

We used entropy engineering to design a series of CoFe₂O₄-type spinels. Through microstructural characterization, electrochemical measurements, and X-ray photoelectron spectroscopy, we ...

Efficient oxygen evolution reaction catalysts based on earth-abundant and low-cost elements are urgently required for water splitting devices and metal-air batteries. Herein, for the first time we report ...

Surface reconstruction induced in-situ phosphorus doping in nickel oxides for enhanced oxygen evolution reaction Citing article Jan 2021 Weiji Dai Xiaowan Bai Yin"an Zhu Yue Zhang Jinlan Wang ...

In today's dynamic energy landscape, harnessing sustainable power sources has become more critical than ever. Among the innovative solutions paving the way forward, solar energy ...

Through microstructural characterization, electrochemical measurements, and X-ray photoelectron spectroscopy, we demonstrated that the entropy-stabilized oxide (Co_{0.2} Mn_{0.2} Ni_{0.2} ...

Ph.D. Dept of Materials Science and Engineering, University of Maryland - Cited by 38,350 - Nanotechnology - Solid-State Energy Storage - High Voltage Cathodes - Wood Cellulose - Scientific ...

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