Chuang Wang

List of Publications by Year in Descending Order

17 papers	315 citations	10 h-index	17 g-index
18 ext. papers	437 ext. citations	9.1 avg, IF	3.98 L-index

#	Paper	IF	Citations
17	Cobalt-iron oxide nanoparticles anchored on carbon nanotube paper to accelerate polysulfide conversion for lithium-sulfur batteries. *Journal of Alloys and Compounds*, **2022**, 909, 164805	5.7	1
16	Integrating Co3O4 nanoparticles with MnO2 nanosheets as bifunctional electrocatalysts for water splitting. *International Journal of Hydrogen Energy*, **2021**, 46, 10356-10365	6.7	10
15	Controllable construction of Ag/MoSe2 hybrid architectures for efficient hydrogen evolution and advanced lithium anode. *Chemical Engineering Science*, **2021**, 233, 116404	4.4	5
14	Multi-dimensionally hierarchical self-supported Cu@Cu2+1O@Co3O4 heterostructure enabling superior lithium-ion storage and electrocatalytic oxygen evolution. *Chemical Engineering Journal*, **2021**, 405, 126699	14.7	9
13	Cobalt-iron oxide nanotubes decorated with polyaniline as advanced cathode hosts for Li-S batteries. *Electrochimica Acta*, **2021**, 390, 138873	6.7	3
12	Modulating CoFe2O4 nanocube with oxygen vacancy and carbon wrapper towards enhanced electrocatalytic nitrogen reduction to ammonia. *Applied Catalysis B: Environmental*, **2021**, 297, 120452	21.8	14
11	Stable anchoring and uniform distribution of SiO2 nanotubes on reduced graphene oxide through electrostatic self-assembly for ultra-high lithium storage performance. *Carbon*, **2020**, 167, 835-842	10.4	20
10	Novel confinement of Mn3O4 nanoparticles on two-dimensional carbide enabling high-performance electrochemical synthesis of ammonia under ambient conditions. *Chemical Engineering Journal*, **2020**, 396, 125163	14.7	17
9	Rational design of MXene@TiO nanoarray enabling dual lithium polysulfide chemisorption towards high-performance lithium-sulfur batteries. *Nanoscale*, **2020**, 12, 16678-16684	7.7	33
8	Hollow C@TiO2 array nanospheres as efficient sulfur hosts for lithium–sulfur batteries. *Sustainable Energy and Fuels*, **2020**, 4, 5493-5497	5.8	2
7	Thin-carbon-layer-enveloped cobalt–iron oxide nanocages as a high-efficiency sulfur container for Li–S batteries. *Journal of Materials Chemistry A*, **2020**, 8, 20604-20611	13	16
6	Synergistically Coupling Black Phosphorus Quantum Dots with MnO Nanosheets for Efficient Electrochemical Nitrogen Reduction Under Ambient Conditions. *Small*, **2020**, 16, e1907091	11	25
5	A general way to fabricate transition metal dichalcogenide/oxide-sandwiched MXene nanosheets as flexible film anodes for high-performance lithium storage. *Sustainable Energy and Fuels*, **2019**, 3, 2577-2582	5.8	18
4	MXene-supported CoO quantum dots for superior lithium storage and oxygen evolution activities. *Chemical Communications*, **2019**, 55, 1237-1240	5.8	69
3	Efficient polysulfides anchoring for Li-S batteries: Combined physical adsorption and chemical conversion in V2O5 hollow spheres wrapped in nitrogen-doped graphene network. *Chemical Engineering Journal*, **2019**, 378, 122189	14.7	41
2	Self-Standing Hybrid Film of SnO2 Nanotubes and MXene as A High-Performance Anode Material for Thin Film Lithium-Ion Batteries. *ChemistrySelect*, **2019**, 4, 12099-12103	1.8	8
1	V2O5 nanoparticles confined in Three-Dimensionally organized, porous Nitrogen-Doped graphene frameworks: Flexible and Free-Standing cathodes for high performance lithium storage. *Carbon*, **2018**, 140, 218-226	10.4	24