

Chuang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8157991/publications.pdf>

Version: 2024-02-01

18
papers

530
citations

686830

13
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene-supported Co ₃ O ₄ quantum dots for superior lithium storage and oxygen evolution activities. <i>Chemical Communications</i> , 2019, 55, 1237-1240.	2.2	94
2	Efficient polysulfides anchoring for Li-S batteries: Combined physical adsorption and chemical conversion in V ₂ O ₅ hollow spheres wrapped in nitrogen-doped graphene network. <i>Chemical Engineering Journal</i> , 2019, 378, 122189.	6.6	57
3	Rational design of MXene@TiO ₂ nanoarray enabling dual lithium polysulfide chemisorption towards high-performance lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 16678-16684.	2.8	55
4	Thin-carbon-layer-enveloped cobalt-iron oxide nanocages as a high-efficiency sulfur container for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20604-20611.	5.2	42
5	Synergistically Coupling Black Phosphorus Quantum Dots with MnO ₂ Nanosheets for Efficient Electrochemical Nitrogen Reduction Under Ambient Conditions. <i>Small</i> , 2020, 16, e1907091.	5.2	42
6	Modulating CoFe ₂ O ₄ nanocube with oxygen vacancy and carbon wrapper towards enhanced electrocatalytic nitrogen reduction to ammonia. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120452.	10.8	42
7	V ₂ O ₅ nanoparticles confined in Three-dimensionally organized, porous Nitrogen-Doped graphene frameworks: Flexible and Free-standing cathodes for high performance lithium storage. <i>Carbon</i> , 2018, 140, 218-226.	5.4	27
8	Stable anchoring and uniform distribution of SiO ₂ nanotubes on reduced graphene oxide through electrostatic self-assembly for ultra-high lithium storage performance. <i>Carbon</i> , 2020, 167, 835-842.	5.4	27
9	Integrating Co ₃ O ₄ nanoparticles with MnO ₂ nanosheets as bifunctional electrocatalysts for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10356-10365.	3.8	26
10	Novel confinement of Mn ₃ O ₄ nanoparticles on two-dimensional carbide enabling high-performance electrochemical synthesis of ammonia under ambient conditions. <i>Chemical Engineering Journal</i> , 2020, 396, 125163.	6.6	24
11	A general way to fabricate transition metal dichalcogenide/oxide-sandwiched MXene nanosheets as flexible film anodes for high-performance lithium storage. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2577-2582.	2.5	20
12	Multi-dimensionally hierarchical self-supported Cu@Cu ₂ O@Co ₃ O ₄ heterostructure enabling superior lithium-ion storage and electrocatalytic oxygen evolution. <i>Chemical Engineering Journal</i> , 2021, 405, 126699.	6.6	20
13	Cobalt-iron oxide nanotubes decorated with polyaniline as advanced cathode hosts for Li-S batteries. <i>Electrochimica Acta</i> , 2021, 390, 138873.	2.6	16
14	Self-standing Hybrid Film of SnO ₂ Nanotubes and MXene as A High-performance Anode Material for Thin Film Lithium-ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 12099-12103.	0.7	14
15	Controllable construction of Ag/MoSe ₂ hybrid architectures for efficient hydrogen evolution and advanced lithium anode. <i>Chemical Engineering Science</i> , 2021, 233, 116404.	1.9	9
16	Cobalt-iron oxide nanoparticles anchored on carbon nanotube paper to accelerate polysulfide conversion for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164805.	2.8	7
17	Hollow C@TiO ₂ array nanospheres as efficient sulfur hosts for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5493-5497.	2.5	5
18	A hierarchically porous TiO ₂ @C membrane with oxygen vacancies: a novel platform for enhancing the catalytic conversion of polysulfides. <i>Dalton Transactions</i> , 2022, 51, 2855-2862.	1.6	3