

Sustainable Energy & Fuels

Interdisciplinary research for the development of sustainable energy technologies

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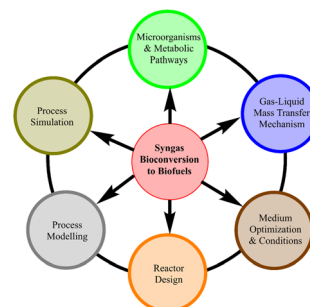
See Kazuhiko Maeda *et al.*, pp. 36–42. Image reproduced by permission of Kazuhiko Maeda from *Sustainable Energy Fuels*, 2024, 8, 36.

REVIEW

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Syngas conversion to biofuels and biochemicals: a review of process engineering and mechanisms

Habiba Khalid, Farrukh Raza Amin, Lian Gao, Limei Chen, Wuxi Chen, Sundus Javed and Demao Li*

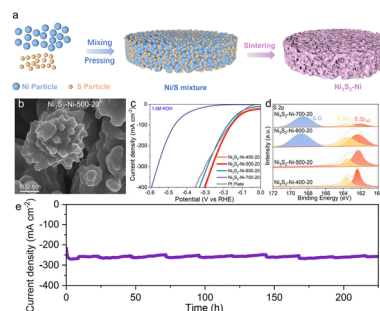


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An efficient Ni_3S_2 –Ni electrode constructed by a one-step powder metallurgy approach for the hydrogen evolution reaction

Yang Zhao, Xiaoqian Shi, Bin Zhang, Shizhong Wei,* Jiping Ma, Jianbin Lai, Guangmin Zhou and Huan Pang



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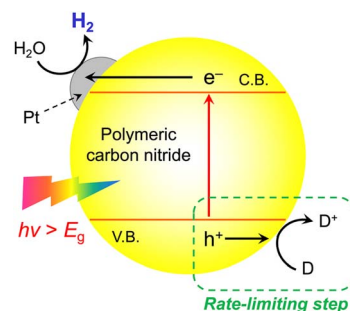
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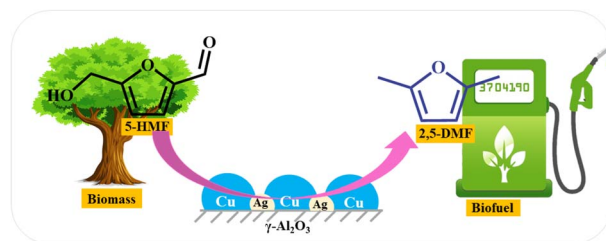
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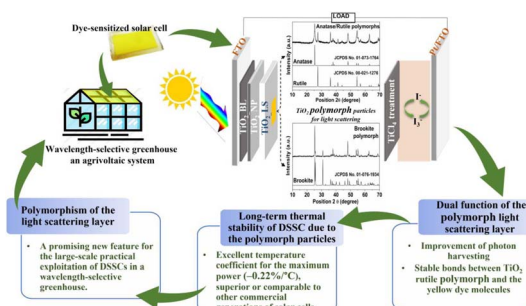
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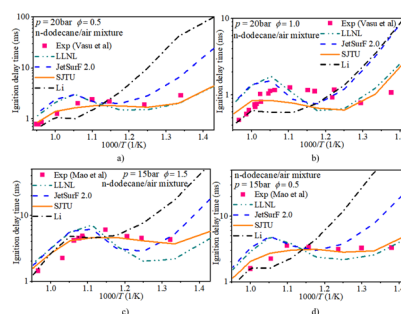
Daniel Ursu, Melinda Vajda, Elisei Ilieș, Radu Ricman, Magdalena Marinca, Szilard Bularka, Marinela Miclău* and Aurel Gontean*

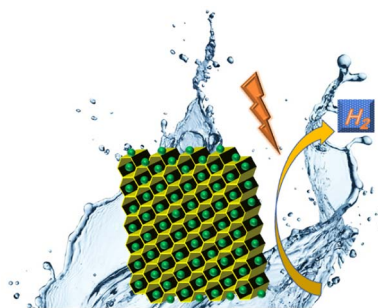


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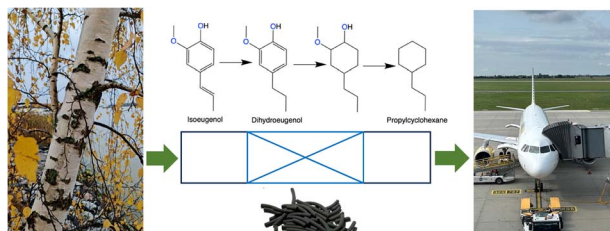
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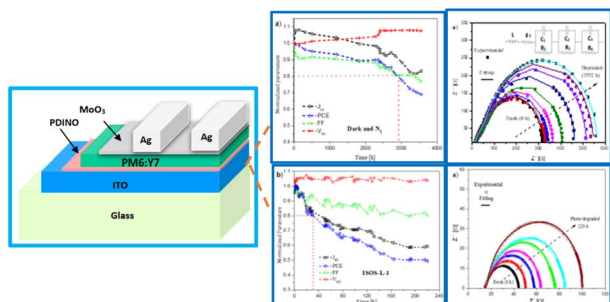
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Peng-Cheng Ji, Yang Teng, Hong-Cheng Li, Ming-Yun Guan and Hai-Lang Jia*



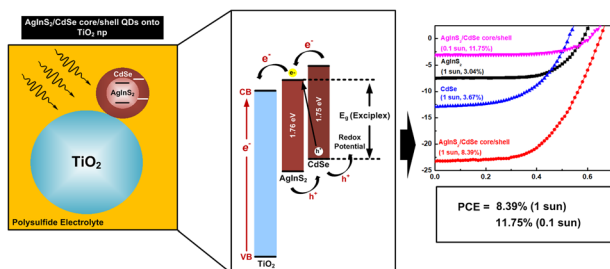
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Angel Sacramento,* José L. Abad, Magaly Ramírez-Como, Victor S. Balderrama and Magali Estrada



AgInS₂/CdSe type-II core/shell quantum dot-sensitized solar cells with an efficiency of 11.75% under 0.1 sun

Siti Utari Rahayu, Yu-Rou Wang, Jen-Bin Shi and Ming-Way Lee*

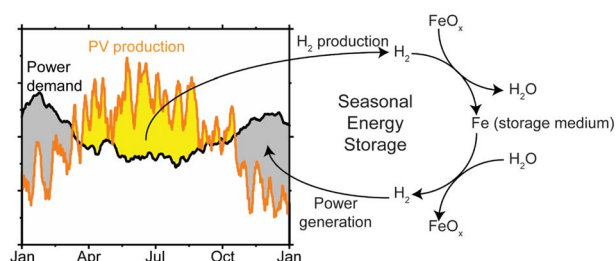


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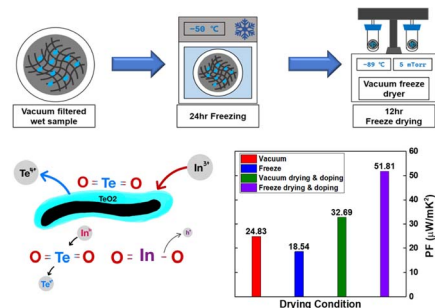
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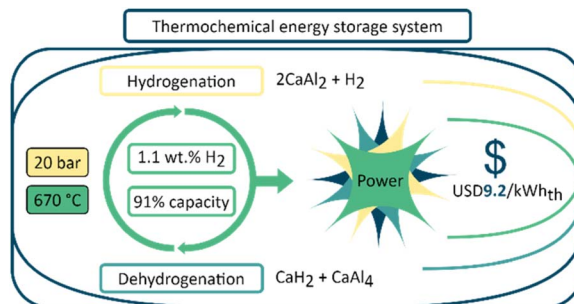
In Ho Kim and Yong Jin Jeong*



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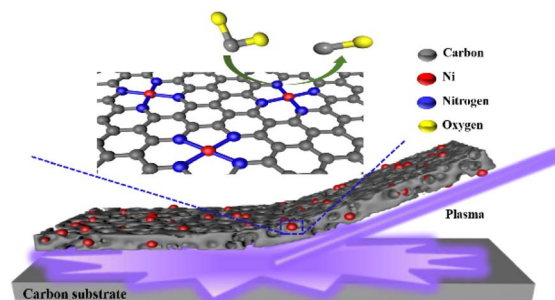
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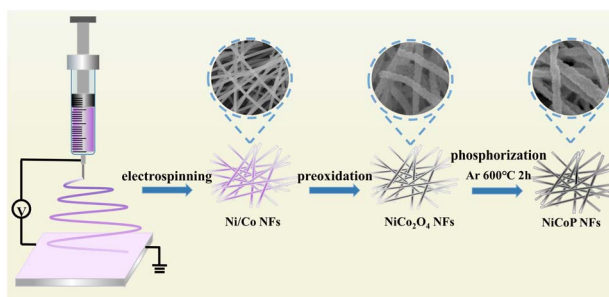


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Ni single-atom catalysts for highly efficient electrocatalytic CO2 reduction: hierarchical porous carbon as a support and plasma modification

Qiulin Ye, Yaqi Peng,* Dongdong Wang, Jiabao Lv, Yaoyue Yang, Yue Liu, Zhifu Qi, Songqiang Zhu, Chunliang Ge, Yan Yang, Angjian Wu* and Shengyong Lu*





One-dimensional nickel–cobalt bimetallic phosphide nanostructures for the oxygen evolution reaction

Yue Wang, Xin Chang, Zexing Huang, Jiahui Fan, Lu Li* and Mingyi Zhang*

