**Water Splitting (2022-2024)**

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1. **Exploration of the Existence Forms and Patterns of Dissolved Oxygen Molecules in Water (Article)**

Hewei Yuan, Yaozhong Zhang, Xiaolu Huang, Xiwu Zhang, Jinjin Li, Yufeng Huang, Kun Li, Haotian Weng, Yang Xu & Yafei Zhang

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1. **Durable Ru Nanocrystal with HfO2 Modification for Acidic Overall Water Splitting (Article)**

Xiangkai Kong, Jie Xu, Zhicheng Ju & Changle Chen

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1. **Internal Polarization Field Induced Hydroxyl Spillover Effect for Industrial Water Splitting Electrolyzers (Article)**

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1. **Heteroatom-Induced Accelerated Kinetics on Nickel Selenide for Highly Efficient Hydrazine-Assisted Water Splitting and Zn-Hydrazine Battery (Article)**

Hao-Yu Wang, Lei Wang, Jin-Tao Ren, Wen-Wen Tian, Ming-Lei Sun & Zhong-Yong Yuan

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1. **PtNi-W/C with Atomically Dispersed Tungsten Sites Toward Boosted ORR in Proton Exchange Membrane Fuel Cell Devices (Article)**

Huawei Wang, Jialong Gao, Changli Chen, Wei Zhao, Zihou Zhang, Dong Li, Ying Chen, Chenyue Wang, Cheng Zhu, Xiaoxing Ke, Jiajing Pei, Juncai Dong, Qi Chen, Haibo Jin, Maorong Chai & Yujing Li

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1. **Duplex Interpenetrating-Phase FeNiZn and FeNi3 Heterostructure with Low-Gibbs Free Energy Interface Coupling for Highly Efficient Overall Water Splitting (Article)**

Qiuxia Zhou, Caixia Xu, Jiagang Hou, Wenqing Ma, Tianzhen Jian, Shishen Yan & Hong Liu

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1. **Recent Advances of Transition Metal Basic Salts for Electrocatalytic Oxygen Evolution Reaction and Overall Water Electrolysis (Review)**

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1. **Etching-Induced Surface Reconstruction of NiMoO4 for Oxygen Evolution Reaction (Article)**

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1. **Waste-Derived Catalysts for Water Electrolysis: Circular Economy-Driven Sustainable Green Hydrogen Energy (Review)**

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1. **Electron-Deficient Zn-N6 Configuration Enabling Polymeric Carbon Nitride for Visible-Light Photocatalytic Overall Water Splitting (Article)**

Daming Zhao, Yiqing Wang, Chung-Li Dong, Fanqi Meng, Yu-Cheng Huang, Qinghua Zhang, Lin Gu, Lan Liu & Shaohua Shen

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1. **Nanocrystalline Iron Pyrophosphate-Regulated Amorphous Phosphate Overlayer for Enhancing Solar Water Oxidation (Article)**

Chengkai Xia, Yuankai Li, Minyeong Je, Jaekyum Kim, Sung Min Cho, Chang Hyuck Choi, Heechae Choi, Tae-Hoon Kim & Jung Kyu Kim

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1. **Electric-Field-Treated Ni/Co3O4 Film as High-Performance Bifunctional Electrocatalysts for Efficient Overall Water Splitting (Article)**

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1. **Shining Light on Anion-Mixed Nanocatalysts for Efficient Water Electrolysis: Fundamentals, Progress, and Perspectives (Review)**

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