

Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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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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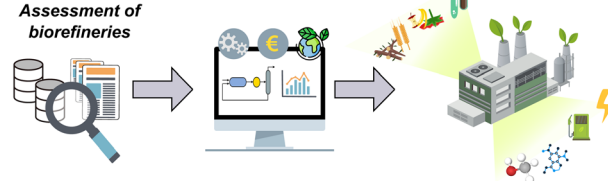
Integrated techno-economic and environmental assessment of biorefineries: review and future research directions

Déborah Pérez-Almada, Ángel Galán-Martín,* María del Mar Contreras and Eulogio Castro

Environmental & Techno-Economic Assessment of biorefineries

Computer-aided tools

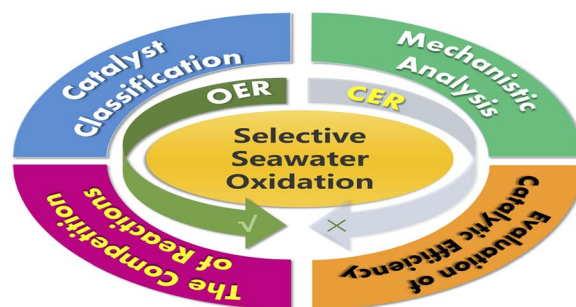
Sustainable biorefineries



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Non-noble metal catalysts for preventing chlorine evolution reaction in electrolytic seawater splitting

Zhixi Guan, Lin Yang, Lianhui Wu, Daying Guo,* Xi'an Chen* and Shun Wang



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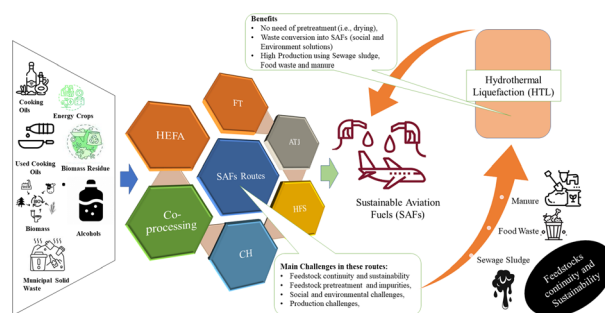


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The future of aviation soars with HTL-based SAFs: exploring potential and overcoming challenges using organic wet feedstocks

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

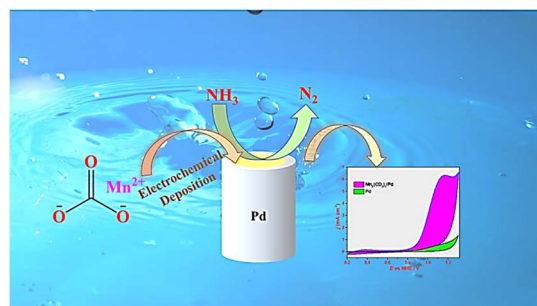


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Iranna Udachyan, Jayesh T. Bhanushali, Amir Mizrahi, Tomer Zidki and Dan Meyerstein*

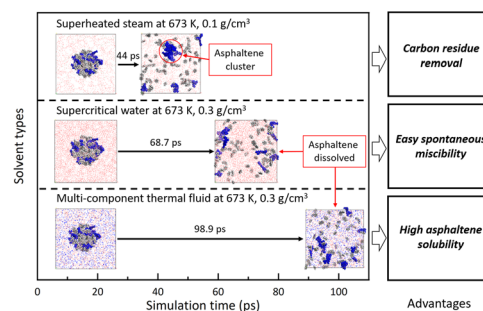


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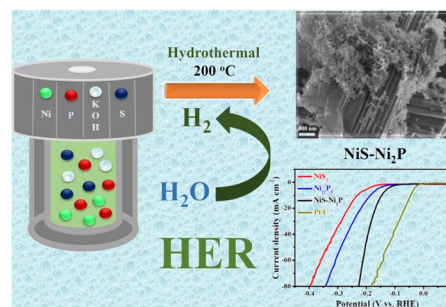
Qiuyang Zhao,* Lichen Zheng, Yu Dong, Hui Jin, Yechun Wang and Liejin Guo*



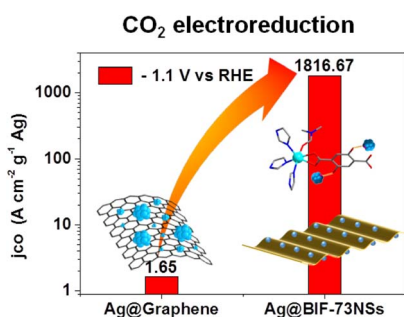
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A phase-engineered nickel sulfide and phosphide ($\text{NiS}-\text{Ni}_2\text{P}$) heterostructure for enhanced hydrogen evolution performance supported with DFT analysis

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



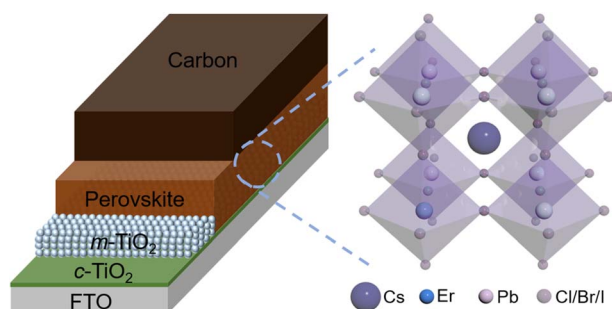
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Ping Shao, Luocai Yi, Jun-Qiang Chen, Changsheng Cao, Hai-Xia Zhang* and Jian Zhang*

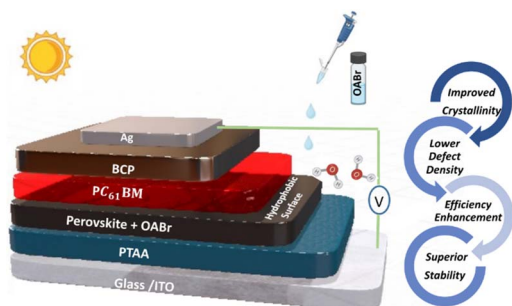
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Mengfei Zhu, Lina Qin, Yuren Xia, Yi Hu, Xinmei Song, Daocheng Hong, Yuxi Tian, Zuoxiu Tie* and Zhong Jin*

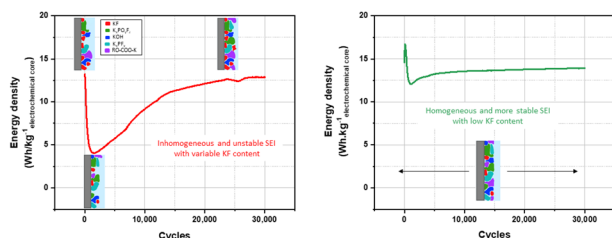
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An efficient approach for controlling the crystallization, strain, and defects of the perovskite film in hybrid perovskite solar cells through antisolvent engineering

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

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

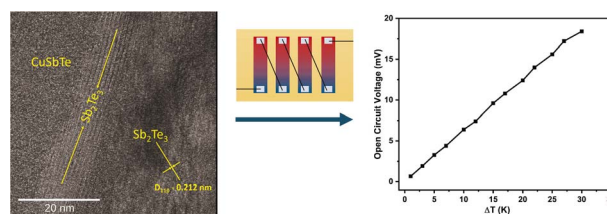


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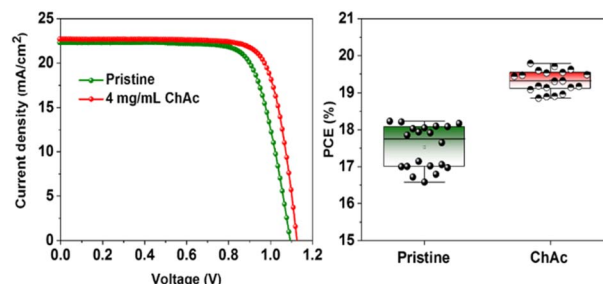
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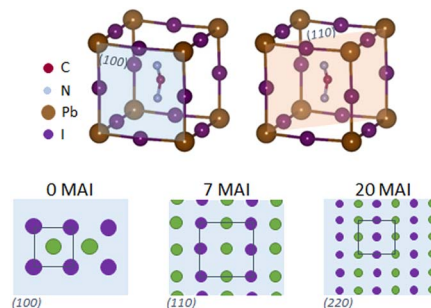
M. Thambidurai, Herlina Arianita Dewi, Wang Xizu, Nripan Mathews, Cuong Dang* and Hung D. Nguyen*



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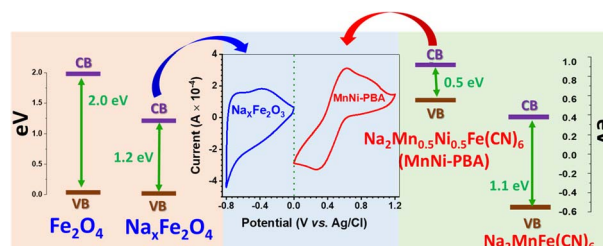
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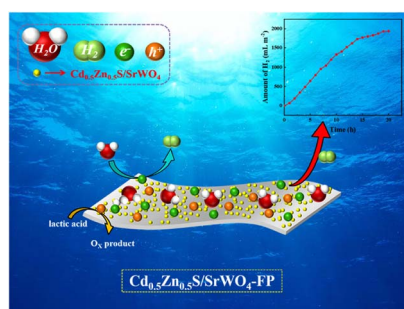
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Pappu Naskar, Shubhrajyoti Mondal, Biplab Biswas, Sourav Laha* and Anjan Banerjee*



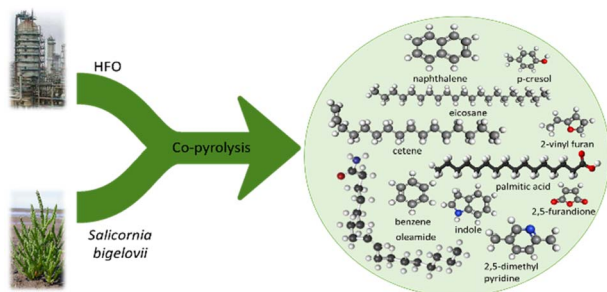
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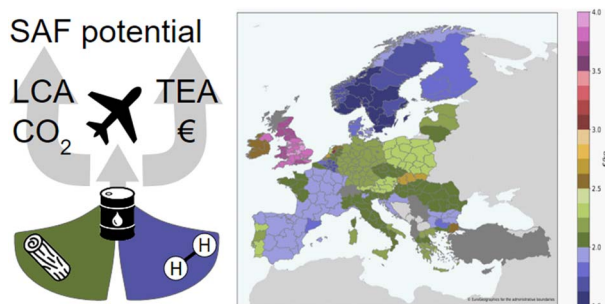
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Interactions in co-pyrolysis of *Salicornia bigelovii* and heavy fuel oil

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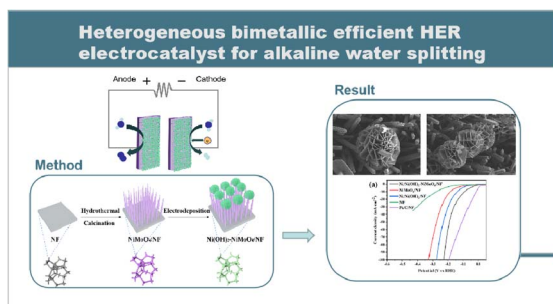
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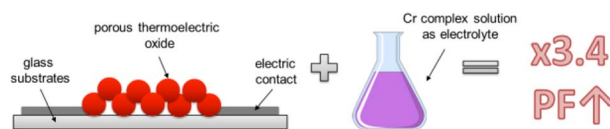


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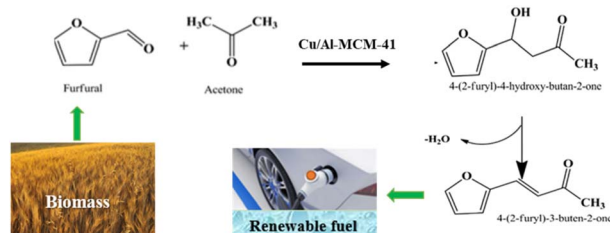
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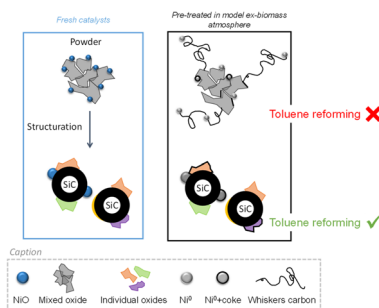
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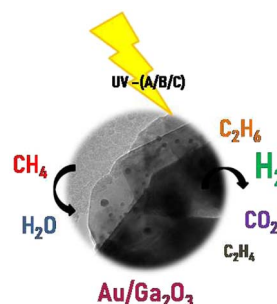
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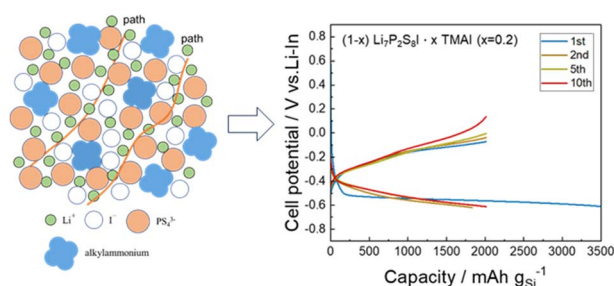
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Eliane R. Januario,* Saulo A. Carminati, Aryane Tofanello, Bruno L. da Silva, Patricia F. Silvaino, Arthur P. Machado, Jorge M. Vaz and Estevam V. Spinacé



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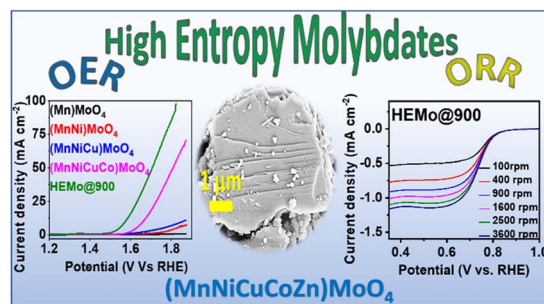
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Tong Fang, Hikaru Tokiwa, Akira Miura and Kiyoharu Tadanaga*

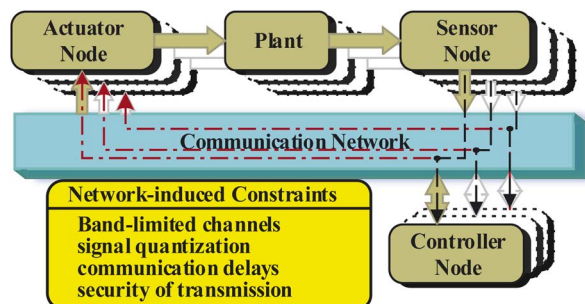
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Achieving favourable oxygen electrocatalytic activity with compositionally complex metal molybdates

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

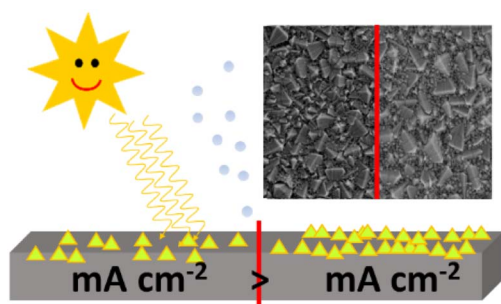
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Dynamic event-triggered H_∞ quantized load frequency control for interconnected wind power systems under stochastic delay deception attack

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

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Mirco Ade, Lion Schumacher and Roland Marschall*

