

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	Recent advances in energy storage mechanism of aqueous zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 54, 712-726.	12.9	211
2	Ultrafine Co_3Se_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
3	A Highly Conductive MOF of Graphene Analogue $\text{Ni}_3(\text{HITP})_2$ as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902605.	10.0	136
4	Hierarchical core-shell structural $\text{NiMoO}_4@ \text{NiS}_2/\text{MoS}_2$ nanowires fabricated via an in situ sulfurization method for high performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21759-21765.	10.3	125
5	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
6	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
7	High-mass loading $\text{V}_3\text{O}_7 \cdot \text{H}_2\text{O}$ nanoarray for Zn-ion battery: New synthesis and two-stage ion intercalation chemistry. <i>Nano Energy</i> , 2021, 83, 105835.	16.0	100
8	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
9	Rational design of NiFe LDH@ Ni_3N 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
10	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
11	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
12	MOF-derived nitrogen-doped $\text{CoO}@ \text{CoP}$ arrays as bifunctional electrocatalysts for efficient overall water splitting. <i>Electrochimica Acta</i> , 2020, 330, 135210.	5.2	64
13	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
14	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
15	$\text{Ni}_x\text{Fe}_y\text{N}@ \text{C}$ 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
16	Efficient and rapid removal of Pb^{2+} from water by magnetic $\text{Fe}_3\text{O}_4@ \text{MnO}_2$ 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
17	Self-assembly of biomass microfibrils into 3D layer-stacking hierarchical porous carbon for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 286, 264-270.	5.2	47
18	Boosting alkaline hydrogen evolution performance of Co_4N porous nanowires by interface engineering of CeO_2 tuning. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1655-1662.	10.3	37

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19	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
20	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
21	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
22	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
23	Coupling NiFe-MOF nanosheets with Ni ₃ N microsheets for efficient electrocatalytic water oxidation. <i>New Journal of Chemistry</i> , 2021, 45, 19646-19650.	2.8	7
24	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
25	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