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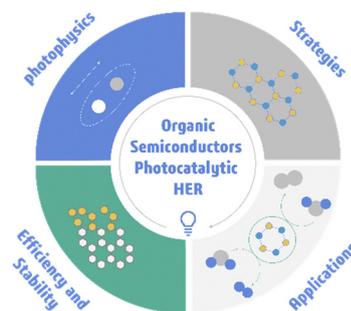
See Wenzhen Li, Shuang Gu *et al.*, pp. 504–515. Image reproduced by permission of Wenzhen Li and Shuang Gu from *EES Catal.*, 2023, 1, 504.

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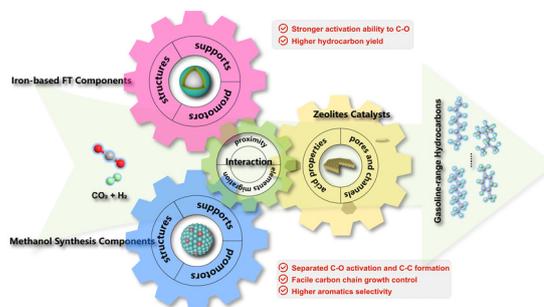
Yan Guo, Qixin Zhou, Bowen Zhu, Chuyang Y. Tang* and Yongfa Zhu*



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A review of the recent progress on direct heterogeneous catalytic CO₂ hydrogenation to gasoline-range hydrocarbons

Xin Shang, Guodong Liu, Xiong Su,* Yanqiang Huang* and Tao Zhang



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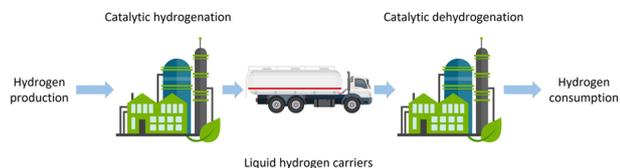
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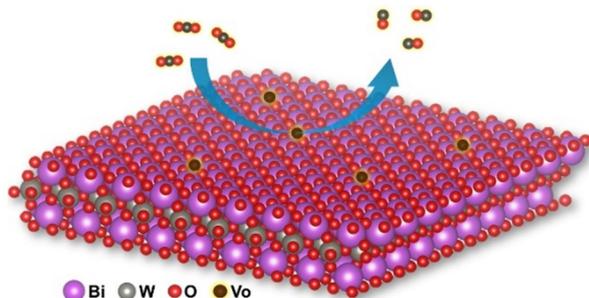


Catalytic hydrogen storage in liquid hydrogen carriers

Yuwen Ni, Zhe Han,* Yuchao Chai, Guangjun Wu and Landong Li*

COMMUNICATION

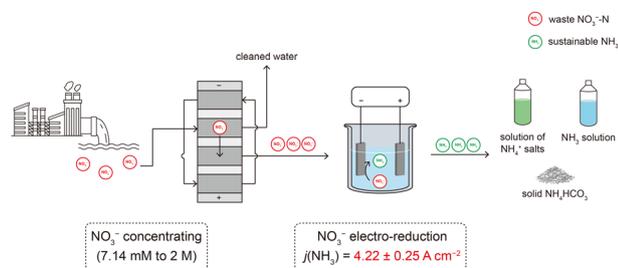
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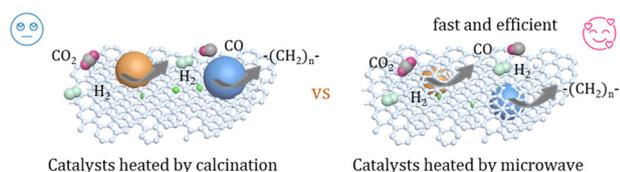
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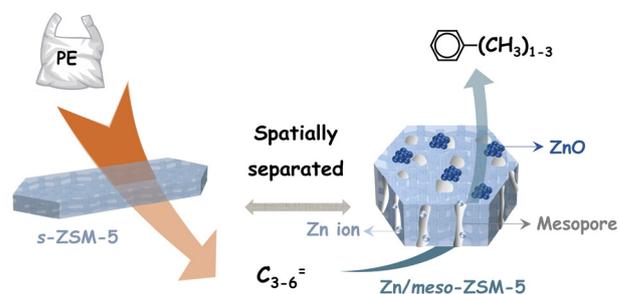
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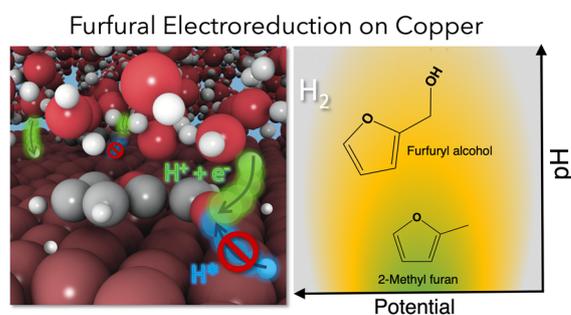
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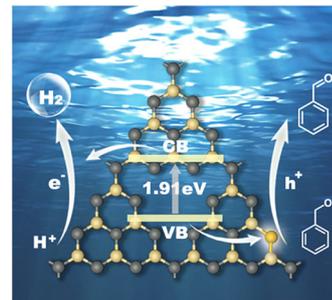
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Electron-rich pyrimidine rings enabling crystalline carbon nitride for high-efficiency photocatalytic hydrogen evolution coupled with benzyl alcohol selective oxidation

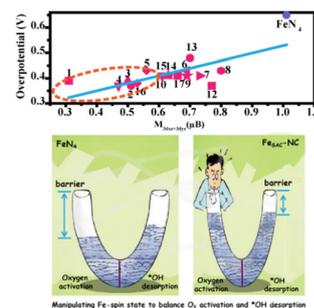
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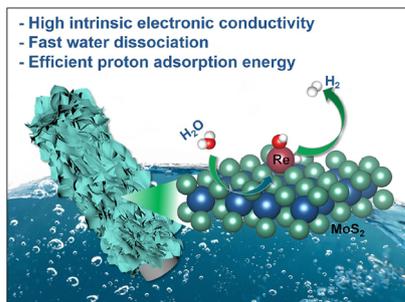


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Manipulating the spin state to activate the atomically dispersed Fe–N–C catalyst for oxygen reduction

Fan Liu, Chengxiang Shi, Lun Pan, Zhen-Feng Huang,* Xiangwen Zhang and Ji-Jun Zou*





Single-atomic rhenium-assisted 2H-to-1T phase transformation of MoS₂ nanosheets boosting electrocatalytic hydrogen evolution

Jianmin Yu, Yongteng Qian, Qing Wang, Chenliang Su, Hyoyoung Lee,* Lu Shang* and Tierui Zhang*

