

List of Publications by Citations

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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.

81 papers	5,199 citations	37 h-index	71 g-index
87 ext. papers	6,810 ext. citations	15 avg, IF	6.03 L-index

#	Paper	IF	Citations
81	General Oriented Formation of Carbon Nanotubes from Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8212-8221	16.4	598
80	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. <i>Nature Communications</i> , 2015 , 6, 7402	17.4	320
79	Self-smoothing anode for achieving high-energy lithium metal batteries under realistic conditions. <i>Nature Nanotechnology</i> , 2019 , 14, 594-601	28.7	300
78	Earth Abundant Fe/Mn-Based Layered Oxide Interconnected Nanowires for Advanced K-Ion Full Batteries. <i>Nano Letters</i> , 2017 , 17, 544-550	11.5	297
77	VO ₂ nanowires assembled into hollow microspheres for high-rate and long-life lithium batteries. <i>Nano Letters</i> , 2014 , 14, 2873-8	11.5	210
76	Multicomponent Hierarchical Cu-Doped NiCo-LDH/CuO Double Arrays for Ultralong-Life Hybrid Fiber Supercapacitor. <i>Advanced Functional Materials</i> , 2019 , 29, 1809004	15.6	182
75	Advances in metal-organic framework coatings: versatile synthesis and broad applications. <i>Chemical Society Reviews</i> , 2020 , 49, 3142-3186	58.5	167
74	Advances in Structure and Property Optimizations of Battery Electrode Materials. <i>Joule</i> , 2017 , 1, 522-547	27.8	163
73	Finely Crafted 3D Electrodes for Dendrite-Free and High-Performance Flexible Fiber-Shaped Zn//Co Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1802016	15.6	154
72	Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , 2019 , 4, 285-292	20.1	150
71	Novel K ₃ V ₂ (PO ₄) ₃ /C Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <i>Advanced Energy Materials</i> , 2015 , 5, 1500716	21.8	140
70	Vanadium-Based Nanomaterials: A Promising Family for Emerging Metal-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1904398	15.6	123
69	Upraising the O 2p Orbital by Integrating Ni with MoO ₂ for Accelerating Hydrogen Evolution Kinetics. <i>ACS Catalysis</i> , 2019 , 9, 2275-2285	13.1	103
68	A Novel Dendrite-Free Mn ²⁺ /Zn ²⁺ Hybrid Battery with 2.3 V Voltage Window and 11000-Cycle Lifespan. <i>Advanced Energy Materials</i> , 2019 , 9, 1901469	21.8	102
67	Interface-modulated fabrication of hierarchical yolk-shell Co ₃ O ₄ /C dodecahedrons as stable anodes for lithium and sodium storage. <i>Nano Research</i> , 2017 , 10, 2364-2376	10	91
66	Carbon-MEMS-Based Alternating Stacked MoS ₂ @rGO-CNT Micro-Supercapacitor with High Capacitance and Energy Density. <i>Small</i> , 2017 , 13, 1700639	11	90
65	Three-dimensional carbon network confined antimony nanoparticle anodes for high-capacity K-ion batteries. <i>Nanoscale</i> , 2018 , 10, 6820-6826	7.7	89

64	Identification of Phase Control of Carbon-Confined Nb ₂ O ₅ Nanoparticles toward High-Performance Lithium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1802695	21.8	88
63	Comprehensive Understandings into Complete Reconstruction of Precatalysts: Synthesis, Applications, and Characterizations. <i>Advanced Materials</i> , 2021 , 33, e2007344	24	70
62	Deep Reconstruction of Nickel-Based Precatalysts for Water Oxidation Catalysis. <i>ACS Energy Letters</i> , 2019 , 4, 2585-2592	20.1	69
61	Reconstruction-Determined Alkaline Water Electrolysis at Industrial Temperatures. <i>Advanced Materials</i> , 2020 , 32, e2001136	24	67
60	One-Dimensional Hetero-Nanostructures for Rechargeable Batteries. <i>Accounts of Chemical Research</i> , 2018 , 51, 950-959	24.3	66
59	Realizing Superior Prussian Blue Positive Electrode for Potassium Storage via Ultrathin Nanosheet Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11564-11570	8.3	59
58	Carbon-supported and nanosheet-assembled vanadium oxide microspheres for stable lithium-ion battery anodes. <i>Nano Research</i> , 2016 , 9, 128-138	10	57
57	On-Chip Ni/Zn Microbattery Based on Hierarchical Ordered Porous Ni@Ni(OH) ₂ Microelectrode with Ultrafast Ion and Electron Transport Kinetics. <i>Advanced Functional Materials</i> , 2019 , 29, 1808470	15.6	56
56	3.0 V High Energy Density Symmetric Sodium-Ion Battery: NaV(PO) ₄ NaV(PO) ₄ . <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10022-10028	9.5	56
55	A synergistic effect between layer surface configurations and K ions of potassium vanadate nanowires for enhanced energy storage performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4893-4899	13	54
54	Comprehensive understanding of the roles of water molecules in aqueous Zn-ion batteries: from electrolytes to electrode materials. <i>Energy and Environmental Science</i> , 2021 , 14, 3796-3839	35.4	53
53	Novel MOF shell-derived surface modification of Li-rich layered oxide cathode for enhanced lithium storage. <i>Science Bulletin</i> , 2018 , 63, 46-53	10.6	53
52	Solvent-Free Synthesis of Uniform MOF Shell-Derived Carbon Confined SnO ₂ /Co Nanocubes for Highly Reversible Lithium Storage. <i>Small</i> , 2017 , 13, 1701504	11	53
51	Three dimensional V ₂ O ₅ /NaV ₆ O ₁₅ hierarchical heterostructures: Controlled synthesis and synergistic effect investigated by in situ X-ray diffraction. <i>Nano Energy</i> , 2016 , 27, 147-156	17.1	50
50	New-type K _{0.7} Fe _{0.5} Mn _{0.5} O ₂ cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2017 , 35, 71-78	17.1	47
49	General Oriented Synthesis of Precise Carbon-Confined Nanostructures by Low-Pressure Vapor Superassembly and Controlled Pyrolysis. <i>Nano Letters</i> , 2017 , 17, 7773-7781	11.5	46
48	Complete Reconstruction of Hydrate Pre-Catalysts for Ultrastable Water Electrolysis in Industrial-Concentration Alkali Media. <i>Cell Reports Physical Science</i> , 2020 , 1, 100241	6.1	42
47	Universal Approach to Fabricating Graphene-Supported Single-Atom Catalysts from Doped ZnO Solid Solutions. <i>ACS Central Science</i> , 2020 , 6, 1431-1440	16.8	42

46	A robust electrospun separator modified with in situ grown metal-organic frameworks for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124979	14.7	38
45	Zinc Pyrovanadate Nanoplates Embedded in Graphene Networks with Enhanced Electrochemical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2992-2999	3.9	38
44	Realizing stable lithium and sodium storage with high areal capacity using novel nanosheet-assembled compact CaV ₄ O ₉ microflowers. <i>Nano Energy</i> , 2018 , 50, 606-614	17.1	37
43	Engineering Mesoporous Structure in Amorphous Carbon Boosts Potassium Storage with High Initial Coulombic Efficiency. <i>Nano-Micro Letters</i> , 2020 , 12, 148	19.5	36
42	K ⁺ modulated K ⁺ /vacancy disordered layered oxide for high-rate and high-capacity potassium-ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 3129-3137	35.4	36
41	2D MOF Periodontitis Photodynamic Ion Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15427-15439	16.4	36
40	Interface-modulated approach toward multilevel metal oxide nanotubes for lithium-ion batteries and oxygen reduction reaction. <i>Nano Research</i> , 2016 , 9, 2445-2457	10	32
39	Ultrafast cation insertion-selected zinc hexacyanoferrate for 1.9 V K ⁺ hybrid aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6631-6637	13	32
38	General oriented assembly of uniform carbon-confined metal oxide nanodots on graphene for stable and ultrafast lithium storage. <i>Materials Horizons</i> , 2018 , 5, 78-85	14.4	32
37	Facile electrospinning formation of carbon-confined metal oxide cube-in-tube nanostructures for stable lithium storage. <i>Chemical Communications</i> , 2017 , 53, 8284-8287	5.8	30
36	Insights into the Storage Mechanism of Layered VS ₂ Cathode in Alkali Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1904118	21.8	30
35	Facile template-free synthesis of uniform carbon-confined V ₂ O ₃ hollow spheres for stable and fast lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6220-6224	13	29
34	Insights into the storage mechanism of VS ₄ nanowire clusters in aluminum-ion battery. <i>Nano Energy</i> , 2021 , 79, 105384	17.1	28
33	Porous CaFeO as a promising lithium ion battery anode: a trade-off between high capacity and long-term stability. <i>Nanoscale</i> , 2018 , 10, 12963-12969	7.7	27
32	Recent Advances in Nanowire-Based, Flexible, Freestanding Electrodes for Energy Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 18307-18321	4.8	26
31	Boosting oxygen reduction activity with low-temperature derived high-loading atomic cobalt on nitrogen-doped graphene for efficient Zn-air batteries. <i>Chemical Communications</i> , 2019 , 55, 334-337	5.8	25
30	Origin of the extra capacity in nitrogen-doped porous carbon nanofibers for high-performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18079-18086	13	25
29	Graphene oxide-wrapped dipotassium terephthalate hollow microrods for enhanced potassium storage. <i>Chemical Communications</i> , 2018 , 54, 11029-11032	5.8	25

28	Uniform zeolitic imidazolate framework coating via in situ recoordination for efficient polysulfide trapping. <i>Energy Storage Materials</i> , 2019 , 23, 55-61	19.4	24
27	Comprehensive Insights into Electrolytes and Solid Electrolyte Interfaces in Potassium-Ion Batteries. <i>Energy Storage Materials</i> , 2021 , 38, 30-49	19.4	23
26	Polyoxomolybdate-derived carbon-encapsulated multicomponent electrocatalysts for synergistically boosting hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17874-17881	13	23
25	Gradient-temperature hydrothermal fabrication of hierarchical Zn ₂ SnO ₄ hollow boxes stimulated by thermodynamic phase transformation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14095-14100	13	18
24	Interwoven Nanowire Based On-Chip Asymmetric Microsupercapacitor with High Integrability, Areal Energy, and Power Density. <i>Advanced Energy Materials</i> , 2020 , 10, 2001873	21.8	18
23	A porous nickel cyclotetraphosphate nanosheet as a new acid-stable electrocatalyst for efficient hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 9856-9861	7.7	17
22	Scalable fabrication and active site identification of MOF shell-derived nitrogen-doped carbon hollow frameworks for oxygen reduction. <i>Journal of Materials Science and Technology</i> , 2021 , 66, 186-192	9.1	16
21	Ligand Modulation of Active Sites to Promote Electrocatalytic Oxygen Evolution.. <i>Advanced Materials</i> , 2022 , e2200270	24	16
20	Ultra-fast and high-stable near-pseudocapacitance intercalation cathode for aqueous potassium-ion storage. <i>Nano Energy</i> , 2020 , 77, 105069	17.1	15
19	Stabilizing conversion reaction electrodes by MOF derived N-doped carbon shell for highly reversible lithium storage. <i>Nano Energy</i> , 2020 , 73, 104758	17.1	15
18	A Synergistic Na-Mn-O Composite Cathodes for High-Capacity Na-Ion Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1802180	21.8	15
17	Coordination engineering of metal single atom on carbon for enhanced and robust potassium storage. <i>Matter</i> , 2021 ,	12.7	14
16	Supermolecule Cucurbituril Subnanoporous Carbon Supercapacitor (SCSCS). <i>Nano Letters</i> , 2021 , 21, 2156-2164	12.3	12
15	Scalable microfabrication of three-dimensional porous interconnected graphene scaffolds with carbon spheres for high-performance all carbon-based micro-supercapacitors. <i>Journal of Materiomics</i> , 2019 , 5, 303-312	6.7	11
14	Ligand and Anion Co-Leaching Induced Complete Reconstruction of Polyoxomolybdate-Organic Complex Oxygen-Evolving Pre-Catalysts. <i>Advanced Functional Materials</i> , 2021 , 31, 2101792	15.6	10
13	General and precise carbon confinement of functional nanostructures derived from assembled metal-phenolic networks for enhanced lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18605-18614	13	9
12	Novel layered K _{0.7} Mn _{0.7} Ni _{0.3} O ₂ cathode material with enlarged diffusion channels for high energy density sodium-ion batteries. <i>Science China Materials</i> , 2020 , 63, 1163-1170	7.1	7
11	Triple-synergistic MOF-nanozyme for efficient antibacterial treatment.. <i>Bioactive Materials</i> , 2022 , 17, 289-299	16.7	7

10	Ternary TiO/SiO@C nanocomposite derived from a novel titanium-silicon MOF for high-capacity and stable lithium storage. <i>Chemical Communications</i> , 2020 , 56, 2751-2754	5.8	6
9	A "MOFs plus ZIFs" Strategy toward Ultrafine Co Nanodots Confined into Superficial N-Doped Carbon Nanowires for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54545-54552	9.5	6
8	Niobium oxyphosphate nanosheet assembled two-dimensional anode material for enhanced lithium storage. <i>Journal of Energy Chemistry</i> , 2021 , 53, 268-275	12	5
7	Building carbon cloth-based dendrite-free potassium metal anodes for potassium metal pouch cells. <i>Journal of Materials Chemistry A</i> ,	13	5
6	A Stable CaV ₄ O ₉ Anode Promises Near-Zero Volume Change and High-Capacity Lithium Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2003612	21.8	5
5	Suppressing the Jahn-Teller Effect in Mn-Based Layered Oxide Cathode toward Long-Life Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022 , 32, 2108244	15.6	5
4	Atomic Sn-enabled high-utilization, large-capacity, and long-life Na anode.. <i>Science Advances</i> , 2022 , 8, eabm7489	14.3	4
3	Introduce Tortuosity to Retain Polysulfides and Suppress Li Dendrites. <i>Matter</i> , 2020 , 2, 1363-1365	12.7	2
2	Ganoderma Lucidum-derived erythrocyte-like sustainable materials. <i>Carbon</i> , 2022 , 196, 70-77	10.4	2
1	Charge storage mechanisms of cathode materials in rechargeable aluminum batteries. <i>Science China Chemistry</i> , 1	7.9	1