

# Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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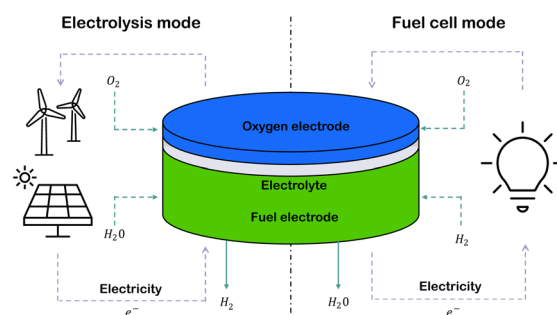
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See Shigeru Ikeda *et al.*, pp. 6665–6671. Image reproduced by permission of Shigeru Ikeda from *Sustainable Energy Fuels*, 2025, 9, 6665.

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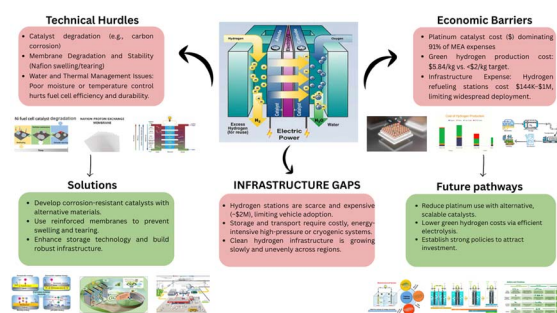
Axel Savikko, Buse Bilbey and Muhammad Imran Asghar\*



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Shlok Sahu, Ritika Kanwal, Ishika Ratnawat, Afkham Mir\* and lyman Abrar\*



# RSC Applied Interfaces

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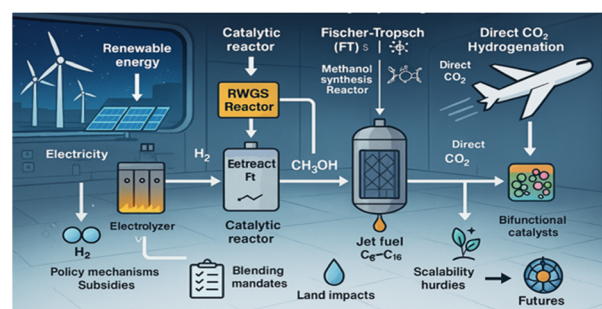
Fundamental questions  
Elemental answers

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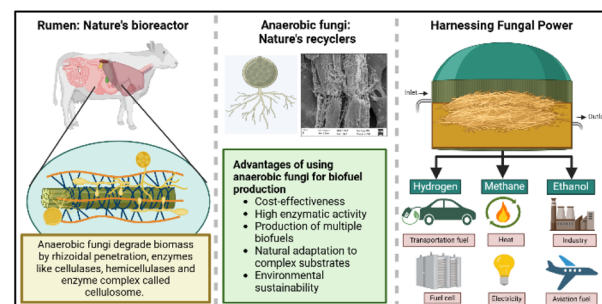
Nur'ain Nadia Shapril, Yasmin Abdul Wahab,\*  
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Payal Deshpande and Prashant K. Dhakephalkar\*

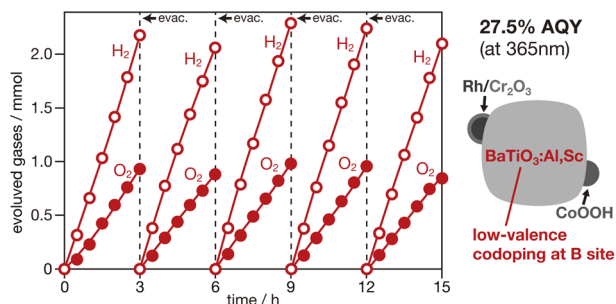


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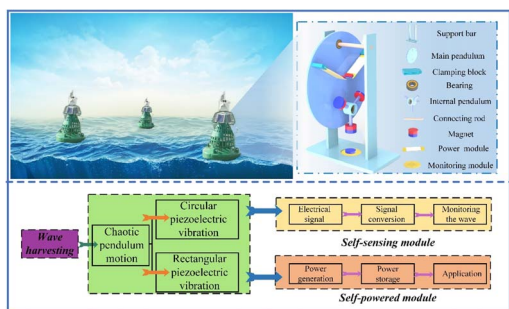
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### Sustainable valorization of waste cooking oil via low-temperature transesterification using BaO/ZnO nanocatalyst: process optimization and mechanistic studies

Surajit Pradhan, Hiralal Pramanik and Yogesh Chandra Sharma\*



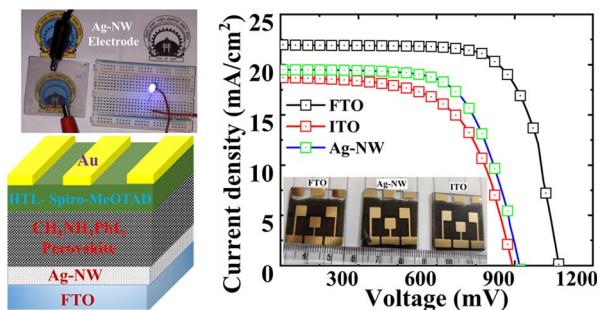
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### A magnet-assisted chaotic pendulum low-frequency piezoelectric energy harvester

Yongfeng Yan, Chuanjun Xu, Ziming Zhou, Haopeng Ren, Jingjun Lin and Lipeng He\*

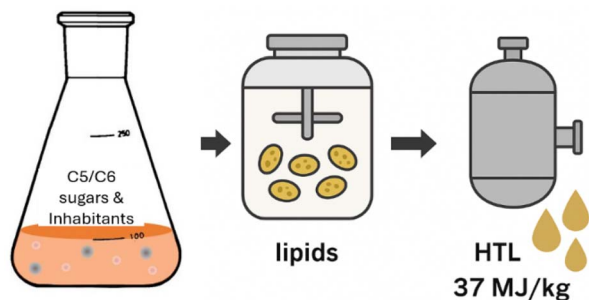
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### Facile chemical spray deposition of Ag-nanowire films: tailoring their structural, optical, and electrical properties for application as TCEs

Ranjith Kumar Poobalan and Ramarajan Ramanathan

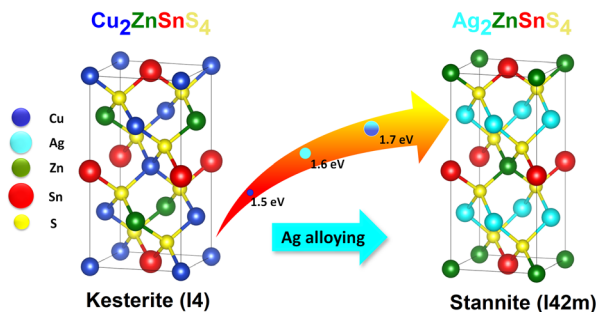
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### Towards a wide bandgap absorber: structural, morphological, and optical investigation of Ag-alloyed $\text{Cu}_2\text{ZnSnS}_4$ thin films

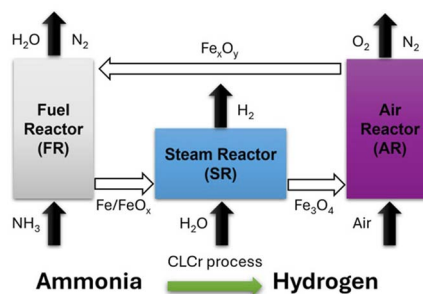
Messaoud Tamin, Outman El Khouja, Mohamed Guemmaz, Charif Tamin, Amelia Elena Bocirnea, Ilhame Asshsahi, Denis Chaumont and Aurelian Catalin Galca\*



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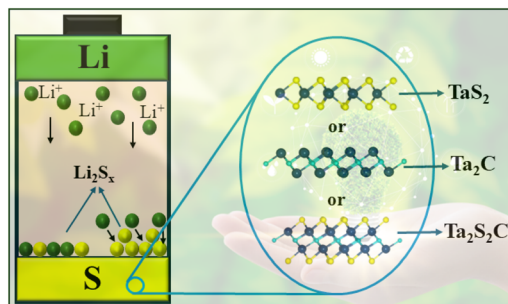
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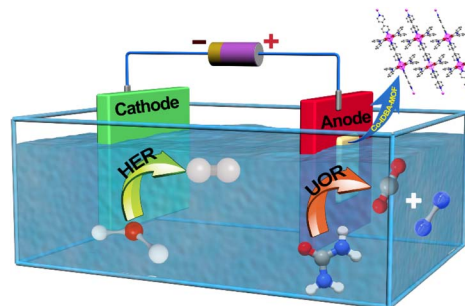
Shrish Nath Upadhyay and Jayant K. Singh\*



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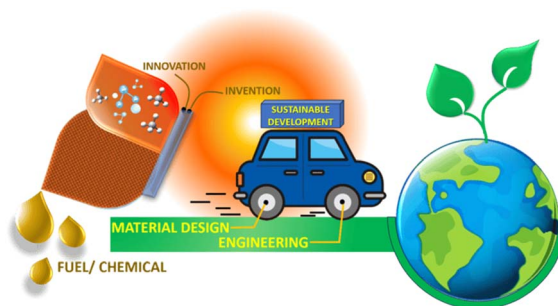
Anirban Ghosh, Tapas Sen and Asim Bhaumik\*



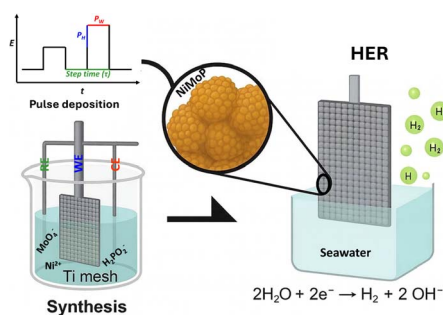
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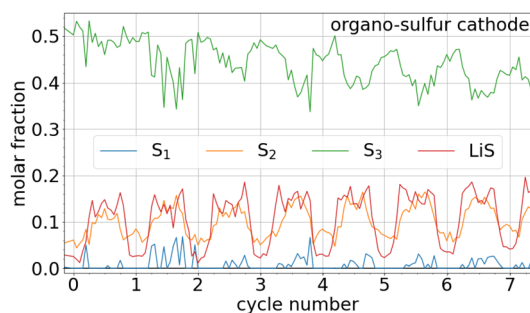
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### Highly durable and efficient hydrogen production from alkaline seawater using pulse-deposited NiMoP nanosphere electrocatalysts

Berhanu Telay Mekonnen, Guan-Cheng Chen, Sun-Tang Chang, Yao-Ming Wang, Sheng-Yu Wang and Chen-Hao Wang\*

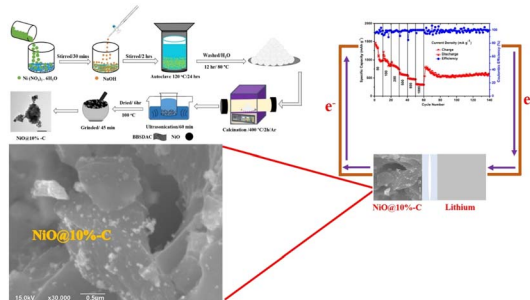
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Konstantin Skudler,\* Rukiya Matsidik, Ayda Gholamhosseinian, Hongfei Yang, Michael Walter, Michael Sommer and Matthias Müller\*

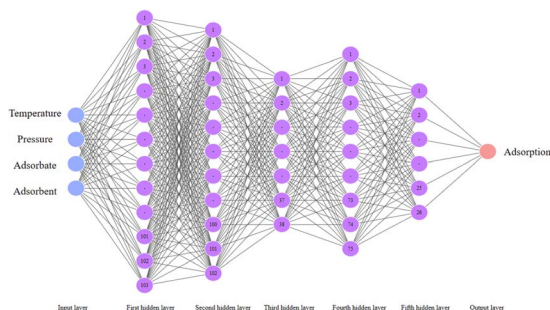
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### NiO composites with blackberry seed-derived activated carbon (NiO/BBSDAC) for the improved electrochemical behavior of lithium-ion battery anodes

Chandra Sekhar Bongu, V. Ganesh and Edreese H. Alsharaeh\*

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Tianqi Yang, Dong Wei, Hao Luo, Ben Chen, Yonghua Cai, Chenglong Li,\* Xuefang Li, Richard Chahine and Jinsheng Xiao



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## Facile and robust hybrid TENG for harvesting wind energy and water flow energy

Jiayi Hu, Mengfan Li, Ying Lou, Weiqi Cui, Jiaodi Li, Qiuxiang Wang, Aifang Yu\* and Junyi Zhai\*

