

# Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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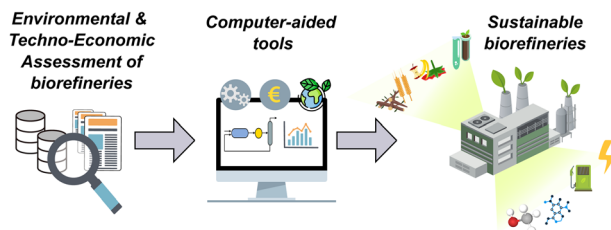
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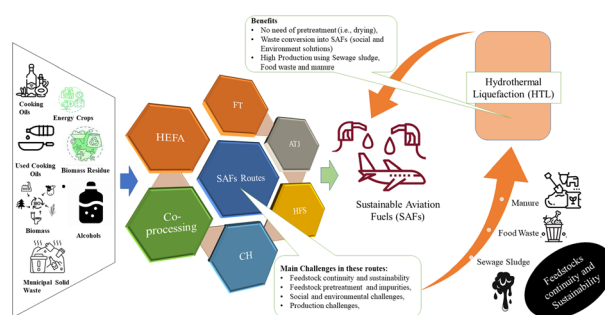


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## The future of aviation soars with HTL-based SAFs: exploring potential and overcoming challenges using organic wet feedstocks

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

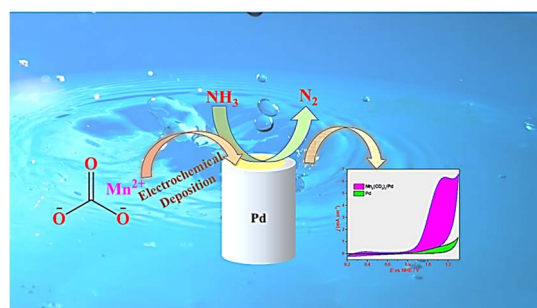


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Iranna Udachyan, Jayesh T. Bhanushali, Amir Mizrahi, Tomer Zidki and Dan Meyerstein\*

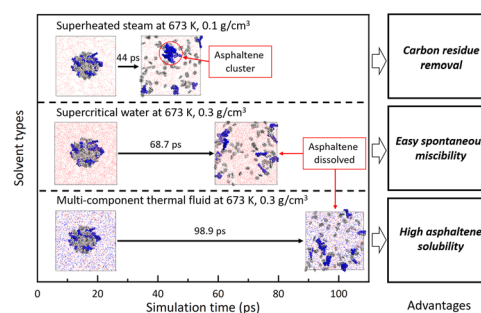


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## Molecular dynamics simulation of heavy oil dissolution in supercritical water and multi-component thermal fluid

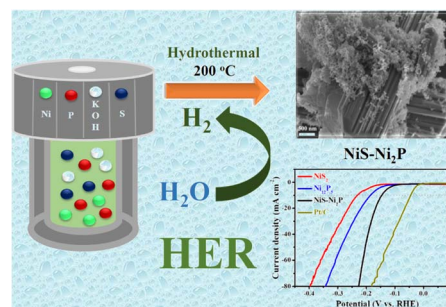
Qiuyang Zhao,\* Lichen Zheng, Yu Dong, Hui Jin, Yechun Wang and Liejin Guo\*



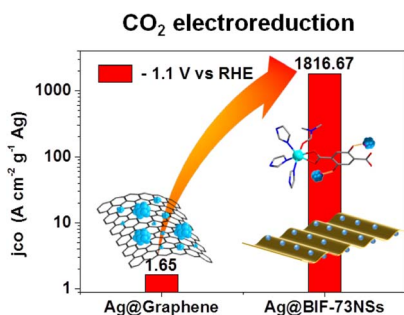
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## A phase-engineered nickel sulfide and phosphide ( $\text{NiS-Ni}_2\text{P}$ ) heterostructure for enhanced hydrogen evolution performance supported with DFT analysis

Jiban K. Das, Nachiketa Sahu, Pratap Mane, Brahmananda Chakraborty and J. N. Behera\*



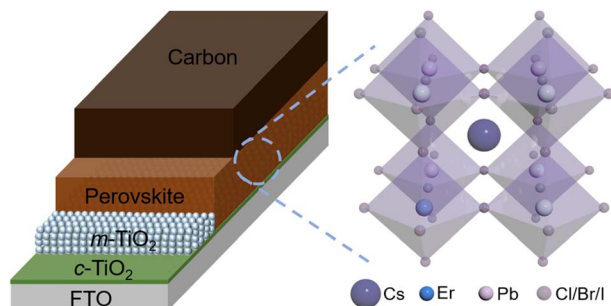
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### Hydroxyl reduced silver nanoparticles on ultrathin boron imidazolate framework nanosheets for electrocatalytic CO<sub>2</sub> reduction

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

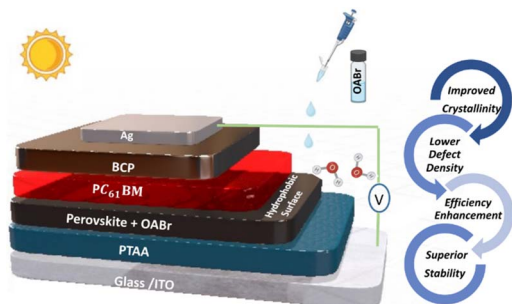
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Mengfei Zhu, Lina Qin, Yuren Xia, Yi Hu, Xinmei Song, Daocheng Hong, Yuxi Tian, Zuoxiu Tie\* and Zhong Jin\*

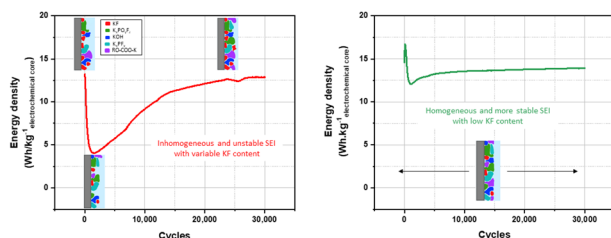
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Nikolaos Tzoganakis, Konstantinos Chatzimanolis, Emmanuel Spiliarotis, George Veisakis, Dimitris Tsikritzis\* and Emmanuel Kymakis

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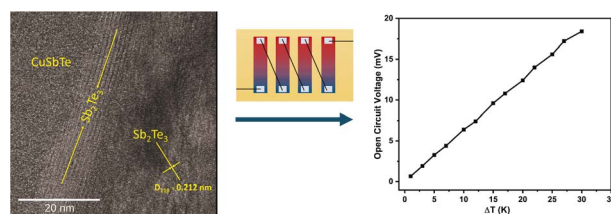
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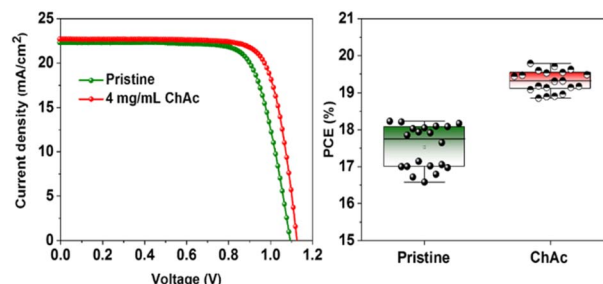
Amit Tanwar, Rajvinder Kaur, N. Padmanathan\* and Kafil M. Razeeb\*



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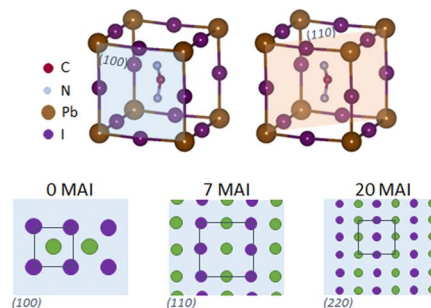
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### Revealing the impact of the host-salt non-stoichiometry on the performance of perovskite solar cells

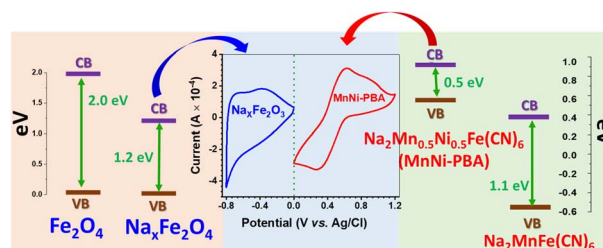
Amit Kumar, Bhanu Pratap Dhamaniya, Shailendra Kumar Gupta, Priyanka Chhillar, Kartiki Chandratre, Sandeep Kumar Pathak and Supravat Karak\*



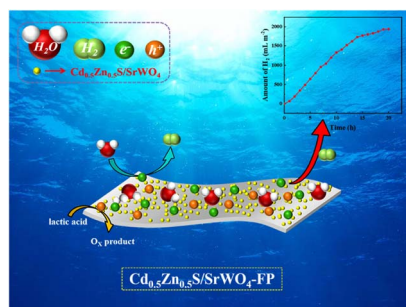
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Pappu Naskar, Shubhrajyoti Mondal, Biplab Biswas, Sourav Laha\* and Anjan Banerjee\*



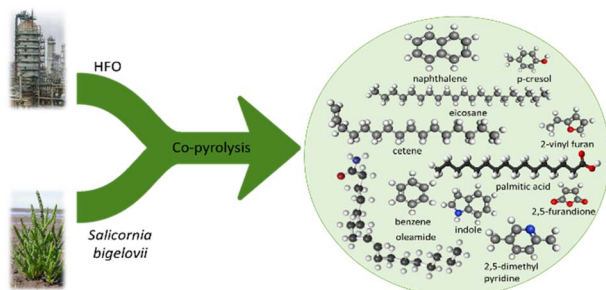
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Hui Liu, Luyao Xin, Lixia Qin, Taiyang Zhang, Xiangqing Li and Shi-Zhao Kang\*

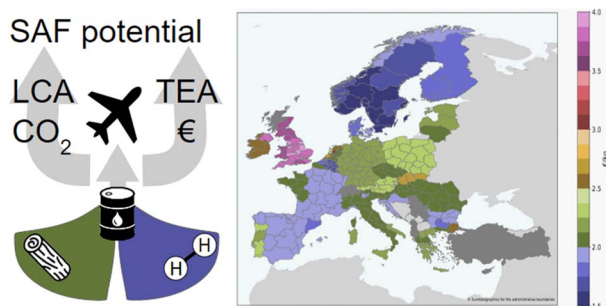
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Jinan Aljaziri,\* Ribhu Gautam\* and S. Mani Sarathy

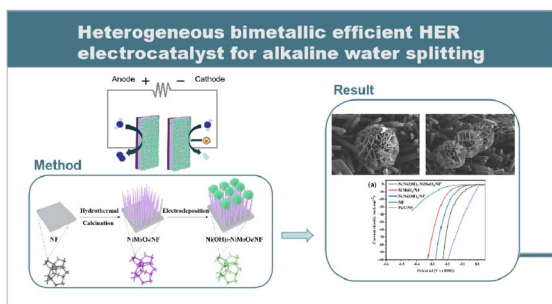
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Felix Habermeyer,\* Veatriki Papantoni, Urte Brand-Daniels and Ralph-Uwe Dietrich

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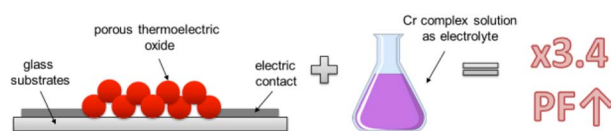
Jianzhi Wang, Jie Yang, Yanjun Yu, Yanan Xue, Yu Luo, Ziyi Guo, Hongliang Yu, Hui Li\* and Faquan Yu\*



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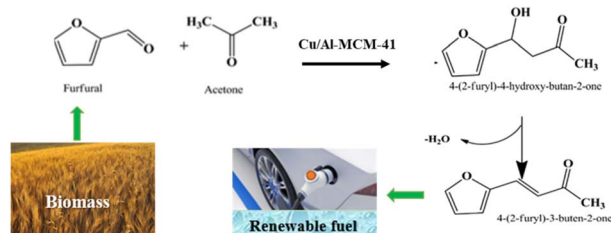
S. Castro-Ruiz, L. Márquez-García, M. Solís-de la Fuente, B. Beltrán-Pitarch, A. Mota-Babiloni, F. Vidan, P. Íñigo-Rabinal, G. Guisado-Barrios and J. García-Cañadas\*



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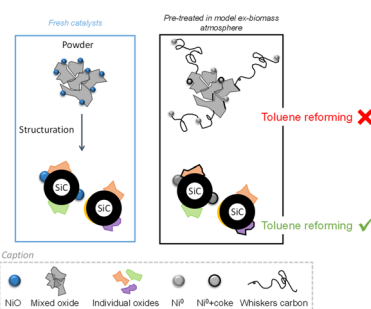
Priyanga Gandhi, Biswajit Saha, Sundaramurthy Vedachalam and Ajay K. Dalai\*



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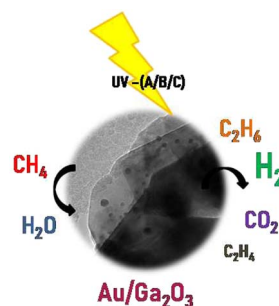
Lole Jurado,\* Michaël Martin Romo y Morales, Sébastien Thomas and Anne-Cécile Roger



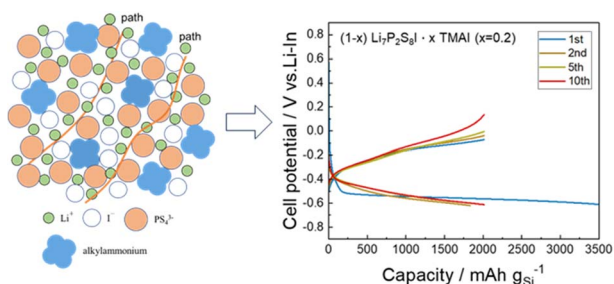
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Eliane R. Januario,\* Saulo A. Carminati, Aryane Tofanello, Bruno L. da Silva, Patricia F. Silvaino, Arthur P. Machado, Jorge M. Vaz and Estevam V. Spinacé



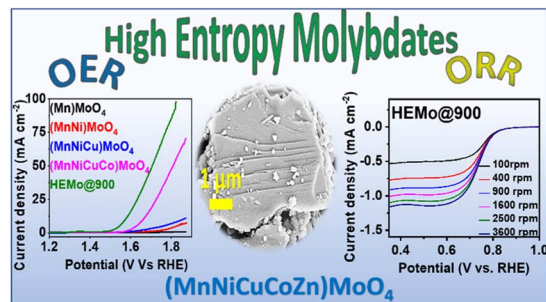
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Tong Fang, Hikaru Tokiwa, Akira Miura and Kiyoharu Tadanaga\*

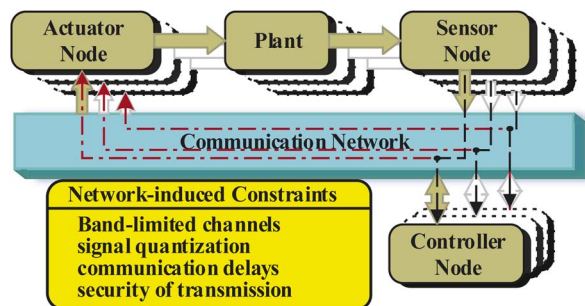
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Hemanth Kumar Beere, Pranav Kulkarni, Uday Narayan Maiti, R. Geetha Balakrishna, Priyam Mukherjee, Hyun Young Jung, Ketaki Samanta and Debasis Ghosh\*

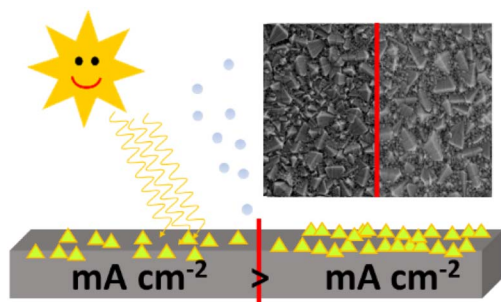
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Hanmei Zhou, Qishui Zhong,\* Shaoyu Hu, Jin Yang, Kaibo Shi and Shouming Zhong

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Mirco Ade, Lion Schumacher and Roland Marschall\*

