

Manfang Chen

List of Publications by Year in descending order

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36
papers

1,587
citations

361413

20
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating anion defects on hollow $\text{Co}_x\text{Ni}_{1-x}\text{O}$ concave with dual binding sites as high-efficiency sulfur reduction reaction catalyst. <i>Chemical Engineering Journal</i> , 2022, 427, 132024.	12.7	13
2	Unveiling the Role and Mechanism of Nb Doping and In Situ Carbon Coating on Improving Lithium-Ion Storage Characteristics of Rod-Like Morphology $\text{FeF}_3 \cdot 0.33\text{H}_2\text{O}$. <i>Small</i> , 2022, 18, e2105193.	10.0	10
3	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
4	Engineering a TiNb_2O_7 -Based Electrocatalyst on a Flexible Self-Supporting Sulfur Cathode for Promoting Li-S Battery Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1157-1168.	8.0	12
5	ZnFe_2O_4 "Ni ₅ P ₄ Mott" Schottky Heterojunctions to Promote Kinetics for Advanced Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23546-23557.	8.0	53
6	High-density/efficient surface active sites on modified separators to boost Li-S batteries via atomic Co^{3+} -Se termination. <i>Nano Research</i> , 2022, 15, 7199-7208.	10.4	18
7	Hollow urchin-like Al-doped MnO_2 as advanced sulfur host for high-performance lithium-sulfur batteries. <i>Materials Letters</i> , 2021, 285, 129135.	2.6	9
8	Titanium Glycolate Nanorods with Unsaturated Sites as Multifunctional Layers for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3670-3680.	5.1	5
9	Enhancing Reaction Kinetics of Sulfur-Containing Species in Li-S Batteries by Quantum Dot-Level Tin Oxide Hydroxide Catalysts. <i>ACS Applied Energy Materials</i> , 2021, 4, 4935-4944.	5.1	6
10	NiMoO_4 Nanosheets Anchored on Ni_3S_2 Doped Carbon Clothes with Hierarchical Structure as a Bidirectional Catalyst toward Accelerating Polysulfides Conversion for Li-S Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2101285.	14.9	119
11	Core-Shell Structure $\text{S}@PPy/\text{CB}$ with High Electroconductibility to Effective Confinement Polysulfide Shuttle Effect for Advanced Lithium-Sulfur Batteries. <i>Energy & Fuels</i> , 2021, 35, 10181-10189.	5.1	5
12	Li_2S In Situ Grown on Three-Dimensional Porous Carbon Architecture with Electron/Ion Channels and Dual Active Sites as Cathodes of Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32968-32977.	8.0	11
13	Double bond effects induced by iron selenide as immobilized homogenous catalyst for efficient polysulfides capture. <i>Chemical Engineering Journal</i> , 2021, 421, 129770.	12.7	18
14	A heterogeneous FeP-CoP electrocatalyst for expediting sulfur redox in high-specific-energy lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2021, 397, 139275.	5.2	17
15	Multiple roles of titanium carbide in performance boosting: Mediator, anchor and electrocatalyst for polysulfides redox regulation. <i>Chemical Engineering Journal</i> , 2021, 426, 130744.	12.7	11
16	Atomically Dispersed and O, N-Coordinated Mn-Based Catalyst for Promoting the Conversion of Polysulfides in Li_2S -Based Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54113-54123.	8.0	9
17	Kinetically elevated redox conversion of polysulfides of lithium-sulfur battery using a separator modified with transition metals coordinated $\text{g-C}_3\text{N}_4$ with carbon-conjugated. <i>Chemical Engineering Journal</i> , 2020, 385, 123905.	12.7	93
18	Porous NiCo_2S_4 Nanoneedle Arrays with Highly Efficient Electrocatalysis Anchored on Carbon Cloths as Self-Supported Hosts for High-Loading Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57975-57986.	8.0	25

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19	The preparation and performances of lithium sulfide (Li ₂ S)-oriented cathode composite via carbothermic reduction. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155421.	5.5	9
20	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
21	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
22	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
23	Carbon-Coated Yttria Hollow Spheres as Both Sulfur Immobilizer and Catalyst of Polysulfides Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42104-42113.	8.0	45
24	Architecture and Performance of the Novel Sulfur Host Material Based on Ti ₂ O ₃ Microspheres for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22439-22448.	8.0	54
25	Perovskite-type La _{0.56} Li _{0.33} Ti ₃ 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
26	Intertwined Nitrogen-Doped Carbon Nanotube Microsphere as Polysulfide Grappler for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019, 6, 1466-1474.	3.4	10
27	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
28	Synergetic Effects of Multifunctional Composites with More Efficient Polysulfide Immobilization and Ultrahigh Sulfur Content in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13562-13572.	8.0	40
29	MnO ₂ 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
30	MoS ₂ -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
31	Multifunctional Heterostructures for Polysulfide Suppression in High-Performance Lithium-Sulfur Cathode. <i>Small</i> , 2018, 14, e1803134.	10.0	77
32	Manganese Dioxide/Ant-Nest-Like Hierarchical Porous Carbon Composite with Robust Supercapacitive Performances. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7362-7371.	6.7	17
33	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
34	Photovoltaic Monocrystalline Silicon Waste-Derived Hierarchical Silicon/Flake Graphite/Carbon Composite as Low-Cost and High-Capacity Anode for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2017, 2, 3479-3489.	1.5	22
35	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
36	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