

# Wenfei Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

652  
citations

623734

14  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transferring waste red mud into ferric oxide decorated ANA-type zeolite for multiple heavy metals polluted soil remediation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127244.	12.4	28
2	Enhanced Cr(VI) reduction on natural chalcopyrite mineral modulated by degradation intermediates of RhB. <i>Journal of Hazardous Materials</i> , 2022, 423, 127206.	12.4	34
3	Recycling spent water treatment adsorbents for efficient electrocatalytic water oxidation reaction. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106037.	10.8	48
4	Dual-anion etching induced in situ interfacial engineering for high-efficiency oxygen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 134304.	12.7	14
5	Bi <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> Nanoheterojunction for Highly Efficient Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Nano Letters</i> , 2022, 22, 1656-1664.	9.1	72
6	Dual Ions Neutralized and Stabilized Red Mud for Chromium(VI) Polluted Soil Remediation. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 913-923.	7.6	8
7	Integrating electrodeposition with electrolysis for closed-loop resource utilization of battery industrial wastewater. <i>Green Chemistry</i> , 2022, 24, 3208-3217.	9.0	32
8	Unlocking bimetallic active sites via a desalination strategy for photocatalytic reduction of atmospheric carbon dioxide. <i>Nature Communications</i> , 2022, 13, 2146.	12.8	60
9	Molecular Dynamics Beyond the Monolayer Adsorption as Derived from Langmuir Curve Fitting. <i>Inorganic Chemistry</i> , 2022, 61, 7804-7812.	4.0	6
10	Plastic wastes derived carbon materials for green energy and sustainable environmental applications. <i>Journal of Hazardous Materials</i> , 2022, 1, 34-48.		17
11	High-efficiency core-shell magnetic heavy-metal adsorbents derived from spent-LiFePO <sub>4</sub> Battery. <i>Journal of Hazardous Materials</i> , 2021, 402, 123583.	12.4	32
12	Protonation stabilized high As/F mobility red mud for Pb/As polluted soil remediation. <i>Journal of Hazardous Materials</i> , 2021, 404, 124143.	12.4	30
13	Synergistic recycling and conversion of spent Li-ion battery leachate into highly efficient oxygen evolution catalysts. <i>Green Chemistry</i> , 2021, 23, 6538-6547.	9.0	42
14	Remediation of Cu-polluted soil with analcime synthesized from engineering abandoned soils through green chemistry approaches. <i>Journal of Hazardous Materials</i> , 2021, 406, 124673.	12.4	11
15	Electrochemical Driven Phase Segregation Enabled Dual-Ion Removal Battery Deionization Electrode. <i>Nano Letters</i> , 2021, 21, 4830-4837.	9.1	27
16	Converting Spent LiFePO <sub>4</sub> Battery into Zeolitic Phosphate for Highly Efficient Heavy Metal Adsorption. <i>Inorganic Chemistry</i> , 2021, 60, 9496-9503.	4.0	12
17	Converting loess into zeolite for heavy metal polluted soil remediation based on "soil for soil-remediation" strategy. <i>Journal of Hazardous Materials</i> , 2021, 412, 125199.	12.4	42
18	Integrating high-efficiency oxygen evolution catalysts featuring accelerated surface reconstruction from waste printed circuit boards via a boriding recycling strategy. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120583.	20.2	31

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19	Modular design of an efficient heterostructured FeS <sub>2</sub> /TiO <sub>2</sub> oxygen evolution electrocatalyst <i>via</i> sulfidation of natural ilmenites. Journal of Materials Chemistry A, 2021, 9, 25032-25041.	10.3	26
20	A highly efficient porous conductive polymer electrode for seawater desalination. Journal of Materials Chemistry A, 2020, 8, 11811-11817.	10.3	14
21	P2-type Fe and Mn-based Na <sub>0.67</sub> Ni <sub>0.15</sub> Fe <sub>0.35</sub> Mn <sub>0.3</sub> Ti <sub>0.2</sub> O <sub>2</sub> 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
22	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
23	Optimizing the particle-size distribution and tap density of LiFePO <sub>4</sub> /C composites containing excess lithium. Ionics, 2019, 25, 2035-2039.	2.4	5
24	Salt Concentration-Regulated Desalination Mechanism Evolution in Battery Deionization for Freshwater. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	5