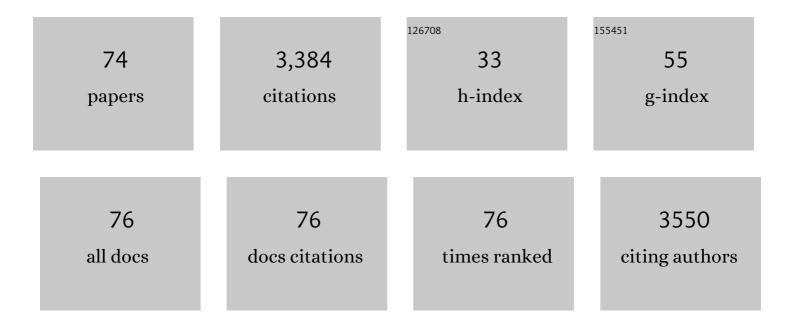
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Improved light-harvesting and thermal management for efficient solar-driven water evaporation using 3D photothermal cones. Journal of Materials Chemistry A, 2018, 6, 9874-9881.	5.2	266
2	Sulfur-nitrogen rich carbon as stable high capacity potassium ion battery anode: Performance and storage mechanisms. Energy Storage Materials, 2020, 27, 212-225.	9.5	235
3	Asymmetric Trilayer Allâ€Polymer Dielectric Composites with Simultaneous High Efficiency and High Energy Density: A Novel Design Targeting Advanced Energy Storage Capacitors. Advanced Functional Materials, 2021, 31, 2100280.	7.8	179
4	Sulfur-Rich Graphene Nanoboxes with Ultra-High Potassiation Capacity at Fast Charge: Storage Mechanisms and Device Performance. ACS Nano, 2021, 15, 1652-1665.	7.3	132
5	An electrodeposited cobalt–selenide-based film as an efficient bifunctional electrocatalyst for full water splitting. Journal of Materials Chemistry A, 2016, 4, 10933-10939.	5.2	130
6	Discovery of Quantitative Electronic Structureâ€OER Activity Relationship in Metalâ€Organic Framework Electrocatalysts Using an Integrated Theoreticalâ€Experimental Approach. Advanced Functional Materials, 2021, 31, 2102066.	7.8	114
7	Co/MoN hetero-interface nanoflake array with enhanced water dissociation capability achieves the Pt-like hydrogen evolution catalytic performance. Applied Catalysis B: Environmental, 2021, 286, 119882.	10.8	109
8	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. ACS Applied Materials & Interfaces, 2021, 13, 27522-27532.	4.0	87
9	Alternate Assemblies of Platinum Nanoparticles and Metalloporphyrins as Tunable Electrocatalysts for Dioxygen Reduction. Langmuir, 2005, 21, 323-329.	1.6	86
10	Salt assisted fabrication of lignin-derived Fe, N, P, S codoped porous carbon as trifunctional catalyst for Zn-air batteries and water-splitting devices. Chemical Engineering Journal, 2021, 421, 129704.	6.6	86
11	Nanocomposite Multilayer Film of Preyssler-Type Polyoxometalates with Fine Tunable Electrocatalytic Activities. Journal of Physical Chemistry B, 2004, 108, 9780-9786.	1.2	81
12	Asymmetric CoN <sub>3</sub> P <sub>1</sub> Trifunctional Catalyst with Tailored Electronic Structures Enabling Boosted Activities and Corrosion Resistance in an Uninterrupted Seawater Splitting System. Advanced Materials, 2022, 34, .	11.1	80
13	In situ Grown Ni phosphate@Ni <sub>12</sub> P <sub>5</sub> Nanorod Arrays as a Unique Core–Shell Architecture: Competitive Bifunctional Electrocatalysts for Urea Electrolysis at Large Current Densities. ACS Sustainable Chemistry and Engineering, 2020, 8, 7463-7471.	3.2	75
14	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible Zinc–Air Batteries. ACS Catalysis, 2022, 12, 4002-4015.	5.5	68
15	Enabling the full exposure of Fe2P@NixP heterostructures in tree-branch-like nanoarrays for promoted urea electrolysis at high current densities. Chemical Engineering Journal, 2021, 417, 128067.	6.6	66
16	Modulation of the crystalline/amorphous interface engineering on Ni-P-O-based catalysts for boosting urea electrolysis at large current densities. Chemical Engineering Journal, 2021, 425, 130514.	6.6	65
17	Metal-organic framework derived N-doped CNT@ porous carbon for high-performance sodium- and potassium-ion storage. Electrochimica Acta, 2019, 319, 541-551.	2.6	63
18	Hydrogen generation from catalytic glucose oxidation by Fe-based electrocatalysts. Electrochemistry Communications, 2017, 83, 11-15.	2.3	58

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19	Electrochemical Designing of Au/Pt Core Shell Nanoparticles as Nanostructured Catalyst with Tunable Activity for Oxygen Reduction. Electroanalysis, 2007, 19, 506-509.	1.5	55
20	A Facile and General Strategy to Deposit Polypyrrole on Various Substrates for Efficient Solarâ€Driven Evaporation. Advanced Sustainable Systems, 2019, 3, 1800108.	2.7	52
21	Controllable amorphization engineering on bimetallic metal–organic frameworks for ultrafast oxygen evolution reaction. Chemical Engineering Journal, 2021, 418, 129330.	6.6	51
22	Engineering core–shell Co9S8/Co nanoparticles on reduced graphene oxide: Efficient bifunctional Mott–Schottky electrocatalysts in neutral rechargeable Zn–Air batteries. Journal of Energy Chemistry, 2022, 68, 113-123.	7.1	51
23	Controllable Ni/NiO interface engineering on N-doped carbon spheres for boosted alkaline water-to-hydrogen conversion by urea electrolysis. Nano Research, 2022, 15, 7124-7133.	5.8	49
24	A simple route to incorporate redox mediator into carbon nanotubes/Nafion composite film and its application to determine NADH at low potential. Talanta, 2007, 74, 132-139.	2.9	46
25	Enhanced durability and activity of the perovskite electrocatalyst Pr <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>3â^îr</sub> by Ca doping for the oxygen evolution reaction at room temperature. Chemical Communications, 2017, 53, 5132-5135.	2.2	46
26	Designed Nanostructured Pt Film for Electrocatalytic Activities by Underpotential Deposition Combined Chemical Replacement Techniques. Journal of Physical Chemistry B, 2005, 109, 15264-15271.	1.2	45
27	Thin-Film Cu–Pt(111) Near-Surface Alloys: Active Electrocatalysts for the Oxygen Reduction Reaction. ACS Catalysis, 2012, 2, 1457-1460.	5.5	41
28	Fe/Fe <sub>3</sub> C Nanoparticles Encapsulated in Nâ€Doped Hollow Carbon Spheres as Efficient Electrocatalysts for the Oxygen Reduction Reaction over a Wide pH Range. Chemistry - A European Journal, 2019, 25, 9650-9657.	1.7	41
29	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. Journal of Power Sources, 2017, 361, 182-194.	4.0	39
30	Sustainable nitrogen-doped carbon electrodes for use in high-performance supercapacitors and Li-ion capacitors. Sustainable Energy and Fuels, 2020, 4, 1789-1800.	2.5	38
31	Enhanced bifunctional fuel cell catalysis <i>via</i> Pd/PtCu core/shell nanoplates. Chemical Communications, 2018, 54, 1315-1318.	2.2	37
32	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na <sup>+</sup> kinetics and specific capacity. Nanoscale, 2020, 12, 24477-24487.	2.8	36
33	Sulfur and nitrogen codoped cyanoethyl celluloseâ€derived carbon with superior gravimetric and volumetric capacity for potassium ion storage. , 2022, 4, 986-1001.		36
34	Small molecules as cross-linkers: fabrication of carbon nanotubes/thionine self-assembled multilayers on amino functionalized surfaces. Chemical Communications, 2005, , 5560.	2.2	34
35	3D PtFe Clusters with Cubeâ€inâ€Cube Structure Enhance Oxygen Reduction Catalysis and Electrochemical Sensing. Small Methods, 2018, 2, 1800073.	4.6	34
36	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. ACS Applied Nano Materials, 2019, 2, 5643-5654.	2.4	33

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37	Magnet-assisted assembly of 1-dimensional hollow PtCo nanomaterials on an electrode surface. Journal of Materials Chemistry, 2008, 18, 923.	6.7	32
38	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries. RSC Advances, 2019, 9, 32382-32394.	1.7	32
39	Multifunctional perovskite oxide for efficient solar-driven evaporation and energy-saving regeneration. Nano Energy, 2020, 70, 104538.	8.2	32
40	Improved dielectric permittivity and retained low loss in layer-structured films via controlling interfaces. Advanced Composites and Hybrid Materials, 2018, 1, 548-557.	9.9	30
41	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. Nanoscale, 2021, 13, 2389-2398.	2.8	30
42	All-cellulose-based quasi-solid-state supercapacitor with nitrogen and boron dual-doped carbon electrodes exhibiting high energy density and excellent cyclic stability. Green Energy and Environment, 2023, 8, 1091-1101.	4.7	30
43	Manipulation of New Married Edgeâ€Adjacent Fe <sub>2</sub> N <sub>5</sub> Catalysts and Identification of Active Species for Oxygen Reduction in Wide pH Range. Advanced Functional Materials, 2022, 32, .	7.8	29
44	Solar-Intensified Ultrafiltration System Based on Porous Photothermal Membrane for Efficient Water Treatment. ACS Sustainable Chemistry and Engineering, 2019, 7, 4889-4896.	3.2	27
45	N,P-Doped Carbon-Based Freestanding Electrodes Enabled by Cellulose Nanofibers for Superior Asymmetric Supercapacitors. ACS Applied Energy Materials, 2021, 4, 2327-2338.	2.5	26
46	Multifunctional Nickel Sulfide Nanosheet Arrays for Solarâ€Intensified Oxygen Evolution Reaction. Small, 2020, 16, e2002550.	5.2	25
47	Bio-derived 3D TiO <sub>2</sub> hollow spheres with a mesocrystal nanostructure to achieve improved electrochemical performance of Na-ion batteries in ether-based electrolytes. Journal of Materials Chemistry A, 2019, 7, 3399-3407.	5.2	24
48	Engineering solid–liquid-gas interfaces of single-atom cobalt catalyst for enhancing the robust stability of neutral Zn-air batteries under high current density. Chemical Engineering Journal, 2022, 433, 133685.	6.6	23
49	Spatially Confined "Edgeâ€ŧoâ€Edge―Strategy for Achieving Compact Na <sup>+</sup> /K <sup>+</sup> Storage: Constructing Heteroâ€Ni/Ni <sub>3</sub> S <sub>2</sub> in Densified Carbons. Advanced Functional Materials, 2022, 32, .	7.8	23
50	Wettable photothermal hollow fibers arrays for efficient solar-driven desalination under omnidirectional illumination without salt precipitation. Materials Today Energy, 2020, 16, 100391.	2.5	22
51	The marriage of crystalline/amorphous Co/Co3O4 heterostructures with N-doped hollow carbon spheres: efficient and durable catalysts for oxygen reduction. Materials Today Energy, 2020, 18, 100497.	2.5	19
52	Nitrogen and Oxygen Coâ€Doping Assisted Synthesis of Highly Dispersed Pd Nanoparticles on Hollow Carbon Spheres as Efficient Electrocatalysts for Oxygen Reduction Reaction. Chemistry - A European Journal, 2020, 26, 12589-12595.	1.7	19
53	Synthesis of hierarchical transition metal oxyhydroxides in aqueous solution at ambient temperature and their application as OER electrocatalysts. Journal of Energy Chemistry, 2022, 71, 89-97.	7.1	18
54	An efficient pH-universal electrocatalyst for oxygen reduction: defect-rich graphitized carbon shell wrapped cobalt within hierarchical porous N-doped carbon aerogel. Materials Today Energy, 2020, 17, 100452.	2.5	17

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55	A new strategy for achieving high K <sup>+</sup> storage capacity with fast kinetics: realizing covalent sulfur-rich carbon by phosphorous doping. Nanoscale, 2021, 13, 4911-4920.	2.8	17
56	Nitrogen-doped Sr2Fe1.5Mo0.5O6-δ perovskite as an efficient and stable catalystÂfor hydrogen evolution reaction. Materials Today Energy, 2021, 20, 100695.	2.5	16
57	Coupled cobalt oxide/hollow carbon sphere as an efficient electrocatalyst for the oxygen reduction reaction. RSC Advances, 2016, 6, 34159-34164.	1.7	14
58	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	14
59	One-pot synthesis of nanosized MnO incorporated into N-doped carbon nanosheets for high performance lithium storage. Journal of Alloys and Compounds, 2022, 902, 163827.	2.8	14
60	Synthesis of two-dimensional layered double hydroxides: a systematic overview. CrystEngComm, 2022, 24, 4639-4655.	1.3	14
61	A hybrid composite catalyst of Fe <sub>3</sub> O <sub>4</sub> nanoparticles-based carbon for electrochemical reduction of oxygen. New Journal of Chemistry, 2017, 41, 4959-4965.	1.4	13
62	High-rate sodium storage performance enabled using hollow Co3O4 nanoparticles anchored in porous carbon nanofibers anode. Journal of Alloys and Compounds, 2021, 868, 159262.	2.8	11
63	Facile Synthesis of Size ontrolled Nitrogenâ€Đoped Mesoporous Carbon Nanosphere Supported Ultrafine Ru Nanoparticles for Selective Hydrogenation of Quinolines. Chemistry - A European Journal, 2020, 26, 17000-17004.	1.7	10
64	Polyethyleneimineâ€Mediated Polyamide Composite Membrane with High Permâ€Selectivity for Forward Osmosis. Macromolecular Materials and Engineering, 2021, 306, 2000818.	1.7	9
65	Morphological modulation of CoFe-based metal organic frameworks for oxygen evolution reaction. Catalysis Communications, 2022, 165, 106445.	1.6	7
66	Morphology-controlled growth of perylene derivative induced by double-hydrophilic block copolymers. APL Materials, 2016, 4, 015705.	2.2	6
67	Sandwich-like hierarchical porous dual-carbon catalyst with more accessible sites for boosting oxygen reduction reaction. Materials Today Energy, 2021, 21, 100809.	2.5	6
68	Multifunctional reduced graphene oxide film as electrocatalysts and photothermal layer for broad spectrum solar-enhanced oxygen evolution reaction. Materials Today Energy, 2022, 25, 100966.	2.5	6
69	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. Electrochimica Acta, 2022, 424, 140596.	2.6	6
70	Synthesis of ultrathin metal oxide and hydroxide nanosheets using formamide in water at room temperature. CrystEngComm, 2021, 23, 3794-3801.	1.3	5
71	Plasmaâ€assisted Engineering of MOF Electrocatalyst for Highly Efficient Oxygen Evolution Reaction. ChemElectroChem, 0, , .	1.7	5
72	Evolution of "adsorption–insertion―K+ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. Sustainable Energy and Fuels, 0, , .	2.5	4

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73	Improving the electron transfer in the oxygen reduction reaction by N/S co-doping for high-performance of Zn–air batteries. Sustainable Energy and Fuels, 2022, 6, 3383-3393.	2.5	4
74	Cable-like heterogeneous porous carbon fibers with ultrahigh-rate capability and long cycle life for fast charging lithium-ion storage devices. Nanoscale, 2019, 11, 20893-20902.	2.8	1