

Duo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,722
citations

394421

19
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1958
citing authors

#	ARTICLE	IF	CITATIONS
1	The origin of capacity fluctuation and rescue of dead Mn-based Zn-ion batteries: a Mn-based competitive capacity evolution protocol. <i>Energy and Environmental Science</i> , 2022, 15, 1106-1118.	30.8	124
2	Recent advances in energy storage mechanism of aqueous zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 54, 712-726.	12.9	211
3	Uncover the mystery of high-performance aqueous zinc-ion batteries constructed by oxygen-doped vanadium nitride cathode: Cationic conversion reaction works. <i>Energy Storage Materials</i> , 2021, 35, 679-686.	18.0	63
4	Boosting alkaline hydrogen evolution performance of Co ₄ N porous nanowires by interface engineering of CeO ₂ tuning. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1655-1662.	10.3	37
5	Coupling NiFe-MOF nanosheets with Ni ₃ N microsheet arrays for efficient electrocatalytic water oxidation. <i>New Journal of Chemistry</i> , 2021, 45, 19646-19650.	2.8	7
6	Ni _x Fe _y N@C microsheet arrays on Ni foam as an efficient and durable electrocatalyst for electrolytic splitting of alkaline seawater. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13562-13569.	10.3	54
7	Highly conductive Co ₃ Se ₄ embedded in N-doped 3D interconnected carbonaceous network for enhanced lithium and sodium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 630-639.	9.4	27
8	High-mass loading V ₃ O ₇ ·H ₂ O nanoarray for Zn-ion battery: New synthesis and two-stage ion intercalation chemistry. <i>Nano Energy</i> , 2021, 83, 105835.	16.0	100
9	MOF-derived nitrogen-doped CoO@CoP arrays as bifunctional electrocatalysts for efficient overall water splitting. <i>Electrochimica Acta</i> , 2020, 330, 135210.	5.2	64
10	Efficient and rapid removal of Pb ²⁺ from water by magnetic Fe ₃ O ₄ @MnO ₂ core-shell nanoflower attached to carbon microtube: Adsorption behavior and process study. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 218-228.	9.4	53
11	Rational design of NiFe LDH@Ni ₃ N nano/microsheet arrays as a bifunctional electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17202-17211.	10.3	89
12	Lithium-Sulfur Batteries: Ultrafine Co ₃ Se ₄ Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries (Adv. Energy Mater. 19/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070088.	19.5	4
13	Hierarchical nickel cobalt sulfide nanosheet arrays supported on CuO/Cu hybrid foams as a rationally designed core-shell dendrite electrocatalyst for an efficient oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4039-4045.	4.9	11
14	Ultrafine Co ₃ Se ₄ Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1904273.	19.5	141
15	3D Chemical Cross-Linking Structure of Black Phosphorus@CNTs Hybrid as a Promising Anode Material for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1909372.	14.9	92
16	Printable Ta Substrate with High Stability and Enhanced Interface Adhesion for Flexible Supercapacitor Performance Improvement. <i>Advanced Materials Technologies</i> , 2019, 4, 1900338.	5.8	5
17	A Highly Conductive MOF of Graphene Analogue Ni ₃ (HITP) ₂ as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902605.	10.0	136
18	Lithium-Sulfur Batteries: A Highly Conductive MOF of Graphene Analogue Ni ₃ (HITP) ₂ as a Sulfur Host for High-Performance Lithium-Sulfur Batteries (Small 44/2019). <i>Small</i> , 2019, 15, 1970240.	10.0	7

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19	Hierarchical core-shell structural NiMoO ₄ @NiS ₂ /MoS ₂ nanowires fabricated <i>via</i> an <i>in situ</i> sulfurization method for high performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21759-21765.	10.3	125
20	Self-assembled CdS quantum dots in carbon nanotubes: induced polysulfide trapping and redox kinetics enhancement for improved lithium-sulfur battery performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 806-815.	10.3	72
21	Highly efficient removal of Pb ²⁺ by a sandwich structure of metal-organic framework/GO composite with enhanced stability. <i>New Journal of Chemistry</i> , 2019, 43, 1032-1037.	2.8	55
22	Mn-Doped Ni/Co LDH Nanosheets Grown on the Natural N-Dispersed PANI-Derived Porous Carbon Template for a Flexible Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10699-10707.	6.7	113
23	Facile Synthesis of Hierarchical Tin Oxide Nanoflowers with Ultra-High Methanol Gas Sensing at Low Working Temperature. <i>Nanoscale Research Letters</i> , 2019, 14, 84.	5.7	19
24	Core-shell structural PANI-derived carbon@Co-Ni LDH electrode for high-performance asymmetric supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1350-1355.	4.9	64
25	Self-assembly of biomass microfibers into 3D layer-stacking hierarchical porous carbon for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 286, 264-270.	5.2	47