Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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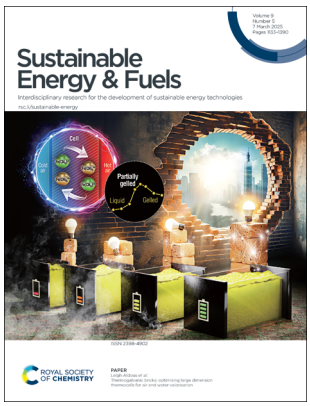

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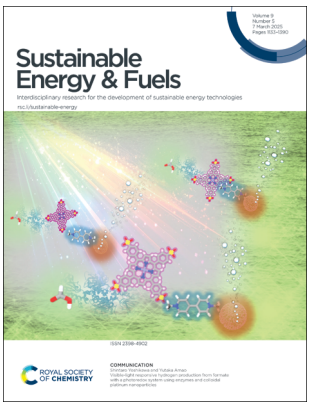
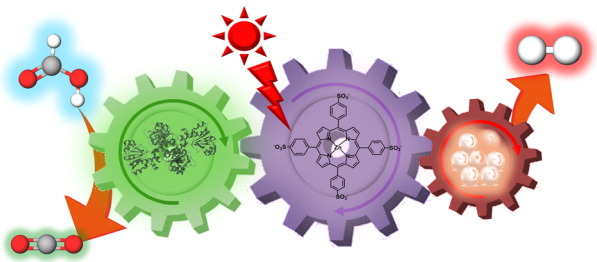
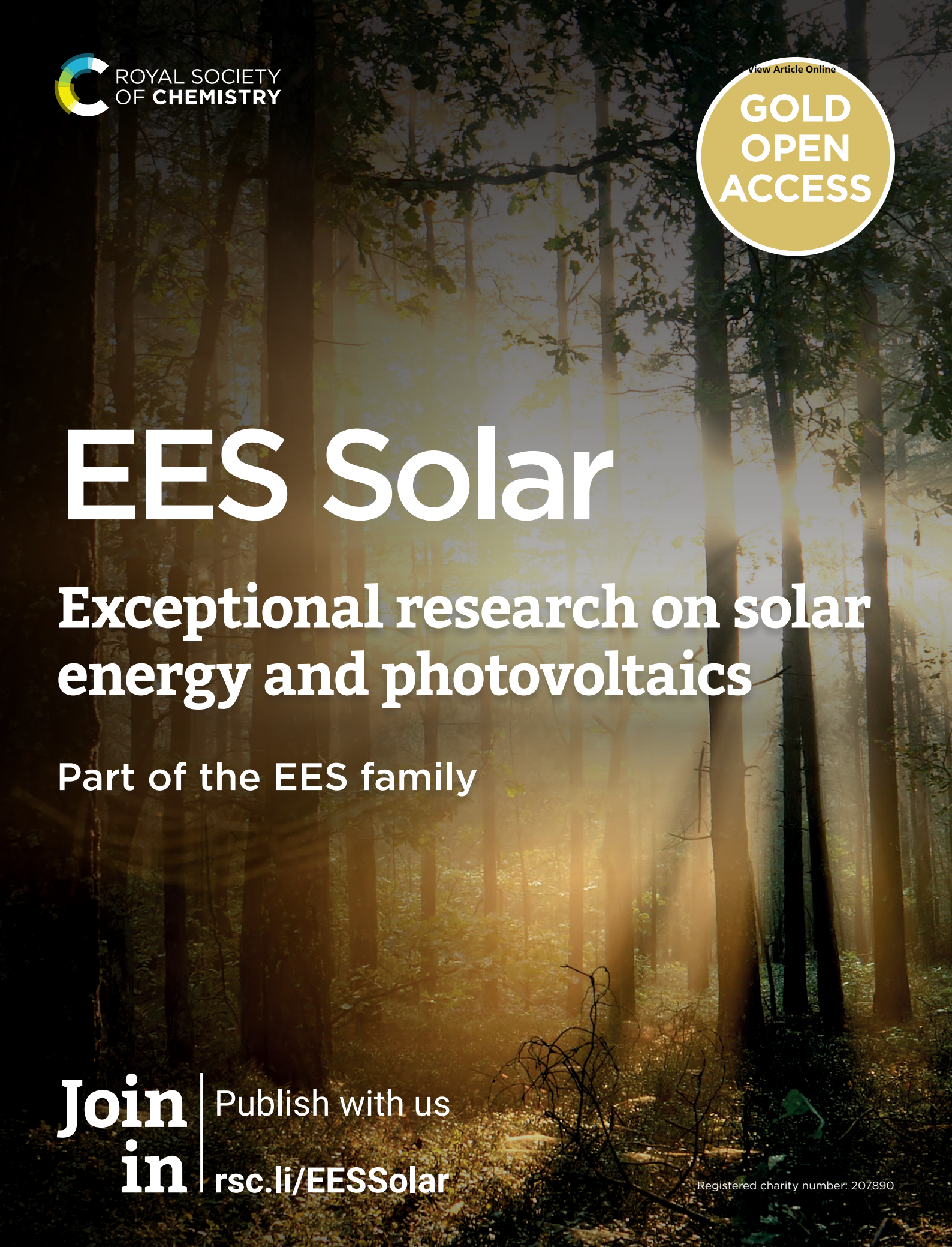


Inside cover
See Shintaro Yoshikawa and Yutaka Amao, pp. 1160–1164. Image reproduced by permission of Yutaka Amao from *Sustainable Energy Fuels*, 2025, **9**, 1160.

PERSPECTIVE

COMMUNICATION

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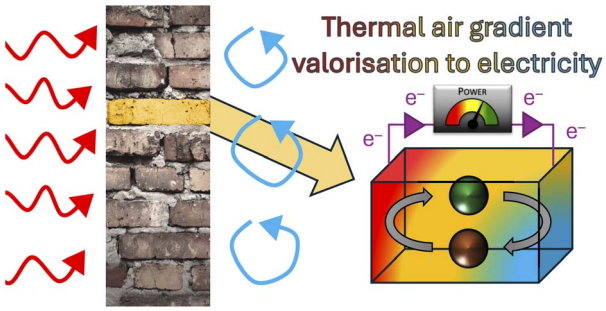

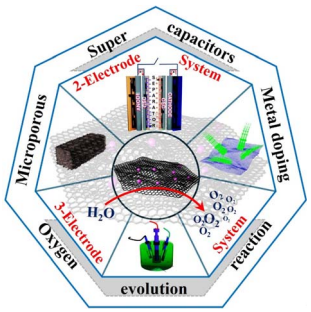

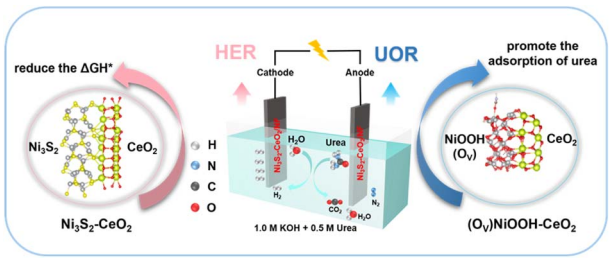

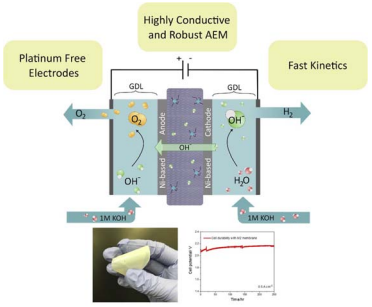

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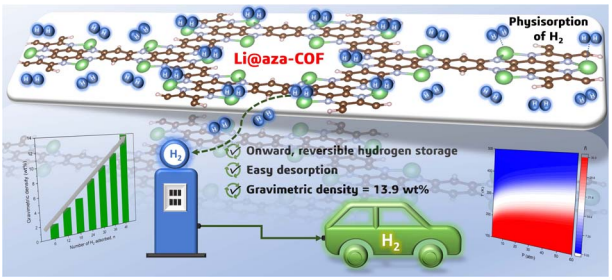

Li-doped 2D aza-fused covalent organic framework: a promising avenue for hydrogen storage

Preeti Beniwal and T. J. Dhilip Kumar*

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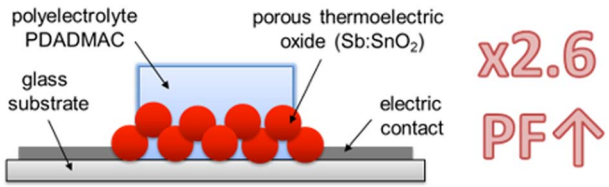

Poly(diallyldimethylammonium)-based solid electrolytes to significantly enhance the power factor of a thermoelectric oxide film (Sb-doped SnO_2)

M. Solis-de la Fuente, S. Castro-Ruiz, L. Márquez-García, P. Rullière, S. Fantini, R. Del Olmo, N. Casado and J. García-Cañadas*

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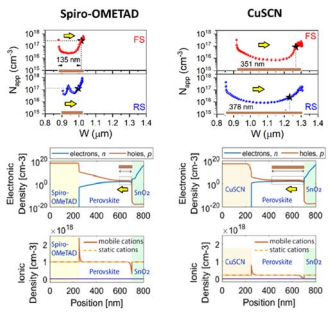

Impact of the hole transport layer on the space charge distribution and hysteresis in perovskite solar cells analysed by capacitance–voltage profiling

E. Regalado-Pérez,* Evelyn B. Díaz-Cruz and J. Villanueva-Cab*

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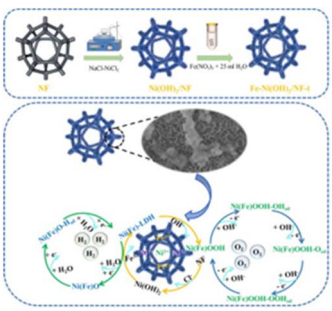

Low-temperature etch synthesis of Fe-doped $Ni(OH)_2$ for enhanced bifunctional water splitting

Yanmei Xin, Xiaoru Dou, Qiling Yan, Ruiting Zhang, Shuaishuai Li,* Guoan Huang* and Zhonghai Zhang*

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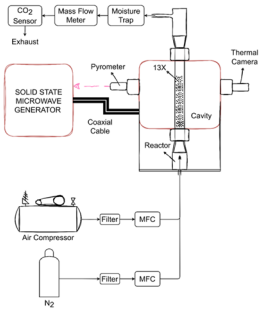

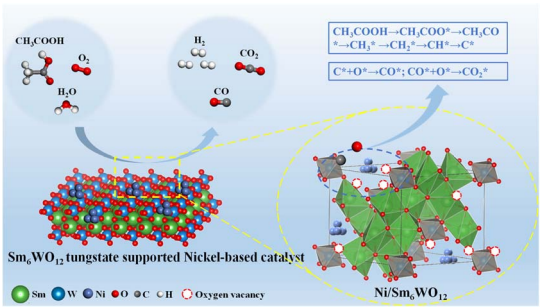

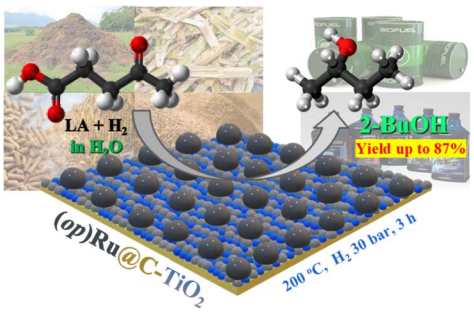

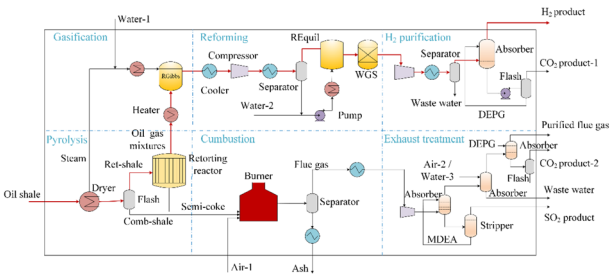

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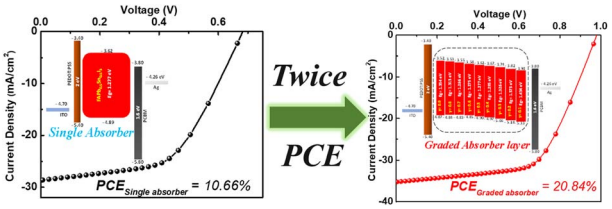

Theoretical estimation to double the performance of perovskite solar cells using a graded absorber layer

Monisha Nayak, Abu Jahid Akhtar and Sudip K. Saha*

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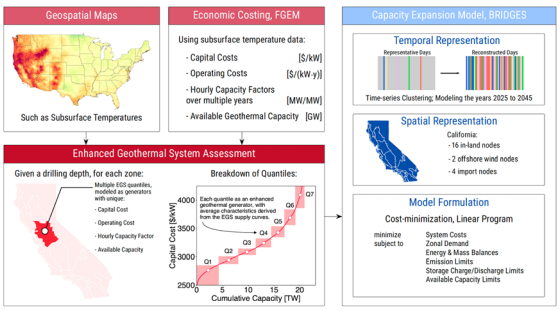

The value of enhanced geothermal systems for the energy transition in California

Mohammad J. Aljubran,* Dimitri M. Saad, Mo Sodwatana, Adam R. Brandt and Roland N. Horne

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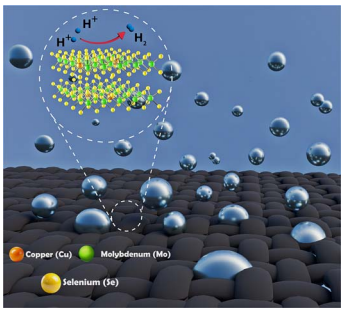

Triggering the phase transition of molybdenum di-selenide ($MoSe_2$) 1T@2H by introducing copper (Cu^+): experimental insights and DFT analysis for the hydrogen evolution reaction

Gautham Kumar G, P. Balaji Bhargav,* C. Balaji and Shobana Priyanka D

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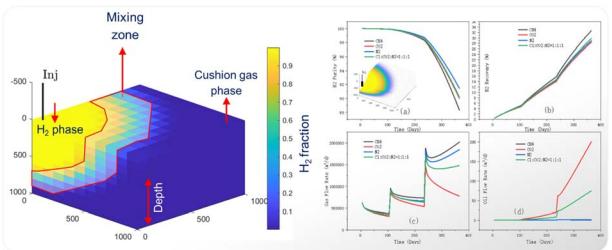

A sensitivity study of hydrogen mixing with cushion gases for effective storage in porous media

Junhan Lu, Nasiru Salahu Muhammed, Jude A. Okolie and Emmanuel I. Epelle*

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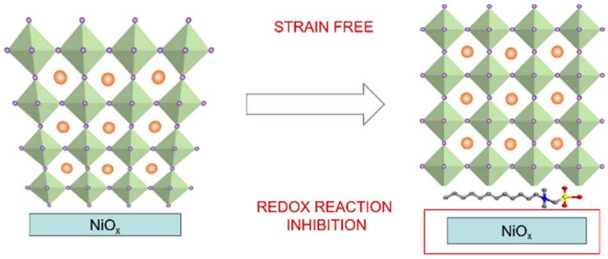

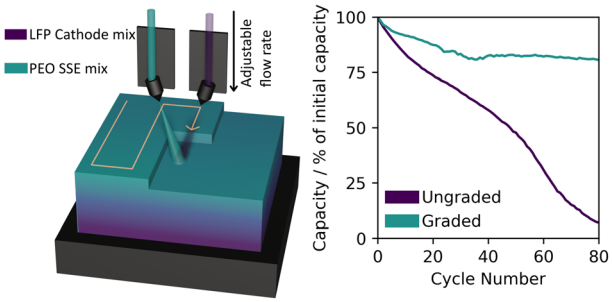

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