6	Soluble and Perfluorinated Polyelectrolyte for Safe and High-Performance Li <sup>+</sup> O <sub>2</sub> Batteries. Angewandte Chemie - International Edition, 2022, 61, e202116635.	7.2	28
7	Hydrogen <sup>+</sup> Bond <sup>+</sup> Assisted Solution Discharge in Aprotic Li <sup>+</sup> O <sub>2</sub> Batteries. Advanced Materials, 2022, 34, e2110416.	11.1	24
8	Ligand centered electrocatalytic efficient CO <sub>2</sub> reduction reaction at low overpotential on single-atom Ni regulated molecular catalyst. Nano Research, 2022, 15, 5816-5823.	5.8	11
9	Decoupled aqueous batteries using pH-decoupling electrolytes. Nature Reviews Chemistry, 2022, 6, 505-517.	13.8	44
10	Hybrid solid electrolyte enabled dendrite-free Li anodes for high-performance quasi-solid-state lithium-oxygen batteries. National Science Review, 2021, 8, nwa150.	4.6	41
11	Lithium <sup>+</sup> Air Batteries: Air-Electrochemistry and Anode Stabilization. Accounts of Chemical Research, 2021, 54, 632-641.	7.6	104
12	Solvation Effect on the Improved Sodium Storage Performance of N <sup>+</sup> Heteropentacenequinone for Sodium <sup>+</sup> Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 26806-26812.	7.2	26
13	Recent progress on transition metal oxides as advanced materials for energy conversion and storage. Energy Storage Materials, 2021, 42, 317-369.	9.5	113
14	Integrated Bismuth Oxide Ultrathin Nanosheets/Carbon Foam Electrode for Highly Selective and Energy <sup>+</sup> Efficient Electrocatalytic Conversion of CO <sub>2</sub> to HCOOH. Chemistry - A European Journal, 2020, 26, 4013-4018.	1.7	21
15	Flexible 1D Batteries: Recent Progress and Prospects. Advanced Materials, 2020, 32, e1901961.	11.1	111
16	Challenges and perspectives for manganese <sup>+</sup> based oxides for advanced aqueous zinc <sup>+</sup> ion batteries. Informa <sup>+</sup> Materials, 2020, 2, 237-260.	8.5	264
17	High <sup>+</sup> Capacity and Stable Li <sup>+</sup> O <sub>2</sub> Batteries Enabled by a Trifunctional Soluble Redox Mediator. Angewandte Chemie - International Edition, 2020, 59, 19311-19319.	7.2	62
18	Copper tetrazolate based metal <sup>+</sup> organic frameworks as highly efficient catalysts for artificially chemical and electrochemical CO <sub>2</sub> conversion. Nano Select, 2020, 1, 311-319.	1.9	17

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19	A renaissance of <i>N,N</i> -dimethylacetamide-based electrolytes to promote the cycling stability of $\text{LiO}_2$ batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3075-3081.	15.6	68
20	In Situ Designing a Gradient $\text{Li}^+$ Capture and Quasi-Spontaneous Diffusion Anode Protection Layer toward Long-Life $\text{LiO}_2$ Batteries. <i>Advanced Materials</i> , 2020, 32, e2004157.	11.1	114
21	High-Capacity and Stable $\text{LiO}_2$ Batteries Enabled by a Trifunctional Soluble Redox Mediator. <i>Angewandte Chemie</i> , 2020, 132, 19473-19481.	1.6	28
22	Lithium and Stannum Hybrid Anodes for Flexible Wire-Type Lithium-Oxygen Batteries. <i>Small Structures</i> , 2020, 1, 2000015.	6.9	26
23	Electrode Protection in High-Efficiency $\text{LiO}_2$ Batteries. <i>ACS Central Science</i> , 2020, 6, 2136-2148.	5.3	62
24	The Stabilization Effect of $\text{CO}_2$ in Lithium-Oxygen/ $\text{CO}_2$ Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16661-16667.	7.2	71
25	Interface between Lithium Metal and Garnet Electrolyte: Recent Progress and Perspective. <i>Batteries and Supercaps</i> , 2020, 3, 1006-1015.	2.4	17
26	The Stabilization Effect of $\text{CO}_2$ in Lithium-Oxygen/ $\text{CO}_2$ Batteries. <i>Angewandte Chemie</i> , 2020, 132, 16804.	1.6	6
27	An Adjustable Porosity Plastic Crystal Electrolyte Enables High-Performance All-Solid-State Lithium-Oxygen Batteries. <i>Angewandte Chemie</i> , 2020, 132, 9468-9473.	1.6	13
28	An Adjustable Porosity Plastic Crystal Electrolyte Enables High-Performance All-Solid-State Lithium-Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9382-9387.	7.2	50
29	Ethnopharmacology of Hypericum species in China: A comprehensive review on ethnobotany, phytochemistry and pharmacology. <i>Journal of Ethnopharmacology</i> , 2020, 254, 112686.	2.0	69
30	Structural Optimization of Metal Oxyhalide for $\text{CO}_2$ Reduction with High Selectivity and Current Density. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1752-1756.	2.6	8
31	An Illumination-Assisted Flexible Self-Powered Energy System Based on a $\text{LiO}_2$ Battery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16411-16415.	7.2	78
32	Protecting the Lithium Metal Anode for a Safe Flexible Lithium-Air Battery in Ambient Air. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18240-18245.	7.2	81
33	Silver-Intermediated Perovskite $\text{La}_{0.9}\text{FeO}_{3\lambda}$ toward High-Performance Cathode Catalysts for Nonaqueous Lithium-Oxygen Batteries. <i>ACS Catalysis</i> , 2019, 9, 11743-11752.	5.5	46
34	In Situ Coupling of Colloidal Silica and Li Salt Anion toward Stable Li Anode for Long-Cycle-Life Li-O <sub>2</sub> Batteries. <i>Matter</i> , 2019, 1, 881-892.	5.0	33
35	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9464-9469.	7.2	226
36	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie</i> , 2019, 131, 9564-9569.	1.6	47

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37	Highly efficient and selective CO <sub>2</sub> electro-reduction with atomic Fe-C-N hybrid coordination on porous carbon nanosheet. <i>Nano Research</i> , 2019, 12, 2318-2323.	5.8	45
38	Reconstructed Orthorhombic V <sub>2</sub> O <sub>5</sub> Polyhedra for Fast Ion Diffusion in K-Ion Batteries. <i>CheM</i> , 2019, 5, 168-179.	5.8	174
39	Prevention of dendrite growth and volume expansion to give high-performance aprotic bimetallic Li-Na alloy O <sub>2</sub> batteries. <i>Nature Chemistry</i> , 2019, 11, 64-70.	6.6	265
40	Designing a self-healing protective film on a lithium metal anode for long-cycle-life lithium-oxygen batteries. <i>Energy Storage Materials</i> , 2019, 18, 382-388.	9.5	83
41	Alkali Metal Anodes for Rechargeable Batteries. <i>CheM</i> , 2019, 5, 313-338.	5.8	170
42	N-doped C@Zn <sub>3</sub> B <sub>2</sub> O <sub>6</sub> as a Low Cost and Environmentally Friendly Anode Material for Na-Ion Batteries: High Performance and New Reaction Mechanism. <i>Advanced Materials</i> , 2019, 31, e1805432.	11.1	72
43	Imine-Rich Poly(2,2'-bipyridine) as High-Capacity Trifunctional Organic Electrode for Alkali-Ion Batteries. <i>CCS Chemistry</i> , 2019, 1, 365-372.	4.6	40
44	Anchoring Iron-EDTA Complex on Graphene toward the Synthesis of Highly Efficient Fe-N Oxygen Reduction Electrocatalyst for Fuel Cells. <i>Chinese Journal of Chemistry</i> , 2018, 36, 287-292.	2.6	22
45	High-Energy-Density Flexible Potassium-Ion Battery Based on Patterned Electrodes. <i>Joule</i> , 2018, 2, 736-746.	11.7	199
46	Decorating carbon nanofibers with Mo <sub>2</sub> C nanoparticles towards hierarchically porous and highly catalytic cathode for high-performance Li-O <sub>2</sub> batteries. <i>Science Bulletin</i> , 2018, 63, 433-440.	4.3	33
47	Superior Oxygen Reduction Electrocatalyst: Hollow Porous Spinel Microsphere. <i>CheM</i> , 2018, 4, 196-198.	5.8	34
48	Hybrid electrolyte with robust garnet-ceramic electrolyte for lithium anode protection in lithium-oxygen batteries. <i>Nano Research</i> , 2018, 11, 3434-3441.	5.8	49
49	Suppressing Sodium Dendrites by Multifunctional Polyvinylidene Fluoride (PVDF) Interlayers with Nonthrough Pores and High Flux/Affinity of Sodium Ions toward Long Cycle Life Sodium Oxygen Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1703931.	7.8	54
50	Photoinduced decoration of NiO nanosheets/Ni foam with Pd nanoparticles towards a carbon-free and self-standing cathode for a lithium-oxygen battery with a low overpotential and long cycle life. <i>Materials Horizons</i> , 2018, 5, 298-302.	6.4	27
51	Blood-Capillary-Inspired, Free-Standing, Flexible, and Low-Cost Super-Hydrophobic N-CNTs@SS Cathodes for High-Capacity, High-Rate, and Stable Li-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702242.	10.2	108
52	Complete Dehydrogenation of N <sub>2</sub> H <sub>4</sub> BH <sub>3</sub> over Noble-Metal-Free Ni <sub>0.5</sub> Fe <sub>0.5</sub> @CeO <sub>x</sub> /MIL-101 with High Activity and 100% H <sub>2</sub> Selectivity. <i>Advanced Energy Materials</i> , 2018, 8, 1800625.	10.2	44
53	Functional and stability orientation synthesis of materials and structures in aprotic Li-O <sub>2</sub> batteries. <i>Chemical Society Reviews</i> , 2018, 47, 2921-3004.	18.7	282
54	Engineering Ultrathin C <sub>3</sub> N <sub>4</sub> Quantum Dots on Graphene as a Metal-Free Water Reduction Electrocatalyst. <i>ACS Catalysis</i> , 2018, 8, 3965-3970.	5.5	130

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55	Advanced catalysts for sustainable hydrogen generation and storage via hydrogen evolution and carbon dioxide/nitrogen reduction reactions. <i>Progress in Materials Science</i> , 2018, 92, 64-111.	16.0	195
56	The PVDF-HFP gel polymer electrolyte for Li-O <sub>2</sub> battery. <i>Solid State Ionics</i> , 2018, 318, 88-94.	1.3	93
57	Three-dimensional interconnected Ni(Fe)OxHy nanosheets on stainless steel mesh as a robust integrated oxygen evolution electrode. <i>Nano Research</i> , 2018, 11, 1294-1300.	5.8	103
58	Non-noble metals applied to solar water splitting. <i>Energy and Environmental Science</i> , 2018, 11, 3128-3156.	15.6	134
59	Recent Progresses and Prospects of Cathode Materials for Non-aqueous Potassium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2018, 1, 548-566.	13.1	48
60	Stretchable Electrode Breakthrough: Archimedean Spiral Coil Lithium Anode. <i>Joule</i> , 2018, 2, 1654-1656.	11.7	7
61	P3-type K <sub>0.32</sub> Fe <sub>0.35</sub> Mn <sub>0.65</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a promising cathode for Na-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13075-13081.	5.2	22
62	Synthesis of porous and metallic CoB nanosheets towards a highly efficient electrocatalyst for rechargeable Na-O <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , 2018, 11, 2833-2838.	15.6	33
63	Recent Advances toward the Rational Design of Efficient Bifunctional Air Electrodes for Rechargeable Zn-Air Batteries. <i>Small</i> , 2018, 14, e1703843.	5.2	163
64	In Situ CVD Derived Co-Na-C Composite as Highly Efficient Cathode for Flexible Li-O <sub>2</sub> Batteries. <i>Small</i> , 2018, 14, e1800590.	5.2	64
65	Non-noble-metal bismuth nanoparticle-decorated bismuth vanadate nanoarray photoanode for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1799-1804.	3.2	13
66	Organic Carbonyl Compounds for Sodium-Ion Batteries: Recent Progress and Future Perspectives. <i>Chemistry - A European Journal</i> , 2018, 24, 18235-18245.	1.7	65
67	Cation Segregation of A-Site Deficiency Perovskite La <sub>0.85</sub> FeO <sub>3</sub> Nanoparticles toward High-Performance Cathode Catalysts for Rechargeable Li-O <sub>2</sub> Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25465-25472.	4.0	31
68	Flexible Metal-Air Batteries: Progress, Challenges, and Perspectives. <i>Small Methods</i> , 2018, 2, 1700231.	4.6	157
69	Achieving of High Density/Utilization of Active Groups via Synergic Integration of C=N and C=O Bonds for Ultra-Stable and High-Rate Lithium-Ion Batteries. <i>Research</i> , 2018, 2018, 1936735.	2.8	28
70	Materials Design and System Construction for Conventional and New-Concept Supercapacitors. <i>Advanced Science</i> , 2017, 4, 1600382.	5.6	365
71	Iron-chelated hydrogel-derived bifunctional oxygen electrocatalyst for high-performance rechargeable Zn-air batteries. <i>Nano Research</i> , 2017, 10, 4436-4447.	5.8	98
72	Decorating Waste Cloth via Industrial Wastewater for Tube-Type Flexible and Wearable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1603719.	11.1	131

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73	In Situ Construction of Stable Tissue-Directed/Reinforced Bifunctional Separator/Protection Film on Lithium Anode for Lithium-Oxygen Batteries. <i>Advanced Materials</i> , 2017, 29, 1606552.	11.1	162
74	High-Performance Integrated Self-Package Flexible Li-O <sub>2</sub> Battery Based on Stable Composite Anode and Flexible Gas Diffusion Layer. <i>Advanced Materials</i> , 2017, 29, 1700378.	11.1	72
75	Reversible Nitrogen Fixation Based on a Rechargeable Lithium-Nitrogen Battery for Energy Storage. <i>CheM</i> , 2017, 2, 525-532.	5.8	146
76	Hydronium Ion Batteries: A Sustainable Energy Storage Solution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6378-6380.	7.2	43
77	Hydroniumionenbatterien: eine nachhaltige Lösung zur Energiespeicherung. <i>Angewandte Chemie</i> , 2017, 129, 6476-6478.	1.6	14
78	Transformation of Rusty Stainless Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 7989-7993.	1.6	46
79	Recent advances in metal-nitrogen-carbon catalysts for electrochemical water splitting. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2155-2173.	3.2	109
80	Transformation of Rusty Stainless Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7881-7885.	7.2	241
81	Nanoengineered Ultralight and Robust All-Metal Cathode for High-Capacity, Stable Lithium-Oxygen Batteries. <i>ACS Central Science</i> , 2017, 3, 598-604.	5.3	109
82	In Situ Coupling FeM (M = Ni, Co) with Nitrogen-Doped Porous Carbon toward Highly Efficient Trifunctional Electrocatalyst for Overall Water Splitting and Rechargeable Zn-Air Battery. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700020.	2.7	122
83	Composition-tunable synthesis of clean syngas via a one-step synthesis of metal-free pyridinic-N-enriched self-supported CNTs: the synergy of electrocatalyst pyrolysis temperature and potential. <i>Green Chemistry</i> , 2017, 19, 4284-4288.	4.6	53
84	Flexible Electrodes for Sodium-Ion Batteries: Recent Progress and Perspectives. <i>Advanced Materials</i> , 2017, 29, 1703012.	11.1	156
85	Recent Progress in Electrocatalyst for Li-O <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700875.	10.2	235
86	Li-air batteries: Decouple to stabilize. <i>Nature Energy</i> , 2017, 2, .	19.8	46
87	P3-type K <sub>0.33</sub> Co <sub>0.53</sub> Mn <sub>0.47</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a novel bifunctional electrode for Na-ion batteries. <i>Materials Horizons</i> , 2017, 4, 1122-1127.	6.4	41
88	CeO <sub>2</sub> @NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays on carbon textiles as high performance cathode for Li-O <sub>2</sub> batteries. <i>Science China Chemistry</i> , 2017, 60, 1540-1545.	4.2	24
89	Electrochemical Reduction of N <sub>2</sub> under Ambient Conditions for Artificial N <sub>2</sub> Fixation and Renewable Energy Storage Using N <sub>2</sub> /NH <sub>3</sub> Cycle. <i>Advanced Materials</i> , 2017, 29, 1604799.	11.1	969
90	Ultrathin, Lightweight, and Wearable Li-O <sub>2</sub> Battery with High Robustness and Gravimetric/Volumetric Energy Density. <i>Small</i> , 2017, 13, 1602952.	5.2	69

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91	Progress of rechargeable lithium metal batteries based on conversion reactions. National Science Review, 2017, 4, 54-70.	4.6	128
92	Surfactant-free Aqueous Synthesis of Pure Single-crystalline SnSe Nanosheet Clusters as Anode for High Energy and Power Density Sodium-ion Batteries. Advanced Materials, 2017, 29, 1602469.	11.1	231
93	Co-embedded N-doped carbon fibers as highly efficient and binder-free cathode for Na-O <sub>2</sub> batteries. Energy Storage Materials, 2017, 6, 1-8.	9.5	57
94	Recent Progress on the Development of Metal-Air Batteries. Advanced Sustainable Systems, 2017, 1, 1700036.	2.7	83
95	Green and Facile Fabrication of MWNTs@Sb <sub>2</sub> S <sub>3</sub> @PPy Coaxial Nanocables for High-performance Na-ion Batteries. Particle and Particle Systems Characterization, 2016, 33, 493-499.	1.2	66
96	Cable-type Water-survivable Flexible Li-O <sub>2</sub> Battery. Small, 2016, 12, 3101-3105.	5.2	102
97	N,O-codoped porous carbon nanosheets for capacitors with ultra-high capacitance. Science China Materials, 2016, 59, 547-557.	3.5	26
98	Optimized nitrogen-doped carbon with a hierarchically porous structure as a highly efficient cathode for Na-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2016, 4, 10008-10013.	5.2	29
99	In situ anchoring of Co <sub>9</sub> S <sub>8</sub> nanoparticles on N and S co-doped porous carbon tube as bifunctional oxygen electrocatalysts. NPG Asia Materials, 2016, 8, e308-e308.	3.8	164
100	A binder-free, flexible cathode for rechargeable Na-O <sub>2</sub> batteries. Chinese Journal of Catalysis, 2016, 37, 1172-1179.	6.9	18
101	A Flexible and Wearable Lithium-Oxygen Battery with Record Energy Density achieved by the Interlaced Architecture inspired by Bamboo Slips. Advanced Materials, 2016, 28, 8413-8418.	11.1	138
102	A Biodegradable Polydopamine-derived Electrode Material for High Capacity and Long-life Lithium-ion and Sodium-ion Batteries. Angewandte Chemie, 2016, 128, 10820-10824.	1.6	131
103	A Biodegradable Polydopamine-derived Electrode Material for High Capacity and Long-life Lithium-ion and Sodium-ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 10662-10666.	7.2	325
104	Cathode Surface-induced, Solvation-mediated, Micrometer-sized Li <sub>2</sub> O <sub>2</sub> Cycling for Li-O <sub>2</sub> Batteries. Advanced Materials, 2016, 28, 9620-9628.	11.1	232
105	In Situ Coupling of Strung Co <sub>4</sub> N and Intertwined Na-C Fibers toward Free-Standing Bifunctional Cathode for Robust, Efficient, and Flexible Zn-Air Batteries. Journal of the American Chemical Society, 2016, 138, 10226-10231.	6.6	839
106	In Situ Activating Ubiquitous Rust towards Low-cost, Efficient, Free-standing, and Recoverable Oxygen Evolution Electrodes. Angewandte Chemie - International Edition, 2016, 55, 9937-9941.	7.2	173
107	In Situ Activating Ubiquitous Rust towards Low-cost, Efficient, Free-standing, and Recoverable Oxygen Evolution Electrodes. Angewandte Chemie, 2016, 128, 10091-10095.	1.6	50
108	Reactive Multifunctional Template-induced Preparation of Fe-N-doped Mesoporous Carbon Microspheres Towards Highly Efficient Electrocatalysts for Oxygen Reduction. Advanced Materials, 2016, 28, 7948-7955.	11.1	342

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109	Designing multi-shelled metal oxides: towards high energy-density lithium-ion batteries. <i>Science China Materials</i> , 2016, 59, 521-522.	3.5	12
110	Growth of Ru <sup>II</sup> -Modified Co <sub>3</sub> O <sub>4</sub> Nanosheets on Carbon Textiles toward Flexible and Efficient Cathodes for Flexible Li <sup>+</sup> O <sub>2</sub> Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 500-505.	1.2	33
111	Macroporous Interconnected Hollow Carbon Nanofibers Inspired by Golden Toad Eggs toward a Binder-Free, High-Rate, and Flexible Electrode. <i>Advanced Materials</i> , 2016, 28, 7494-7500.	11.1	162
112	Hybrid Film from Nickel Oxide and Oxygenated Carbon Nanotube as Flexible Electrodes for Pseudocapacitors. <i>ChemNanoMat</i> , 2016, 2, 698-703.	1.5	10
113	Integrated Three-Dimensional Carbon Paper/Carbon Tubes/Cobalt-Sulfide Sheets as an Efficient Electrode for Overall Water Splitting. <i>ACS Nano</i> , 2016, 10, 2342-2348.	7.3	575
114	Integrating 3D Flower-Like Hierarchical Cu <sub>2</sub> NiSnS <sub>4</sub> with Reduced Graphene Oxide as Advanced Anode Materials for Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9178-9184.	4.0	64
115	Flexible and Foldable Li <sup>+</sup> O <sub>2</sub> Battery Based on Paper-Ink Cathode. <i>Advanced Materials</i> , 2015, 27, 8095-8101.	11.1	117
116	Artificial Protection Film on Lithium Metal Anode toward Long-Cycle-Life Lithium-Oxygen Batteries. <i>Advanced Materials</i> , 2015, 27, 5241-5247.	11.1	439
117	Synergistic Effect between Metal-Nitrogen-Carbon Sheets and NiO Nanoparticles for Enhanced Electrochemical Water-Oxidation Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10530-10534.	7.2	301
118	Recent Progress on Stability Enhancement for Cathode in Rechargeable Non-Aqueous Lithium-Oxygen Battery. <i>Advanced Energy Materials</i> , 2015, 5, 1500633.	10.2	128
119	Hierarchical Co <sub>3</sub> O <sub>4</sub> porous nanowires as an efficient bifunctional cathode catalyst for long life Li-O <sub>2</sub> batteries. <i>Nano Research</i> , 2015, 8, 576-583.	5.8	65
120	Pure Single-Crystalline Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> Nanobelts as Superior Cathode Materials for Rechargeable Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1400018.	5.6	110
121	Flexible lithium-oxygen battery based on a recoverable cathode. <i>Nature Communications</i> , 2015, 6, 7892.	5.8	279
122	Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance. <i>Energy and Environmental Science</i> , 2015, 8, 1660-1681.	15.6	362
123	Gelatin-derived sustainable carbon-based functional materials for energy conversion and storage with controllability of structure and component. <i>Science Advances</i> , 2015, 1, e1400035.	4.7	144
124	Multi-ring aromatic carbonyl compounds enabling high capacity and stable performance of sodium-organic batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3160-3165.	15.6	155
125	C and N Hybrid Coordination Derived Co-C-N Complex as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 15070-15073.	6.6	377
126	Engraving Copper Foil to Give Large-Scale Binder-Free Porous CuO Arrays for a High-Performance Sodium-Ion Battery Anode. <i>Advanced Materials</i> , 2014, 26, 2273-2279.	11.1	427

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127	Electrodes: Engraving Copper Foil to Give Large-Scale Binder-Free Porous CuO Arrays for a High-Performance Sodium-Ion Battery Anode (Adv. Mater. 14/2014). Advanced Materials, 2014, 26, 2284-2284.	11.1	9
128	Tailored Aromatic Carbonyl Derivative Polyimides for High-Power and Long-Cycle Sodium-Organic Batteries. Advanced Energy Materials, 2014, 4, 1301651.	10.2	319
129	Direct electrodeposition of cobalt oxide nanosheets on carbon paper as free-standing cathode for Li-O <sub>2</sub> battery. Journal of Materials Chemistry A, 2014, 2, 6081-6085.	5.2	83
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