Wenfei Wei

List of Publications by Year
in descending order

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24	652	623734	677142
papers	citations	14	22
		h-index	g-index

24	24	24	236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bi₂O₃/BiO₂ Nanoheterojunction for Highly Efficient Electrocatalytic CO₂ Reduction to Formate. Nano Letters, 2022, 22, 1656-1664.	9.1	72
2	Unlocking bimetallic active sites via a desalination strategy for photocatalytic reduction of atmospheric carbon dioxide. Nature Communications, 2022, 13, 2146.	12.8	60
3	Nano-ordered structure regulation in delithiated Si anode triggered by homogeneous and stable Li-ion diffusion at the interface. Nano Energy, 2020, 72, 104651.	16.0	53
4	Recycling spent water treatment adsorbents for efficient electrocatalytic water oxidation reaction. Resources, Conservation and Recycling, 2022, 178, 106037.	10.8	48
5	Synergistic recycling and conversion of spent Li-ion battery leachate into highly efficient oxygen evolution catalysts. Green Chemistry, 2021, 23, 6538-6547.	9.0	42
6	Converting loess into zeolite for heavy metal polluted soil remediation based on â€œsoil for soil-remediationâ€•strategy. Journal of Hazardous Materials, 2021, 412, 125199.	12.4	42
7	Enhanced Cr(VI) reduction on natural chalcopyrite mineral modulated by degradation intermediates of RhB. Journal of Hazardous Materials, 2022, 423, 127206.	12.4	34
8	High-efficiency core-shell magnetic heavy-metal absorbents derived from spent-LiFePO4 Battery. Journal of Hazardous Materials, 2021, 402, 123583.	12.4	32
9	Integrating electrodeposition with electrolysis for closed-loop resource utilization of battery industrial wastewater. Green Chemistry, 2022, 24, 3208-3217.	9.0	32
10	Integrating high-efficiency oxygen evolution catalysts featuring accelerated surface reconstruction from waste printed circuit boards via a boriding recycling strategy. Applied Catalysis B: Environmental, 2021, 298, 120583.	20.2	31
11	Protonation stabilized high As/F mobility red mud for Pb/As polluted soil remediation. Journal of Hazardous Materials, 2021, 404, 124143.	12.4	30
12	Transferring waste red mud into ferric oxide decorated ANA-type zeolite for multiple heavy metals polluted soil remediation. Journal of Hazardous Materials, 2022, 424, 127244.	12.4	28
13	Electrochemical Driven Phase Segregation Enabled Dual-Ion Removal Battery Deionization Electrode. Nano Letters, 2021, 21, 4830-4837.	9.1	27
14	Modular design of an efficient heterostructured FeS₂/TiO₂ oxygen evolution electrocatalyst via sulfidation of natural ilmenites. Journal of Materials Chemistry A, 2021, 9, 25032-25041.	10.3	26
15	Plastic wastes derived carbon materials for green energy and sustainable environmental applications. , 2022, 1, 34-48.		17
16	A highly efficient porous conductive polymer electrode for seawater desalination. Journal of Materials Chemistry A, 2020, 8, 11811-11817.	10.3	14
17	Dual-anion etching induced in situ interfacial engineering for high-efficiency oxygen evolution. Chemical Engineering Journal, 2022, 431, 134304.	12.7	14
18	Converting Spent LiFePO₄ Battery into Zeolitic Phosphate for Highly Efficient Heavy Metal Adsorption. Inorganic Chemistry, 2021, 60, 9496-9503.	4.0	12

#	Article	IF	Citations
19	Remediation of Cu-polluted soil with analcime synthesized from engineering abandoned soils through green chemistry approaches. Journal of Hazardous Materials, 2021, 406, 124673.	12.4	11
20	Dual Ions Neutralized and Stabilized Red Mud for Chromium(VI) Polluted Soil Remediation. ACS ES&T Engineering, 2022, 2, 913-923.	7.6	8
21	Molecular Dynamics Beyond the Monolayer Adsorption as Derived from Langmuir Curve Fitting. Inorganic Chemistry, 2022, 61, 7804-7812.	4.0	6
22	Optimizing the particle-size distribution and tap density of LiFePO4/C composites containing excess lithium. Ionics, 2019, 25, 2035-2039.	2.4	5
23	Salt Concentration-Regulated Desalination Mechanism Evolution in Battery Deionization for Freshwater. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	5
24	P2-type Fe and Mn-based Na0.67Ni0.15Fe0.35Mn0.3Ti0.2O2 as cathode material with high energy density and structural stability for sodium-ion batteries. Journal of Materials Science: Materials in Electronics, 2020, 31, 9423-9429.	2.2	3