

# Manfang Chen

## List of Publications by Year in descending order

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36  
papers

1,587  
citations

361413

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345221

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times ranked

1739  
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#	ARTICLE	IF	CITATIONS
1	MnO <sub>2</sub> nanosheets grown on the internal/external surface of N-doped hollow porous carbon nanospheres as the sulfur host of advanced lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2018, 335, 831-842.	12.7	157
2	Honeycomb-like Nitrogen and Sulfur Dual-Doped Hierarchical Porous Biomass-Derived Carbon for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2017, 10, 1803-1812.	6.8	143
3	Honeycomb-like nitrogen and sulfur dual-doped hierarchical porous biomass carbon bifunctional interlayer for advanced lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2019, 355, 478-486.	12.7	124
4	NiMoO <sub>4</sub> Nanosheets Anchored on Ni <sub>2</sub> S Doped Carbon Clothes with Hierarchical Structure as a Bidirectional Catalyst toward Accelerating Polysulfides Conversion for Li <sub>2</sub> S Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2101285.	14.9	119
5	Hierarchical porous carbon modified with ionic surfactants as efficient sulfur hosts for the high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2017, 313, 404-414.	12.7	93
6	Kinetically elevated redox conversion of polysulfides of lithium-sulfur battery using a separator modified with transition metals coordinated g-C <sub>3</sub> N <sub>4</sub> with carbon-conjugated. <i>Chemical Engineering Journal</i> , 2020, 385, 123905.	12.7	93
7	Multifunctional Heterostructures for Polysulfide Suppression in High-Performance Lithium-Sulfur Cathode. <i>Small</i> , 2018, 14, e1803134.	10.0	77
8	MoS <sub>2</sub> -Coated N-doped Mesoporous Carbon Spherical Composite Cathode and CNT/Chitosan Modified Separator for Advanced Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16828-16837.	6.7	72
9	Suppressing the Polysulfide Shuttle Effect by Heteroatom-Doping for High-Performance Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7545-7557.	6.7	70
10	Preparation and performances of the modified gel composite electrolyte for application of quasi-solid-state lithium sulfur battery. <i>Chemical Engineering Journal</i> , 2020, 389, 124300.	12.7	60
11	Architecture and Performance of the Novel Sulfur Host Material Based on Ti <sub>2</sub> O <sub>3</sub> Microspheres for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22439-22448.	8.0	54
12	ZnFe <sub>2</sub> O <sub>4</sub> @Ni <sub>5</sub> P <sub>4</sub> Mott-Schottky Heterojunctions to Promote Kinetics for Advanced Li-S Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23546-23557.	8.0	53
13	Enhancing the performance of lithium-sulfur batteries by anchoring polar polymers on the surface of sulfur host materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16148-16156.	10.3	52
14	Perovskite-type La <sub>0.56</sub> Li <sub>0.33</sub> TiO <sub>3</sub> as an effective polysulfide promoter for stable lithium-sulfur batteries in lean electrolyte conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10293-10302.	10.3	50
15	Carbon-Coated Ytria Hollow Spheres as Both Sulfur Immobilizer and Catalyst of Polysulfides Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42104-42113.	8.0	45
16	Synergistic Effects of Multifunctional Composites with More Efficient Polysulfide Immobilization and Ultrahigh Sulfur Content in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13562-13572.	8.0	40
17	Flower-like ZnO modified with BiOI nanoparticles as adsorption/catalytic bifunctional hosts for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020, 51, 21-29.	12.9	30
18	In-situ synthesis of highly graphitized and Fe/N enriched carbon tubes as catalytic mediums for promoting multi-step conversion of lithium polysulfides. <i>Carbon</i> , 2022, 192, 418-428.	10.3	28

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19	Porous NiCo <sub>2</sub> S <sub>4</sub> Nanoneedle Arrays with Highly Efficient Electrocatalysis Anchored on Carbon Cloths as Self-Supported Hosts for High-Loading Li <sup>+</sup> S Batteries. ACS Applied Materials & Interfaces, 2020, 12, 57975-57986.	8.0	25
20	Photovoltaic Monocrystalline Silicon Waste-Derived Hierarchical Silicon/Flake Graphite/Carbon Composite as Low-Cost and High-Capacity Anode for Lithium-Ion Batteries. ChemistrySelect, 2017, 2, 3479-3489.	1.5	22
21	Double bond effects induced by iron selenide as immobilized homogenous catalyst for efficient polysulfides capture. Chemical Engineering Journal, 2021, 421, 129770.	12.7	18
22	High-density/efficient surface active sites on modified separators to boost Li-S batteries via atomic Co <sub>3</sub> +Se termination. Nano Research, 2022, 15, 7199-7208.	10.4	18
23	Manganese Dioxide/Ant-Nest-Like Hierarchical Porous Carbon Composite with Robust Supercapacitive Performances. ACS Sustainable Chemistry and Engineering, 2018, 6, 7362-7371.	6.7	17
24	A heterogeneous FeP-CoP electrocatalyst for expediting sulfur redox in high-specific-energy lithium-sulfur batteries. Electrochimica Acta, 2021, 397, 139275.	5.2	17
25	Creating anion defects on hollow Co <sub>x</sub> Ni <sub>1-x</sub> O concave with dual binding sites as high-efficiency sulfur reduction reaction catalyst. Chemical Engineering Journal, 2022, 427, 132024.	12.7	13
26	Engineering a TiNb <sub>2</sub> O <sub>7</sub> -Based Electrocatalyst on a Flexible Self-Supporting Sulfur Cathode for Promoting Li-S Battery Performance. ACS Applied Materials & Interfaces, 2022, 14, 1157-1168.	8.0	12
27	Li <sub>2</sub> S In Situ Grown on Three-Dimensional Porous Carbon Architecture with Electron/Ion Channels and Dual Active Sites as Cathodes of Li <sup>+</sup> S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 32968-32977.	8.0	11
28	Multiple roles of titanium carbide in performance boosting: Mediator, anchor and electrocatalyst for polysulfides redox regulation. Chemical Engineering Journal, 2021, 426, 130744.	12.7	11
29	Intertwined Nitrogen-Doped Carbon Nanotube Microsphere as Polysulfide Grappler for High-Performance Lithium-Sulfur Batteries. ChemElectroChem, 2019, 6, 1466-1474.	3.4	10
30	Unveiling the Role and Mechanism of Nb Doping and In Situ Carbon Coating on Improving Lithium-Ion Storage Characteristics of Rod-Like Morphology Fe <sub>3</sub> O <sub>4</sub> ·0.33H <sub>2</sub> O. Small, 2022, 18, e2105193.	10.0	10
31	The preparation and performances of lithium sulfide (Li <sub>2</sub> S)-oriented cathode composite via carbothermic reduction. Journal of Alloys and Compounds, 2020, 835, 155421.	5.5	9
32	Hollow urchin-like Al-doped $\gamma$ -MnO <sub>2</sub> ·x as advanced sulfur host for high-performance lithium-sulfur batteries. Materials Letters, 2021, 285, 129135.	2.6	9
33	Atomically Dispersed and O, N-Coordinated Mn-Based Catalyst for Promoting the Conversion of Polysulfides in Li <sub>2</sub> S-Based Li <sup>+</sup> S Battery. ACS Applied Materials & Interfaces, 2021, 13, 54113-54123.	8.0	9
34	Enhancing Reaction Kinetics of Sulfur-Containing Species in Li-S Batteries by Quantum Dot-Level Tin Oxide Hydroxide Catalysts. ACS Applied Energy Materials, 2021, 4, 4935-4944.	5.1	6
35	Titanium Glycolate Nanorods with Unsaturated Sites as Multifunctional Layers for Advanced Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2021, 4, 3670-3680.	5.1	5
36	Core-Shell Structure S@PPy/CB with High Electroconductibility to Effective Confinement Polysulfide Shuttle Effect for Advanced Lithium-Sulfur Batteries. Energy & Fuels, 2021, 35, 10181-10189.	5.1	5