Sustainable Energy & Fuels

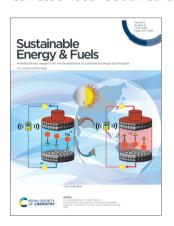
Interdisciplinary research for the development of sustainable energy technologies

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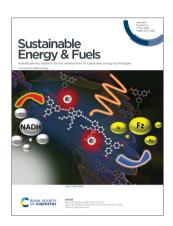
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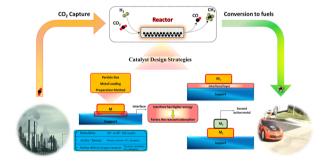
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Amisha Beniwal, Ashima Bagaria, Tsan-Yao Chen* and Dinesh Bhalothia*

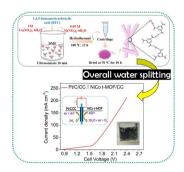


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A ligand-specific bimetallic electrocatalyst for efficient oxygen evolution reaction at higher current density

Varsha K., Kiran G. K., Sutar Rani Ananda, Lokesh Koodlur Sannegowda* and Shambhulinga Aralekallu*







Environmental Science: Atmospheres

Connecting communities and inspiring new ideas

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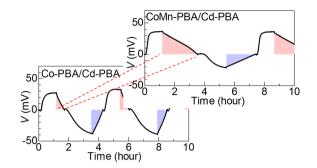
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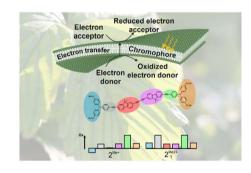
Yuuki Sakamoto and Yutaka Moritomo*



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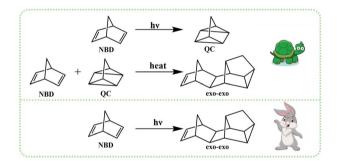
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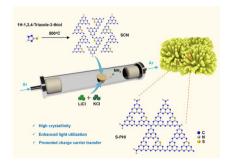
Pei Li, Ruichen Liu, Cong Li, Li Wang, Xiangwen Zhang and Guozhu Li*



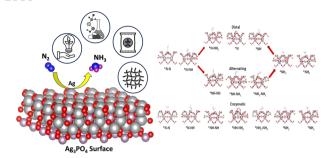
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Cheng Cheng, Wenze Luo, Binjiang Zhai, Li Tian, Jinwen Shi, Zhifu Zhou, Fei Chen* and Xiangjiu Guan*



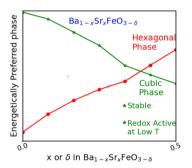
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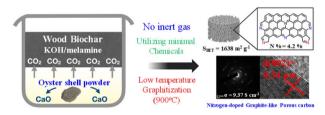
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Shree Ram Acharya,* Eric J. Popczun, Hari P. Paudel, Sittichai Natesakhawat, Jonathan W. Lekse and Yuhua Duan



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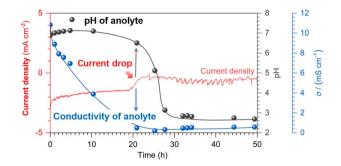
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Cation transport phenomena during CO₂ electroreduction in an H-type cell with a Nafion membrane

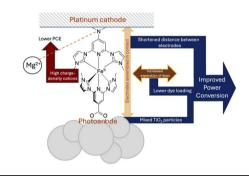
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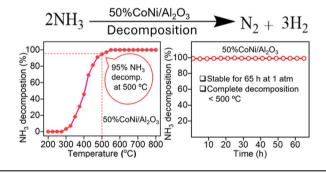
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Alumina-supported bimetallic catalysts with ruthenium and CoNi for enhanced ammonia decomposition

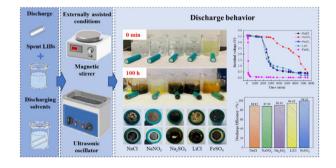
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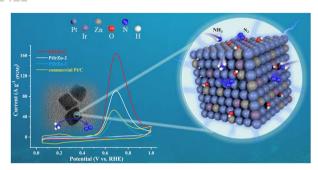
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Qiao Yu and Rao Zhonghao*



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Zilan Jiang, Sibin Zhu, Xufeng Tang, Haibo Tang, Xiaoming Zhu, Lun Yu, Letian Li, Yadong Wang, Haolin Tang* and Xiaoling Liu*

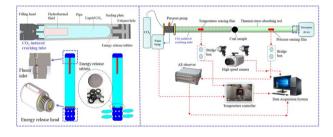
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Energy-environmental analysis of an H2PEM power station assisted by a dynamic simulation tool

Orlando Corigliano* and Petronilla Fragiacomo

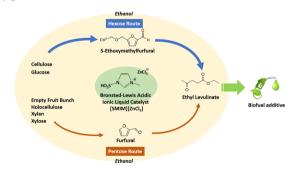
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Fracture mechanism and multi-field interaction effects of supercritical CO₂-water-coal rock coupling

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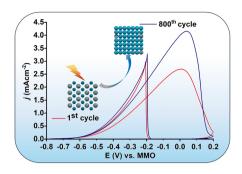
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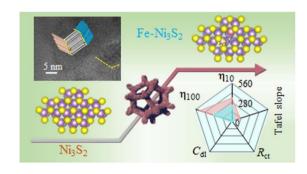
In Situ metal exsolution induced structural transformation enhances activity of the Pd-Sn catalyst for electrocatalytic ethanol oxidation

Ashly P. Chandran,* Sundar Pavan, Soumi Mondal, Mahesh B. V and Anand B



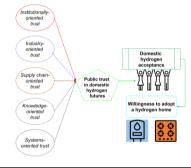
Constructing a homojunction of Fe-Ni₃S₂ as a highly efficient electrocatalyst for the oxygen evolution reaction

Mingyi Shi, Zihao Wan, Lu Liu, Xiaoguang Wang, Zizai Ma* and Jianping Du*



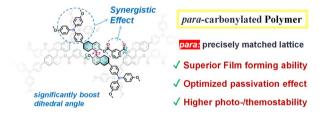
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Joel A. Gordon,* Nazmiye Balta-Ozkan, Anwar Ul Haq and Seyed Ali Nabavi

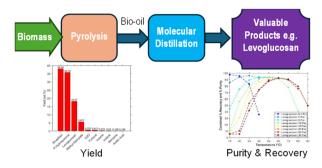


Optimized surface passivation via para-carbonylated polymers for durable MAPbl₃ perovskite solar cells

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Process simulation of the integration of molecular distillation with fast pyrolysis of biomass for sustainable fuel production

Pamela Iwube, Jun Li and Edward Brightman*