

# Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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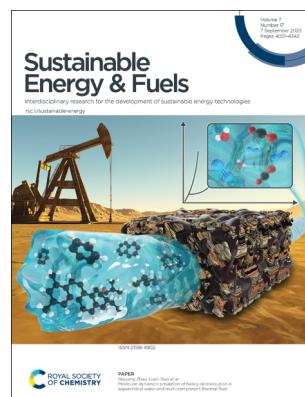
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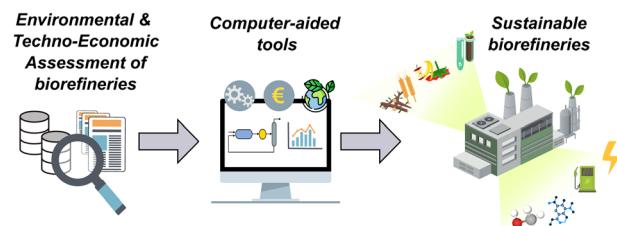
See Qiuyang Zhao, Liejin Guo *et al.*, pp. 4094–4109. Image reproduced by permission of Qiuyang Zhao from *Sustainable Energy Fuels*, 2023, 7, 4094.

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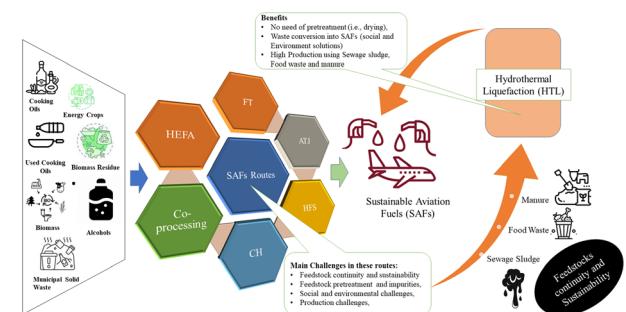


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**The future of aviation soars with HTL-based SAFs: exploring potential and overcoming challenges using organic wet feedstocks**

Muhammad Usman, Shuo Cheng, Sasipa Boonyubol and Jeffrey S. Cross\*

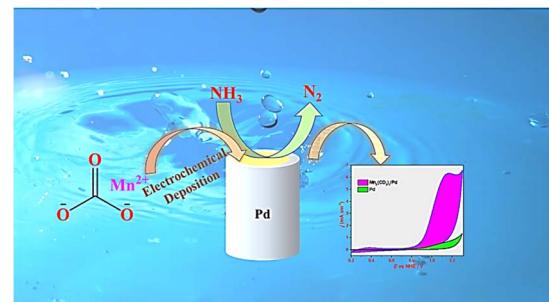


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**Manganese carbonate as an efficient electrocatalyst for the conversion of ammonia ( $\text{NH}_4^+/\text{NH}_3$ ) to dinitrogen**

Iranna Udachyan, Jayesh T. Bhanushali, Amir Mizrahi, Tomer Zidki and Dan Meyerstein\*

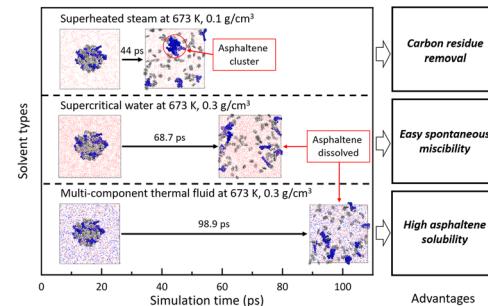


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**Molecular dynamics simulation of heavy oil dissolution in supercritical water and multi-component thermal fluid**

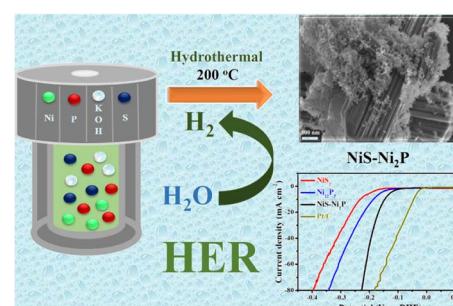
QIUYANG ZHAO,\* LICHEN ZHENG, YU DONG, HUI JIN, YECHUN WANG and LIEJIN GUO\*



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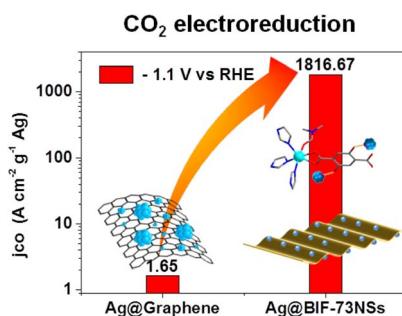
**A phase-engineered nickel sulfide and phosphide ( $\text{NiS}-\text{Ni}_2\text{P}$ ) heterostructure for enhanced hydrogen evolution performance supported with DFT analysis**

JIBAN K. DAS, NACHIKETA SAHU, PRATAP MANE, BRAHMANANDA CHAKRABORTY and J. N. BEHERA\*



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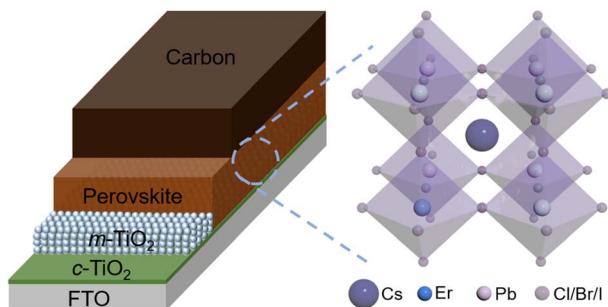
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**Hydroxyl reduced silver nanoparticles on ultrathin boron imidazolate framework nanosheets for electrocatalytic CO<sub>2</sub> reduction**

Ping Shao, Luocai Yi, Jun-Qiang Chen, Changsheng Cao, Hai-Xia Zhang\* and Jian Zhang\*

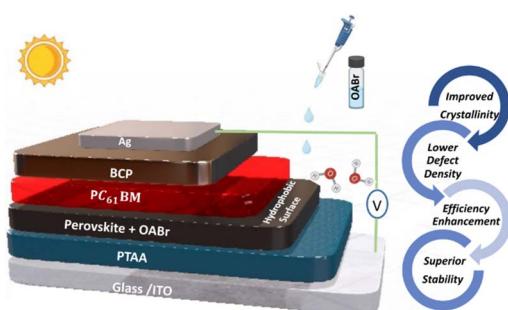
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Mengfei Zhu, Lina Qin, Yuren Xia, Yi Hu, Xinmei Song, Daocheng Hong, Yuxi Tian, Zuoxiu Tie\* and Zhong Jin\*

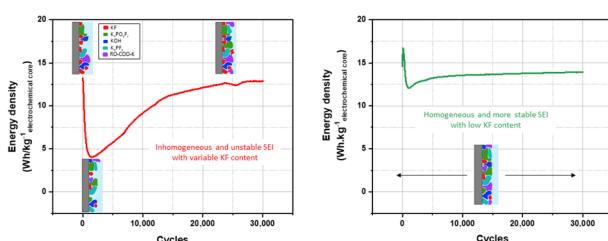
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Marie-Eve Yvenat,\* Benoit Chavillon, Eric Mayousse, Eric De Vito, Adrien Boulineau, Fabien Perdu and Philippe Azaïs

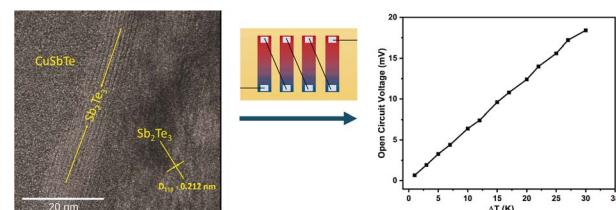


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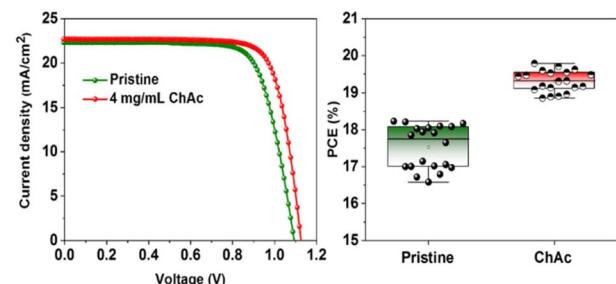
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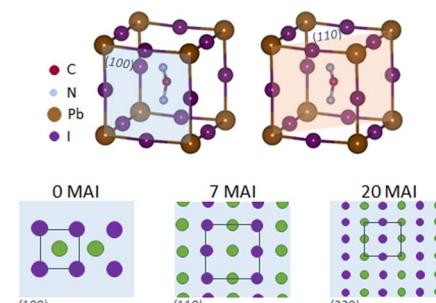
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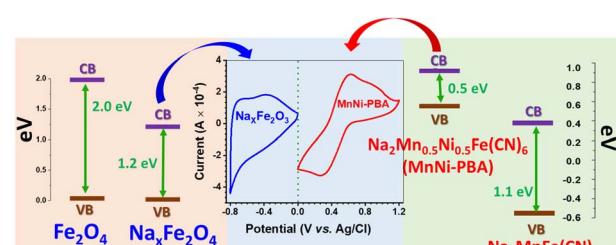
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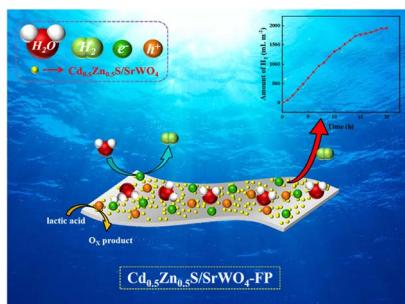
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Pappu Naskar, Shubhrajyoti Mondal, Biplab Biswas, Sourav Laha\* and Anjan Banerjee\*



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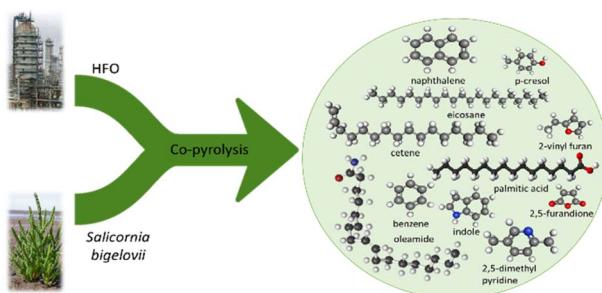
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Hui Liu, Luyao Xin, Lixia Qin, Taiyang Zhang, Xiangqing Li and Shi-Zhao Kang\*

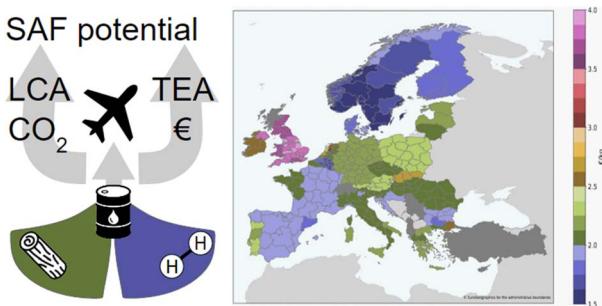
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Jinan Aljaziri,\* Ribhu Gautam\* and S. Mani Sarathy

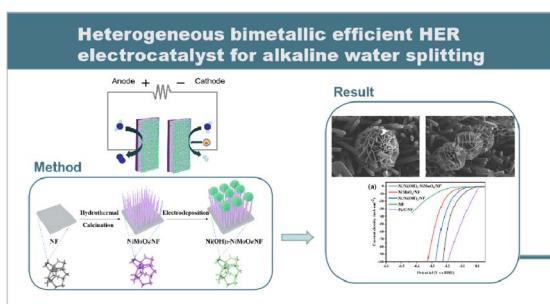
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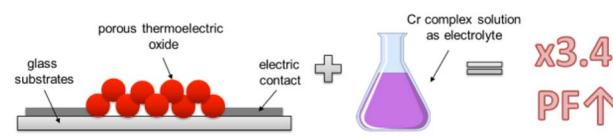


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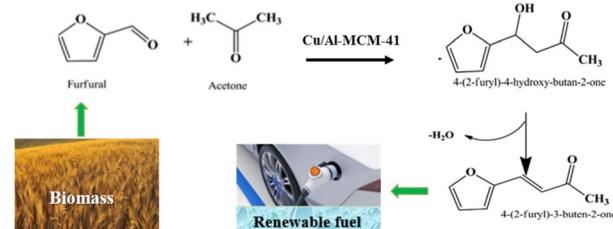
S. Castro-Ruiz, L. Márquez-García, M. Solis-de la Fuente, B. Beltrán-Pitarch, A. Mota-Babiloni, F. Vidan, P. Íñigo-Rabinal, G. Guisado-Barrios and J. García-Cañadas\*



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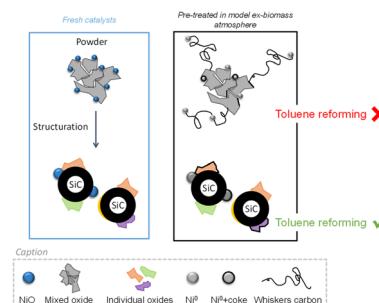
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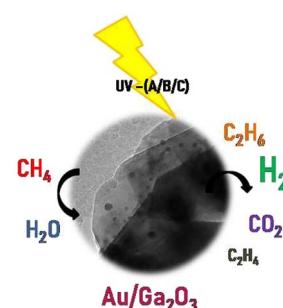
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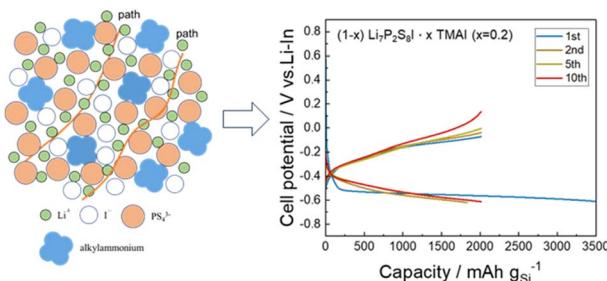
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Eliane R. Januario,\* Saulo A. Carminati, Aryane Tofanello, Bruno L. da Silva, Patricia F. Silvaino, Arthur P. Machado, Jorge M. Vaz and Estevam V. Spinacé



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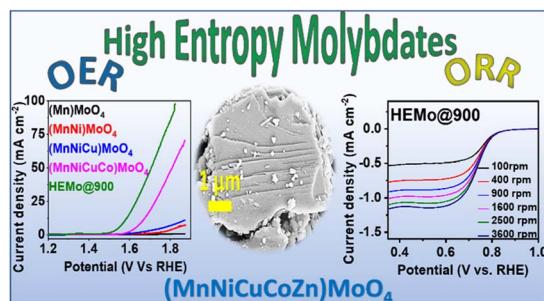
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Tong Fang, Hikaru Tokiwa, Akira Miura and Kiyoharu Tadanaga\*

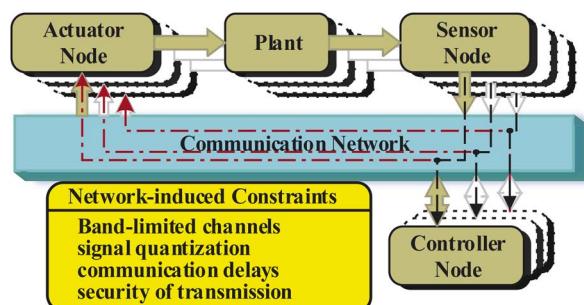
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Hemanth Kumar Beere, Pranav Kulkarni, Uday Narayan Maiti, R. Geetha Balakrishna, Priyam Mukherjee, Hyun Young Jung, Ketaki Samanta and Debasis Ghosh\*

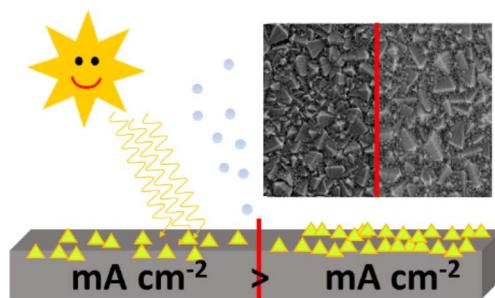
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Hanmei Zhou, Qishui Zhong,\* Shaoyu Hu, Jin Yang, Kaibo Shi and Shouming Zhong

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Mirco Ade, Lion Schumacher and Roland Marschall\*

