

# Cheng-Lin Yan

## List of Publications by Year in descending order

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173  
papers

13,963  
citations

16451

64  
h-index

23533

111  
g-index

175  
all docs

175  
docs citations

175  
times ranked

14011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature Li-S batteries enabled by all amorphous conversion process of organosulfur cathode. <i>Journal of Energy Chemistry</i> , 2022, 64, 496-502.	12.9	28
2	Ni <sub>3</sub> S <sub>2</sub> @Ni <sub>5</sub> P <sub>4</sub> nanosheets as highly productive catalyst for electrocatalytic oxygen evolution. <i>Chemical Engineering Science</i> , 2022, 247, 117020.	3.8	12
3	Interfacial Microextraction Boosting Nitrogen Feed for Efficient Ambient Ammonia Synthesis in Aqueous Electrolyte. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	41
4	Processing robust lithium metal anode for high-security batteries: A minireview. <i>Energy Storage Materials</i> , 2022, 47, 122-133.	18.0	28
5	Recent advances in material design and reactor engineering for electrocatalytic ambient nitrogen fixation. <i>Materials Chemistry Frontiers</i> , 2022, 6, 843-879.	5.9	14
6	A Lewis acidity adjustable organic ammonium cation derived robust protecting shield for stable aqueous zinc-ion batteries by inhibiting the tip effect. <i>Materials Chemistry Frontiers</i> , 2022, 6, 901-907.	5.9	13
7	Diminishing Interfacial Turbulence by Colloid-Polymer Electrolyte to Stabilize Zinc Ion Flux for Deep-Cycling Zn Metal Batteries. <i>Advanced Materials</i> , 2022, 34, e2200131.	21.0	54
8	New Type of Dynamically "Solid-Liquid" Interconvertible Electrolyte for High-Rate Zn Metal Battery. <i>Nano Letters</i> , 2022, 22, 2898-2906.	9.1	13
9	Accelerated Ionic and Charge Transfer through Atomic Interfacial Electric Fields for Superior Sodium Storage. <i>ACS Nano</i> , 2022, 16, 4775-4785.	14.6	28
10	Unravelling critical role of metal cation engineering in boosting hydrogen evolution reaction activity of molybdenum diselenide. <i>Rare Metals</i> , 2022, 41, 1851-1858.	7.1	10
11	Surpassing the Redox Potential Limit of Organic Cathode Materials via Extended $\pi$ -Conjugation of Dioxin. <i>Nano Letters</i> , 2022, 22, 3473-3479.	9.1	14
12	Interfacial engineering of carbon-based materials for efficient electrocatalysis: Recent advances and future. <i>EnergyChem</i> , 2022, 4, 100074.	19.1	20
13	Implanting an ion-selective "skin" in electrolyte towards high-energy and safe lithium-sulfur battery. <i>Matter</i> , 2022, 5, 2225-2237.	10.0	14
14	Suppressing Surface Lattice Oxygen Evolution by Fluorinated Graphene-Scaffolded Lithium-Rich Manganese-Based Cathode for Enhanced Stability. <i>Energy Storage Materials</i> , 2022, 49, 555-563.	18.0	10
15	Cationic Covalent Organic Framework with Ultralow HOMO Energy Used as Scaffolds for 5.2 V Solid Polycarbonate Electrolytes. <i>Advanced Science</i> , 2022, 9, .	11.2	19
16	Unity of Opposites between Soluble and Insoluble Lithium Polysulfides in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, .	21.0	38
17	Altering the rate-determining step over cobalt single clusters leading to highly efficient ammonia synthesis. <i>National Science Review</i> , 2021, 8, nwaal36.	9.5	64
18	Rapid leakage responsive and self-healing Li-metal batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126470.	12.7	26

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19	Insight into the reaction mechanism of sulfur chains adjustable polymer cathode for high-loading lithium-organosulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 56, 238-244.	12.9	28
20	Boosting Oxygen Dissociation over Bimetal Sites to Facilitate Oxygen Reduction Activity of Zinc-Air Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2006533.	14.9	64
21	A novel one-step reaction sodium-sulfur battery with high areal sulfur loading on hierarchical porous carbon fiber. , 2021, 3, 440-448.		31
22	Highly efficient lithium utilization in lithium metal full-cell by simulated missile guidance and confinement systems. <i>Science China Materials</i> , 2021, 64, 830-839.	6.3	6
23	In-situ tracking of phase conversion reaction induced metal/metal oxides for efficient oxygen evolution. <i>Science China Materials</i> , 2021, 64, 362-373.	6.3	19
24	Proton-filtering covalent organic frameworks with superior nitrogen penetration flux promote ambient ammonia synthesis. <i>Nature Catalysis</i> , 2021, 4, 322-331.	34.4	216
25	Propagation of Spin Waves in a 2D Vortex Network. <i>Nano Letters</i> , 2021, 21, 4708-4714.	9.1	10
26	Salting-out effect promoting highly efficient ambient ammonia synthesis. <i>Nature Communications</i> , 2021, 12, 3198.	12.8	105
27	Engineering Fe-N Coordination Structures for Fast Redox Conversion in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021, 33, e2100171.	21.0	167
28	Healable Lithium Alloy Anode with Ultrahigh Capacity. <i>Nano Letters</i> , 2021, 21, 5021-5027.	9.1	21
29	Surface Sulfur Vacancy Engineering of Metal Sulfides Promoted Desorption of Hydrogen Atoms for Enhanced Electrocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12707-12712.	3.1	21
30	Accelerating Ion Dynamics Under Cryogenic Conditions by the Amorphization of Crystalline Cathodes. <i>Advanced Materials</i> , 2021, 33, e2102634.	21.0	46
31	Functional-selected LiF-intercalated-graphene enabling ultra-stable lithium sulfur battery. <i>Journal of Energy Chemistry</i> , 2021, 58, 78-84.	12.9	17
32	All-Liquid-Phase Reaction Mechanism Enabling Cryogenic Li-S Batteries. <i>ACS Nano</i> , 2021, 15, 13847-13856.	14.6	55
33	Paired Electrochemical N-N Coupling Employing a Surface-Hydroxylated Ni <sub>3</sub> Fe-MOF-OH Bifunctional Electrocatalyst with Enhanced Adsorption of Nitroarenes and Anilines. <i>ACS Catalysis</i> , 2021, 11, 13510-13518.	11.2	26
34	Molecular Simulations Guided Polymer Electrolyte towards Superior Low-Temperature Solid Lithium-Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48810-48817.	8.0	16
35	Atomic Heterointerface Boosts the Catalytic Activity toward Oxygen Reduction/Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2102235.	19.5	19
36	In Situ/Operando Spectroscopic Characterizations Guide the Compositional and Structural Design of Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020, 4, 1900467.	8.6	42

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37	Single lithium-ion channel polymer binder for stabilizing sulfur cathodes. <i>National Science Review</i> , 2020, 7, 315-323.	9.5	43
38	Dendrite-free and Ultra-High energy lithium sulfur battery enabled by dimethyl polysulfide intermediates. <i>Energy Storage Materials</i> , 2020, 24, 265-271.	18.0	26
39	<sup>2</sup> D Materials for Inhibiting the Shuttle Effect in Advanced Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2020, 13, 1447-1479.	6.8	49
40	Super lithiophilic SEI derived from quinones electrolyte to guide Li uniform deposition. <i>Energy Storage Materials</i> , 2020, 24, 426-431.	18.0	34
41	Lithium dendrite inhibition via 3D porous lithium metal anode accompanied by inherent SEI layer. <i>Energy Storage Materials</i> , 2020, 26, 385-390.	18.0	52
42	Mg Doped Li-Alloy with In Situ Formed Lithiophilic LiB Skeleton for Lithium Metal Batteries. <i>Advanced Science</i> , 2020, 7, 1902643.	11.2	106
43	Identifying the Lewis Base Chemistry in Preventing the Deposition of Metal Oxides on Ketone-Enriched Carbon Cathodes for Highly Durable Metal-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3603-3609.	8.0	9
44	Pyridinic and graphitic nitrogen-enriched carbon paper as a highly active bifunctional catalyst for Zn-air batteries. <i>Electrochimica Acta</i> , 2020, 334, 135562.	5.2	45
45	Stitching of Zn <sub>3</sub> (OH) <sub>2</sub> V <sub>2</sub> O <sub>7</sub> ·2H <sub>2</sub> O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 842-853.	14.6	183
46	Boron-Modified Electron Transfer in Metallic 1T MoSe <sub>2</sub> for Enhanced Inherent Activity on Per-Catalytic Site toward Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901560.	3.7	22
47	Mechanically Robust Gel Polymer Electrolyte for an Ultrastable Sodium Metal Battery. <i>Small</i> , 2020, 16, e1906208.	10.0	42
48	Novel Organophosphate-Derived Dual-Layered Interface Enabling Air-Stable and Dendrite-Free Lithium Metal Anode. <i>Advanced Materials</i> , 2020, 32, e1902724.	21.0	83
49	Boosting the Optimization of Lithium Metal Batteries by Molecular Dynamics Simulations: A Perspective. <i>Advanced Energy Materials</i> , 2020, 10, 2002373.	19.5	56
50	An organic nickel salt-based electrolyte additive boosts homogeneous catalysis for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 33, 290-297.	18.0	69
51	Artificial Lithium Isopropyl-Sulfide Macromolecules as an Ion-Selective Interface for Long-Life Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54537-54544.	8.0	49
52	Realizing high performance of solid-state lithium metal batteries by flexible ceramic/polymer hybrid solid electrolyte. <i>Rare Metals</i> , 2020, 39, 458-459.	7.1	31
53	Atomic Metal Vacancy Modulation of Single-Atom Dispersed Co/N/C for Highly Efficient and Stable Air Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 15298-15304.	8.0	33
54	Single-atom scale metal vacancy engineering in heteroatom-doped carbon for rechargeable zinc-air battery with reduced overpotential. <i>Chemical Engineering Journal</i> , 2020, 393, 124702.	12.7	43

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55	Unveiling the Essential Nature of Lewis Basicity in Thermodynamically and Dynamically Promoted Nitrogen Fixation. <i>Advanced Functional Materials</i> , 2020, 30, 2001244.	14.9	49
56	In-situ observation as activity descriptor enables rational design of oxygen reduction catalyst for zinc-air battery. <i>Energy Storage Materials</i> , 2020, 27, 226-231.	18.0	42
57	Bimetal Schottky Heterojunction Boosting Energy-saving Hydrogen Production from Alkaline Water via Urea Electrocatalysis. <i>Advanced Functional Materials</i> , 2020, 30, 2000556.	14.9	216
58	Wiping off oxygen bonding to maximize heteroatom-induced improvement in oxygen reaction activity of metal site for high-performance zinc-air battery. <i>Nanotechnology</i> , 2020, 31, 195403.	2.6	1
59	Atom removal on the basal plane of layered MoS <sub>2</sub> leading to extraordinarily enhanced electrocatalytic performance. <i>Electrochimica Acta</i> , 2020, 336, 135740.	5.2	16
60	Toward safer solid-state lithium metal batteries: a review. <i>Nanoscale Advances</i> , 2020, 2, 1828-1836.	4.6	50
61	Ultrastable Sodium-sulfur Batteries without Polysulfides Formation Using Slit Ultramicropore Carbon Carrier. <i>Advanced Science</i> , 2020, 7, 1903246.	11.2	109
62	Enhanced utilization of active sites of Fe/N/C catalysts by pore-in-pore structures for ultrahigh mass activity. <i>Nanotechnology</i> , 2020, 31, 315401.	2.6	6
63	In situ evolved NiMo/NiMoO <sub>4</sub> nanorods as a bifunctional catalyst for overall water splitting. <i>Nanotechnology</i> , 2020, 31, 495404.	2.6	14
64	Strongly trapping soluble lithium polysulfides using polar cysteamine groups for highly stable lithium sulfur batteries. <i>Nanotechnology</i> , 2020, 31, 485403.	2.6	4
65	LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> as both a trapper and accelerator of polysulfides for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019, 17, 111-117.	18.0	54
66	High Coulombic efficiency cathode with nitril grafted sulfur for Li-S battery. <i>Energy Storage Materials</i> , 2019, 17, 260-265.	18.0	35
67	Modulating the d-band center of boron doped single-atom sites to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20952-20957.	10.3	117
68	Single-Atom Iron as Lithiophilic Site To Minimize Lithium Nucleation Overpotential for Stable Lithium Metal Full Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32008-32014.	8.0	64
69	Double-shelled hollow carbon spheres confining tin as high-performance electrodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 321, 134672.	5.2	42
70	Updating the Intrinsic Activity of a Single-Atom Site with a C-O Bond for a Rechargeable Zn-air Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33054-33061.	8.0	47
71	A New Type of Electrolyte System To Suppress Polysulfide Dissolution for Lithium-sulfur Battery. <i>ACS Nano</i> , 2019, 13, 9067-9073.	14.6	69
72	CuCo <sub>2</sub> S <sub>4</sub> Nanosheets@N-Doped Carbon Nanofibers by Sulfurization at Room Temperature as Bifunctional Electrocatalysts in Flexible Quasi-Solid-State Zn-air Batteries. <i>Advanced Science</i> , 2019, 6, 1900628.	11.2	123

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73	Trifluoropropylene Carbonate-Driven Interface Regulation Enabling Greatly Enhanced Lithium Storage Durability of Silicon-Based Anodes. <i>Advanced Functional Materials</i> , 2019, 29, 1906548.	14.9	49
74	Nonflammable and High-Voltage-Tolerated Polymer Electrolyte Achieving High Stability and Safety in 4.9 V-Class Lithium Metal Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45048-45056.	8.0	73
75	Facilitating nitrogen accessibility to boron-rich covalent organic frameworks via electrochemical excitation for efficient nitrogen fixation. <i>Nature Communications</i> , 2019, 10, 3898.	12.8	191
76	Stabilizing cathodes of lithium-sulfur batteries by the chemical binding of sulfur and their discharge products to carbon nanofibers. <i>New Journal of Chemistry</i> , 2019, 43, 15267-15274.	2.8	7
77	Mega High Utilization of Sodium Metal Anodes Enabled by Single Zinc Atom Sites. <i>Nano Letters</i> , 2019, 19, 7827-7835.	9.1	86
78	Over 56.55% Faradaic efficiency of ambient ammonia synthesis enabled by positively shifting the reaction potential. <i>Nature Communications</i> , 2019, 10, 341.	12.8	412
79	A new high ionic conductive gel polymer electrolyte enables highly stable quasi-solid-state lithium sulfur battery. <i>Energy Storage Materials</i> , 2019, 22, 256-264.	18.0	89
80	Single-cluster Au as an usher for deeply cyclable Li metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14496-14503.	10.3	51
81	Selenium-Doped Carbon Nanosheets with Strong Electron Cloud Delocalization for Nondeposition of Metal Oxides on Air Cathode of Zinc-Air Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20056-20063.	8.0	46
82	High-Safety All-Solid-State Lithium-Metal Battery with High-Ionic-Conductivity Thermoresponsive Solid Polymer Electrolyte. <i>Nano Letters</i> , 2019, 19, 3066-3073.	9.1	108
83	Lithium anode stable in air for low-cost fabrication of a dendrite-free lithium battery. <i>Nature Communications</i> , 2019, 10, 900.	12.8	297
84	Aluminum-Tailored Energy Level and Morphology of $\text{Co}_3\text{Al}_4\text{O}_{10}$ Porous Nanosheets toward Highly Efficient Electrocatalysts for Water Oxidation. <i>Small</i> , 2019, 15, e1804886.	10.0	30
85	A functional-gradient-structured ultrahigh modulus solid polymer electrolyte for all-solid-state lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24477-24485.	10.3	51
86	Nitrogen-doped graphdiyne nanowall stabilized dendrite-free lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27535-27546.	10.3	28
87	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. <i>Nature Communications</i> , 2019, 10, 4973.	12.8	144
88	PECVD-derived graphene nanowall/lithium composite anodes towards highly stable lithium metal batteries. <i>Energy Storage Materials</i> , 2019, 22, 29-39.	18.0	65
89	Enhanced Interfacial Kinetics of Carbon Monolith Boosting Ultrafast Na-Storage. <i>Small</i> , 2019, 15, 1804158.	10.0	17
90	Recent Progress on Molybdenum Oxides for Rechargeable Batteries. <i>ChemSusChem</i> , 2019, 12, 755-771.	6.8	37

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91	SnS <sub>2</sub> quantum dots growth on MoS <sub>2</sub> : Atomic-level heterostructure for electrocatalytic hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 300, 45-52.	5.2	42
92	Oxidizing Vacancies in Nitrogen-Doped Carbon Enhance Air-Cathode Activity. <i>Advanced Materials</i> , 2019, 31, e1803339.	21.0	52
93	In situ optical spectroscopy characterization for optimal design of lithium-sulfur batteries. <i>Chemical Society Reviews</i> , 2019, 48, 5432-5453.	38.1	120
94	Biobatteries: Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes (Small 13/2018). <i>Small</i> , 2018, 14, 1870058.	10.0	2
95	Blending Fe <sub>3</sub> O <sub>4</sub> into a Ni/NiO composite for efficient and stable bifunctional electrocatalyst. <i>Electrochimica Acta</i> , 2018, 264, 225-232.	5.2	42
96	Designing Safe Electrolyte Systems for a High-Stability Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1702348.	19.5	266
97	High Lithium Ion Conductivity LiF/GO Solid Electrolyte Interphase Inhibiting the Shuttle of Lithium Polysulfides in Long-Life Li-S Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706513.	14.9	109
98	Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes. <i>Small</i> , 2018, 14, e1704221.	10.0	11
99	High Edge Selectivity of In Situ Electrochemical Pt Deposition on Edge-Rich Layered WS <sub>2</sub> Nanosheets. <i>Advanced Materials</i> , 2018, 30, 1704779.	21.0	84
100	A New Hydrophilic Binder Enabling Strongly Anchoring Polysulfides for High-Performance Sulfur Electrodes in Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1702889.	19.5	270
101	Progress and perspective of organosulfur polymers as cathode materials for advanced lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 15, 53-64.	18.0	131
102	Inhibiting Polysulfide Shuttling with a Graphene Composite Separator for Highly Robust Lithium-Sulfur Batteries. <i>Joule</i> , 2018, 2, 2091-2104.	24.0	345
103	Single-Nanostructured Electrochemical Detection for Intrinsic Mechanism of Energy Storage: Progress and Prospect. <i>Small</i> , 2018, 14, e1803482.	10.0	4
104	Redox Chemistry of Molybdenum Trioxide for Ultrafast Hydrogen-Ion Storage. <i>Angewandte Chemie</i> , 2018, 130, 11743-11747.	2.0	20
105	Understanding of the Ultrastable K <sup>+</sup> Ion Storage of Carbonaceous Anode. <i>Advanced Functional Materials</i> , 2018, 28, 1801989.	14.9	159
106	Use of Tween Polymer To Enhance the Compatibility of the Li/Electrolyte Interface for the High-Performance and High-Safety Quasi-Solid-State Lithium-Sulfur Battery. <i>Nano Letters</i> , 2018, 18, 4598-4605.	9.1	81
107	Redox Chemistry of Molybdenum Trioxide for Ultrafast Hydrogen-Ion Storage (Angew.)	2.0	0
108	Greatly Improved Conductivity of Double-Chain Polymer Network Binder for High Sulfur Loading Lithium-Sulfur Batteries with a Low Electrolyte/Sulfur Ratio. <i>Small</i> , 2018, 14, e1801536.	10.0	47

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109	Redox Chemistry of Molybdenum Trioxide for Ultrafast Hydrogen Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11569-11573.	13.8	116
110	Atomic Interlamellar Ion Path in High Sulfur Content Lithium-Montmorillonite Host Enables High-Rate and Stable Lithium-Sulfur Battery. <i>Advanced Materials</i> , 2018, 30, e1804084.	21.0	201
111	Bioinspired Polysulfiphobic Artificial Interphase Layer on Lithium Metal Anodes for Lithium Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30058-30064.	8.0	49
112	Nitrogen-Doped Carbon Coated WS <sub>2</sub> Nanosheets as Anode for High-Performance Sodium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2018, 6, 236.	3.6	22
113	Freestanding Electrode Pairs with High Areal Density Fabricated under High Pressure and High Temperature for Flexible Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 3171-3179.	5.1	13
114	Facilitated Oxygen Chemisorption in Heteroatom-Doped Carbon for Improved Oxygen Reaction Activity in All-Solid-State Zinc-Air Batteries. <i>Advanced Materials</i> , 2018, 30, 1704898.	21.0	135
115	An Efficient Bifunctional Electrocatalyst for a Zinc-Air Battery Derived from Fe/N/C and Bimetallic Metal-Organic Framework Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5213-5221.	8.0	113
116	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1605160.	21.0	284
117	Unprecedented Activity of Bifunctional Electrocatalyst for High Power Density Aqueous Zinc-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21216-21224.	8.0	64
118	Ni/Fe Ratio Dependence of Catalytic Activity in Monodisperse Ternary Nickel Iron Phosphide for Efficient Water Oxidation. <i>ChemElectroChem</i> , 2017, 4, 2150-2157.	3.4	44
119	Greatly Suppressed Shuttle Effect for Improved Lithium Sulfur Battery Performance through Short Chain Intermediates. <i>Nano Letters</i> , 2017, 17, 538-543.	9.1	271
120	Active Fe-N Sites in Carbon Nanosheets as Oxygen Reduction Electrocatalyst for Flexible All-Solid-State Zinc-Air Batteries. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700085.	5.3	43
121	Stabilized Lithium-Sulfur Batteries by Covalently Binding Sulfur onto the Thiol-Terminated Polymeric Matrices. <i>Small</i> , 2017, 13, 1702104.	10.0	34
122	High coulombic efficiency and high-rate capability lithium sulfur batteries with low-solubility lithium polysulfides by using alkylene radicals to covalently connect sulfur. <i>Nano Energy</i> , 2017, 41, 758-764.	16.0	37
123	Poros yolk-shell microspheres as N-doped carbon matrix for motivating the oxygen reduction activity of oxygen evolution oriented materials. <i>Nanotechnology</i> , 2017, 28, 365403.	2.6	10
124	Batteries: Selenium-Doped Cathodes for Lithium-Organosulfur Batteries with Greatly Improved Volumetric Capacity and Coulombic Efficiency ( <i>Adv. Mater.</i> 33/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
125	Ultra-High Pyridinic N-Doped Porous Carbon Monolith Enabling High-Capacity K-ion Battery Anodes for Both Half-Cell and Full-Cell Applications. <i>Advanced Materials</i> , 2017, 29, 1702268.	21.0	348
126	Selenium-Doped Cathodes for Lithium-Organosulfur Batteries with Greatly Improved Volumetric Capacity and Coulombic Efficiency. <i>Advanced Materials</i> , 2017, 29, 1701294.	21.0	126

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127	TiO <sub>2</sub> Feather Duster as Effective Polysulfides Restrictor for Enhanced Electrochemical Kinetics in Lithium Sulfur Batteries. <i>Small</i> , 2017, 13, 1701013.	10.0	147
128	Confined silicon nanospheres by biomass lignin for stable lithium ion battery. <i>Nanotechnology</i> , 2017, 28, 405401.	2.6	19
129	Electronic Modulation of Electrocatalytically Active Center of Cu <sub>7</sub> S <sub>4</sub> Nanodisks by Cobalt-Doping for Highly Efficient Oxygen Evolution Reaction. <i>ACS Nano</i> , 2017, 11, 12230-12239.	14.6	139
130	Molecularly Imprinted Polymer Enables High-Efficiency Recognition and Trapping Lithium Polysulfides for Stable Lithium Sulfur Battery. <i>Nano Letters</i> , 2017, 17, 5064-5070.	9.1	112
131	Stationary Full Li-Ion Batteries with Interlayer-Expanded V <sub>6</sub> O <sub>13</sub> Cathodes and Lithiated Graphite Anodes. <i>Electrochimica Acta</i> , 2016, 203, 171-177.	5.2	42
132	Half and full sodium-ion batteries based on maize with high-loading density and long-cycle life. <i>Nanoscale</i> , 2016, 8, 15497-15504.	5.6	35
133	Na+Fuel Cells: Half-Cell and Full-Cell Applications of Highly Stable and Binder-Free Sodium Ion Batteries Based on Cu <sub>3</sub> P Nanowire Anodes ( <i>Adv. Funct. Mater.</i> 28/2016). <i>Advanced Functional Materials</i> , 2016, 26, 5002-5002.	14.9	5
134	Lanthanide Ion Doped Upconverting Nanoparticles: Synthesis, Structure and Properties. <i>Small</i> , 2016, 12, 3888-3907.	10.0	91
135	Half-Cell and Full-Cell Applications of Highly Stable and Binder-Free Sodium Ion Batteries Based on Cu <sub>3</sub> P Nanowire Anodes. <i>Advanced Functional Materials</i> , 2016, 26, 5019-5027.	14.9	243
136	A Sustainable Route from Biomass Byproduct Okara to High Content Nitrogen-Doped Carbon Sheets for Efficient Sodium Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 539-545.	21.0	384
137	Core-Shell Coating Silicon Anode Interfaces with Coordination Complex for Stable Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5358-5365.	8.0	60
138	Bifunctional Au-Pd decorated MnO <sub>x</sub> nanomembranes as cathode materials for Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4155-4160.	10.3	29
139	Engineered nanomembranes for smart energy storage devices. <i>Chemical Society Reviews</i> , 2016, 45, 1308-1330.	38.1	167
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