

# Sustainable Energy & Fuels

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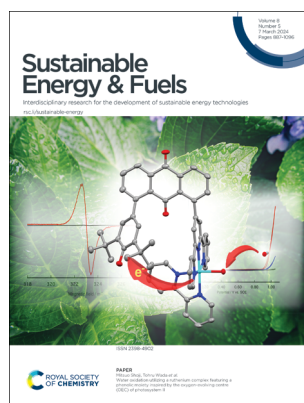
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### Cover

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



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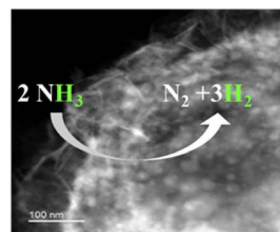
See Mitsuo Shoji, Tohru Wada *et al.*, pp. 905–913. Image reproduced by permission of Tohru Wada from *Sustainable Energy Fuels*, 2024, 8, 905.

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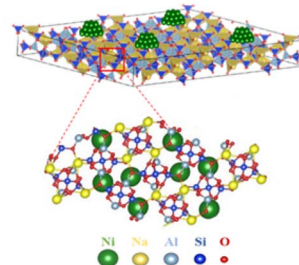
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### Clean hydrogen production from ammonia decomposition over zeolite 13X-supported Ni catalysts

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



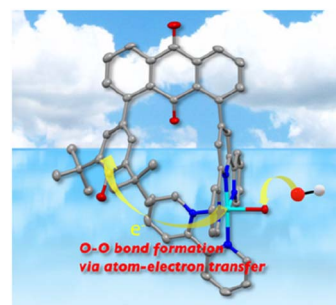
Ni/Zelite 13X(DP)



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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, Mitsuo Shoji,\* Hiroshi Isobe, Kizashi Yamaguchi, Tomoyo Misawa-Suzuki, Hirotaka Nagao and Tohru Wada\*



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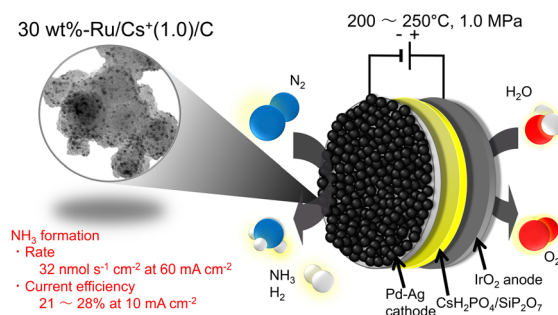


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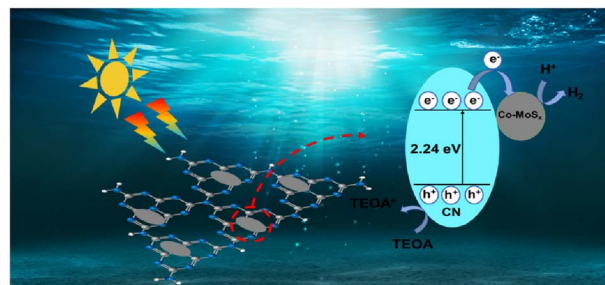
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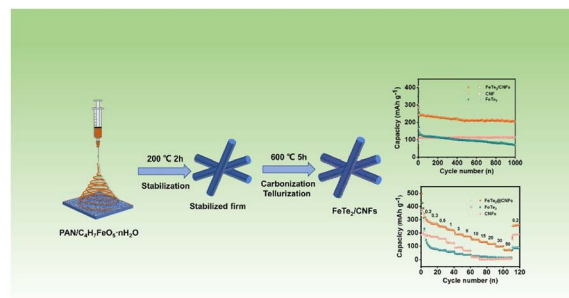
Yonggang Lei, Kim Hoong Ng, Chenyu Zou, Lejun Chen, Yuekun Lai\* and Jianying Huang\*



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### Constructing FeTe<sub>2</sub> nanoparticles embedded in N-doped carbon nanofiber composites as a long-life and high-rate anode material for sodium-ion batteries

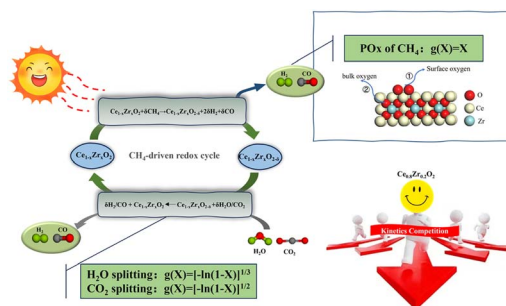
Zihua Lin, Haiyan Zhang,\* Changsheng Yang, Zhenjiang Liu, Daofeng Wen, Xiang Peng, Shengkai Li and Xia Wu



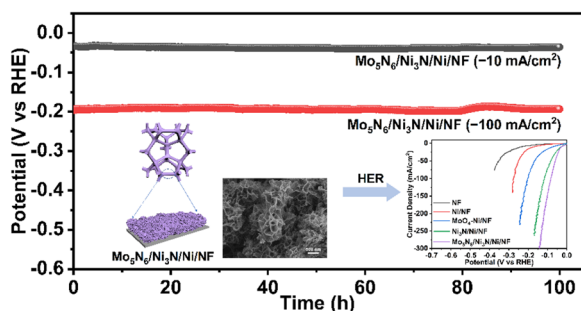
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Yanxin Liu, Shuting Cen, Changsheng Bu,\* Daoyin Liu and Guilin Piao



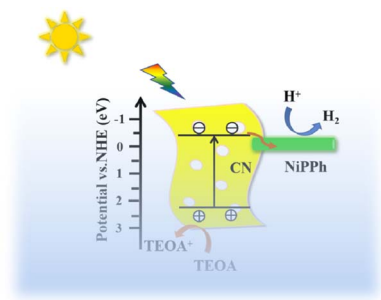
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Yang Zhou, Jing Zhou, Muzaffar Ahmad Boda, Kunfeng Zhao, Haojie Ma, Chenhao Shi, Dingwang Yuan\* and Zhiguo Yi\*

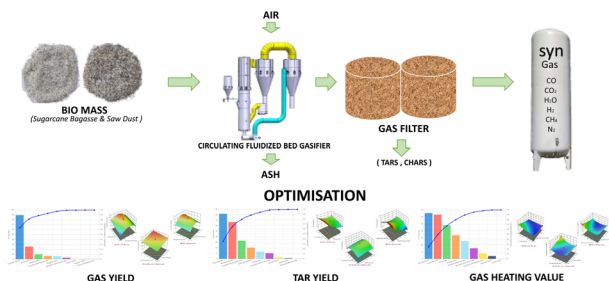
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Xin-Lian Song, Sixiang Zhai, Jin-Tao Ren, Lijiao Gao and Zhong-Yong Yuan\*

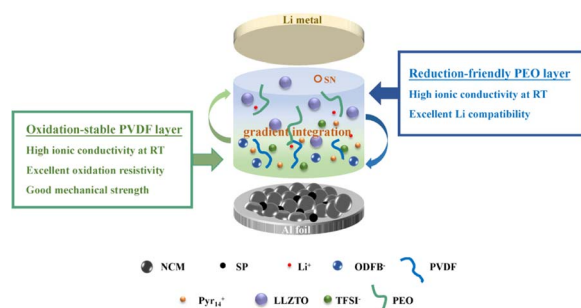
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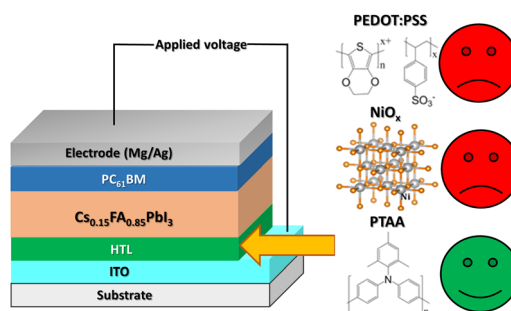
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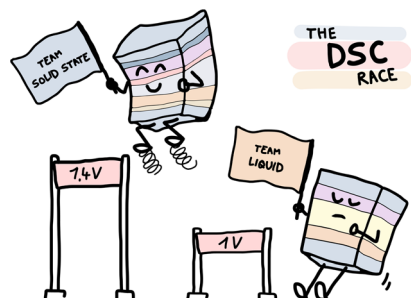
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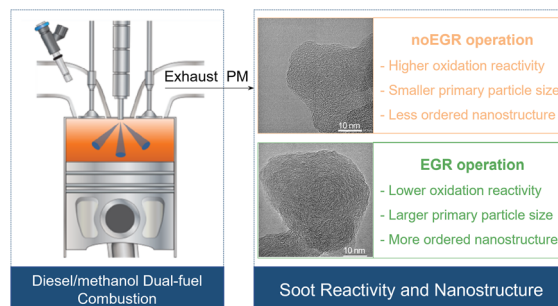
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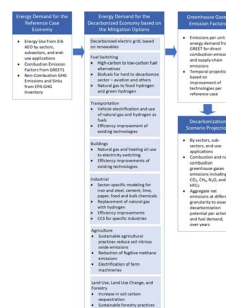
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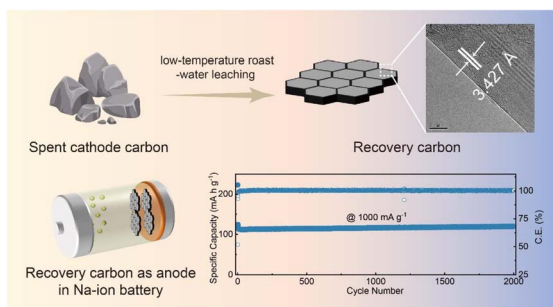
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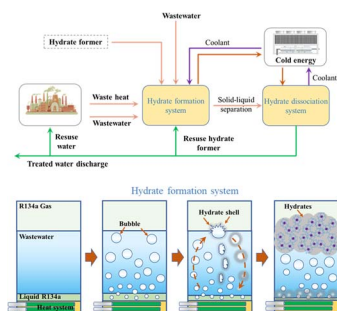
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Yao Lu, Zhifan Hua, Chao Chen, Zibo Chen, Xinyi Li, Hailin Yu, Ke Peng\* and Zhongliang Tian\*

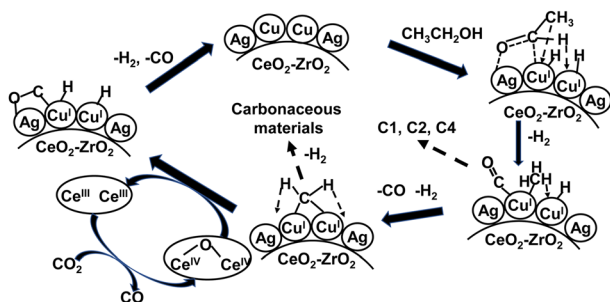
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### Low-grade waste heat recovery for wastewater treatment using clathrate hydrate based technology

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

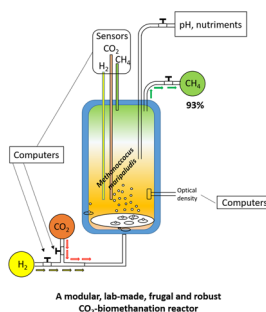
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Naoya Inoue, Yuuki Hatooka, Chihiro Okada, Shiori Shimidzu, Tadanori Hashimoto and Atsushi Ishihara\*

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

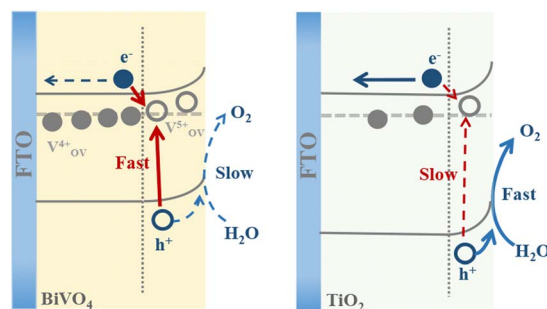


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Wenjun Zhu, Yuling Yuan and Yimeng Ma\*



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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

