

Sustainable Energy & Fuels

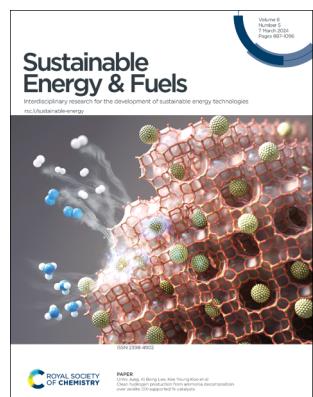
Interdisciplinary research for the development of sustainable energy technologies

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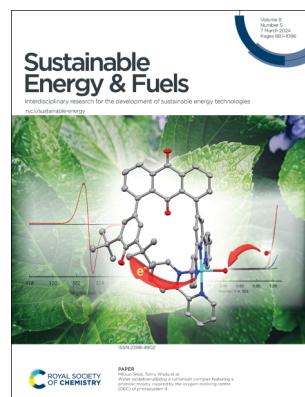
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See Unho Jung, Ki Bong Lee, Kee Young Koo et al., pp. 896–904. Image reproduced by permission of Younghée Lee.



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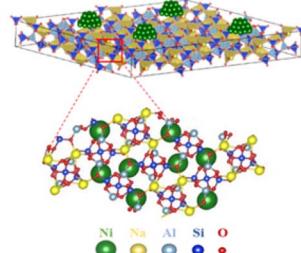
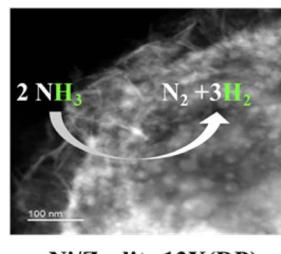
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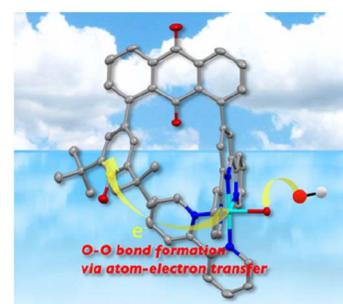
Jiyu Kim, Kyoung Deok Kim, Unho Jung,* Yongha Park, Ki Bong Lee* and Kee Young Koo*



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Water oxidation utilizing a ruthenium complex featuring a phenolic moiety inspired by the oxygen-evolving centre (OEC) of photosystem II

Yugo Kumagai, Risa Takabe, Takashi Nakazono, Mitsu Shoji,* Hiroshi Isobe, Kizashi Yamaguchi, Tomoyo Misawa-Suzuki, Hirotaka Nagao and Tohru Wada*



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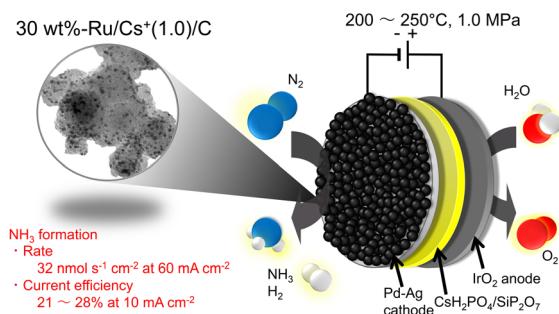
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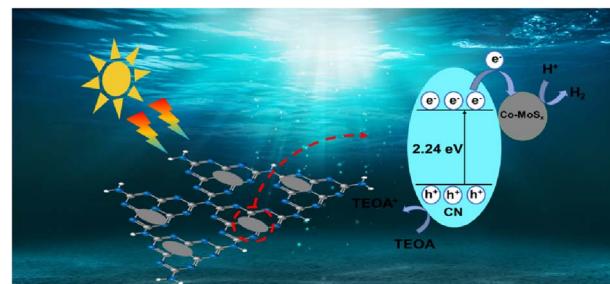
Shintaroh Nagaishi, Rika Hayashi, Aika Hirata, Raisei Sagara and Jun Kubota*



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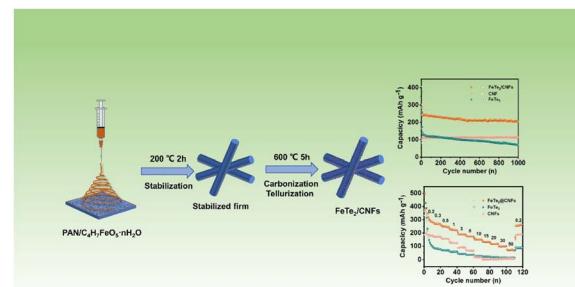
Yonggang Lei, Kim Hoong Ng, Chenyu Zou, Lejun Chen, Yuekun Lai* and Jianying Huang*



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Constructing FeTe₂ nanoparticles embedded in N-doped carbon nanofiber composites as a long-life and high-rate anode material for sodium-ion batteries

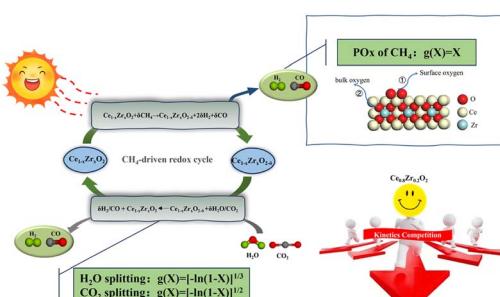
Zihua Lin, Haiyan Zhang,* Changsheng Yang, Zhenjiang Liu, Daofeng Wen, Xiang Peng, Shengkai Li and Xia Wu



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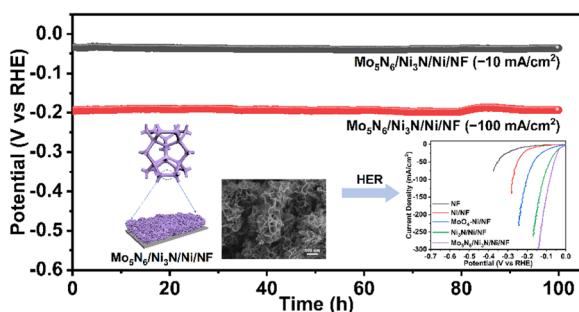
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Yanxin Liu, Shuting Cen, Changsheng Bu,* Daoyin Liu and Guilin Piao



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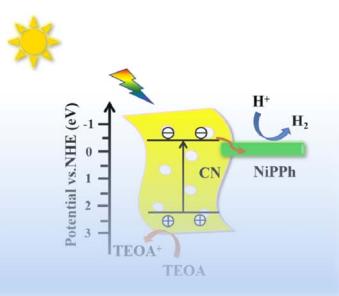
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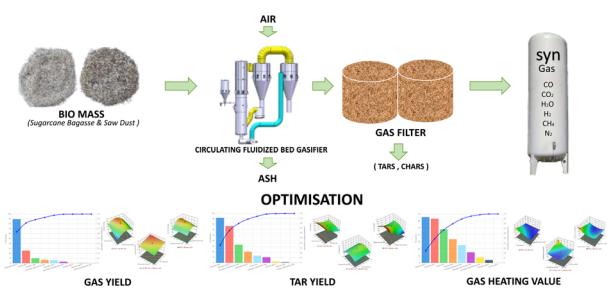
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Construction of novel 1D nickel phosphonate nanorod modified 2D $\text{g-C}_3\text{N}_4$ nanosheets for enhanced photocatalytic hydrogen evolution performance

Xin-Lian Song, Sixiang Zhai, Jin-Tao Ren, Lijiao Gao and Zhong-Yong Yuan*

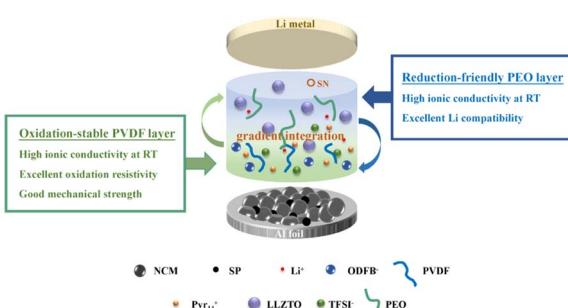
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An experimental and response-surface-based optimization approach towards production of producer gas in a circulating fluidized bed gasifier using blends of renewable fibre-based biomass mixtures

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Yan Yuan,* Xuyi Liu, Kesi Xue, Yaxin Kong, Bin Wang, Huan Liu, Cong Li, Zeyu Li, Yitian Ma and Hai Lu*

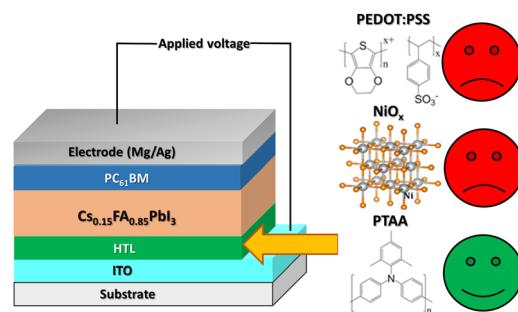


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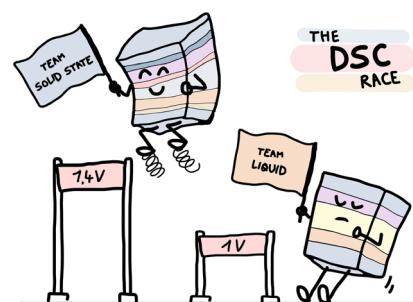
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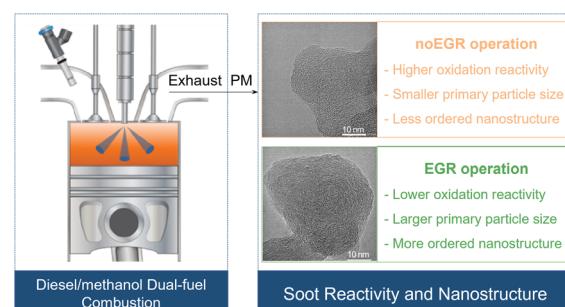
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Hao Chen, Zhenhua Ji, Xiaochen Wang,* Mingzhang Pan, Chengshan Yi and Peng Zhang



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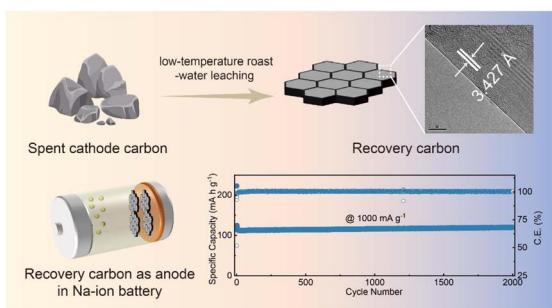
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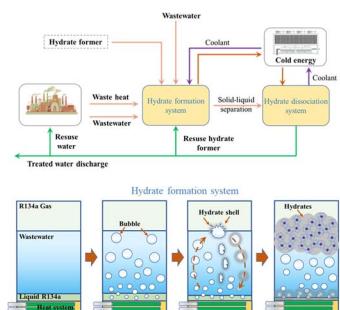
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Stable and fast Na-ion storage of recovered carbon from the spent carbon cathode of aluminum electrolysis

Yao Lu, Zhifan Hua, Chao Chen, Zibo Chen, Xinyi Li, Hailin Yu, Ke Peng* and Zhongliang Tian*

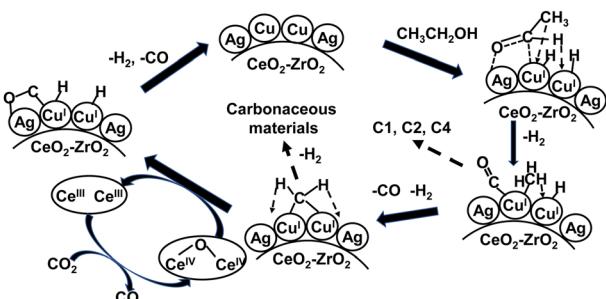
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Low-grade waste heat recovery for wastewater treatment using clathrate hydrate based technology

Lingjie Sun, Aliakbar Hassanpouryouzband,* Tian Wang, Fan Wang, Lunxiang Zhang,* Chuanxiao Cheng, Jiafei Zhao and Yongchen Song*

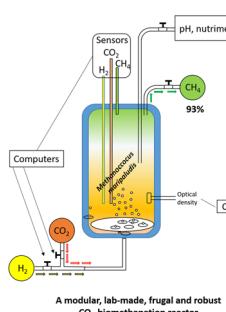
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Reforming of ethanol with carbon dioxide catalysed by silver-promoted copper-ceria-zirconia composites

Naoya Inoue, Yuuki Hatooka, Chihiro Okada, Shiori Shimidzu, Tadanori Hashimoto and Atsushi Ishihara*

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Development of a CO2-biomethanation reactor for producing methane from green H2

Grégory Cwicklinski,* Roger Miras, Julien Pérard, Clara Rinaldi, Elisabeth Darrouzet and Christine Cavazza*

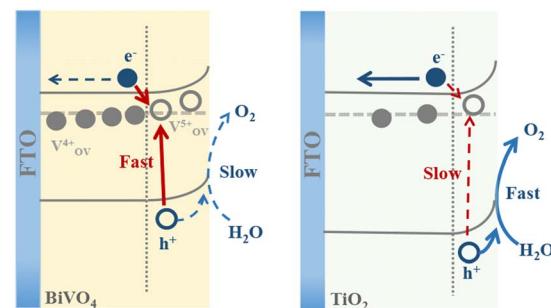


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Wenjun Zhu, Yuling Yuan and Yimeng Ma*



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High performance alkyl dialkoxyalkanoate bioderived transportation fuels accessed using a mild and scalable synthetic protocol

Nicholas R. Myllenbeck,* Eric Monroe, Mysha Sarwar, Teresa Alleman, Cameron Hays, Jon Luecke, Junqing Zhu, Charles McEnally, Lisa Pfefferle, Anthe George and Ryan W. Davis

