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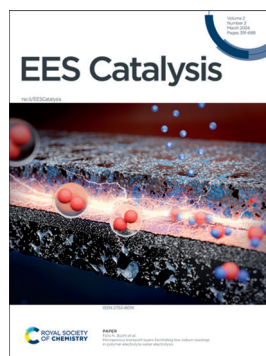
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See Tingjiang Yan, Na Li, Geoffrey A. Ozin *et al.*, pp. 573–584. Image reproduced by permission of Tingjiang Yan, Na Li and Geoffrey A. Ozin from *EES Catal.*, 2024, 2, 573.



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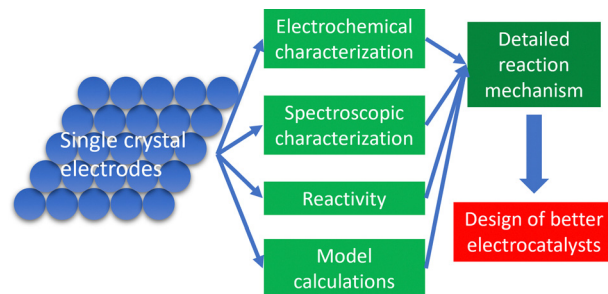
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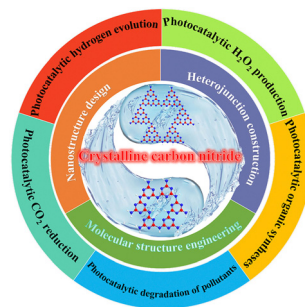
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Fundamental questions
Elemental answers

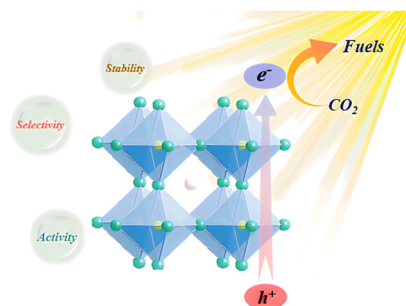


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Metal halide perovskites for CO₂ photoreduction: recent advances and future perspectives

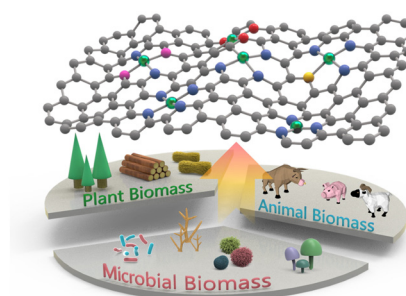
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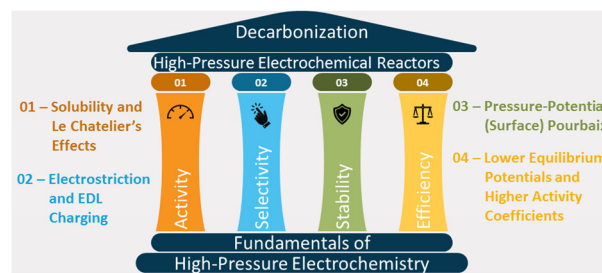


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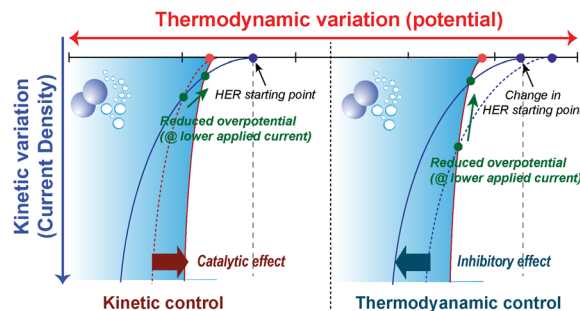
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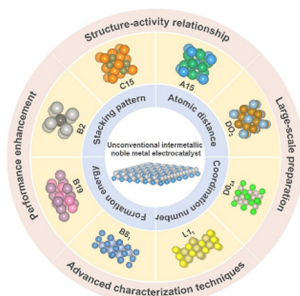
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Vithiya Muralidharan, S. Jayasubramanian and Hyun-Wook Lee*



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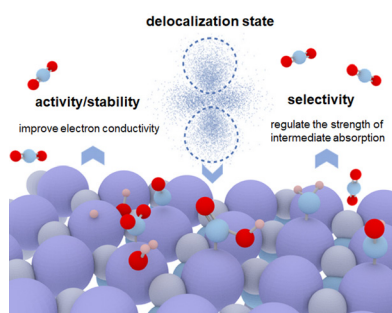
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Unconventional intermetallic noble metal nanocrystals for energy-conversion electrocatalysis

Zhu Huang Qin, Tanyuan Wang, Zhangyi Yao and Qing Li*

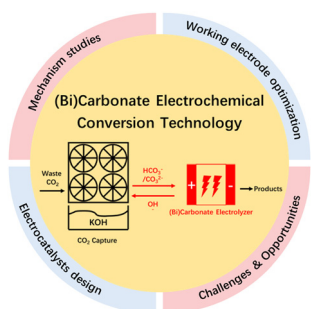
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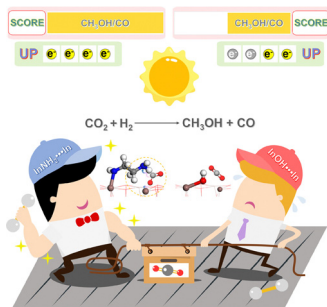


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Amine functionalized surface frustrated Lewis pairs boost CO₂ photocatalysis

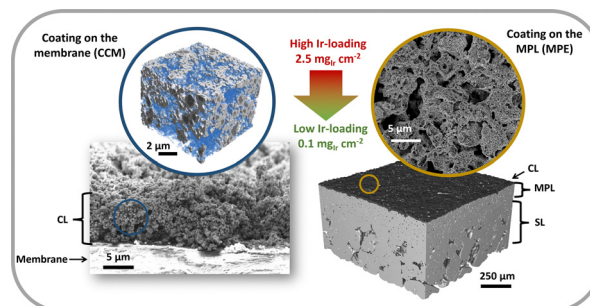
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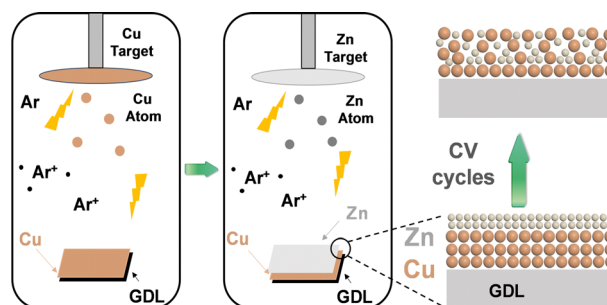
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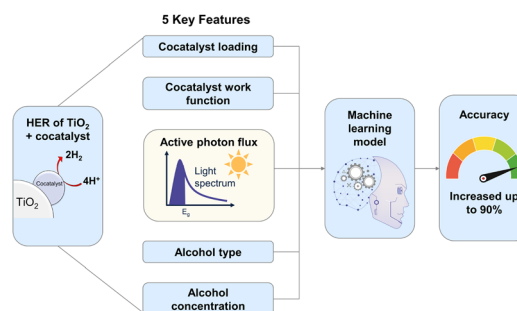
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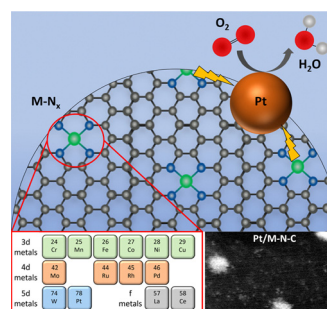
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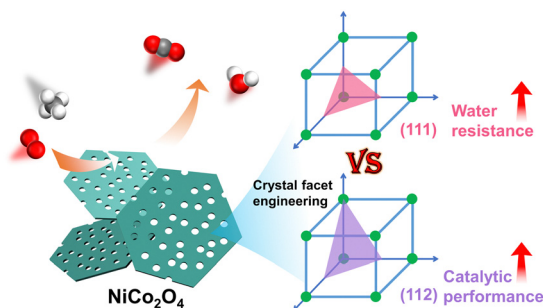
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Electrochemical trends of a hybrid platinum and metal–nitrogen–carbon catalyst library for the oxygen reduction reaction

Alvin Ly, Eamonn Murphy, Hanson Wang, Ying Huang, Giovanni Ferro, Shengyuan Guo, Tristan Asset, Yuanchao Liu, Iryna V. Zenyuk and Plamen Atanassov*



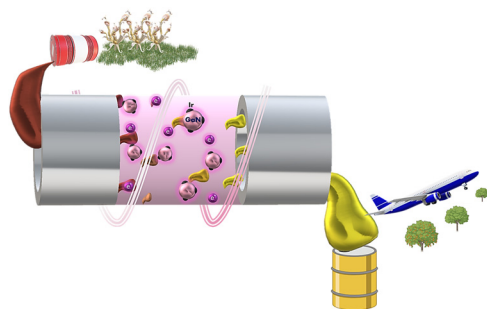
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Crystal facet engineering of spinel NiCo_2O_4 with enhanced activity and water resistance for tuneable catalytic methane oxidation

Yash Boyjoo, Yonggang Jin,^{*} Xin Mao, Guangyu Zhao, Thomas Gengenbach, Aijun Du, Hua Guo^{*} and Jian Liu^{*}

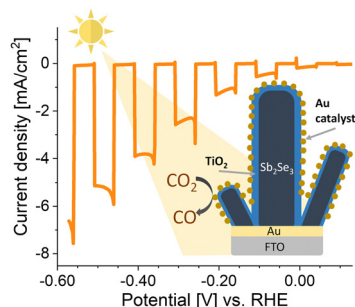
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Non-thermal plasma catalysis driven sustainable pyrolysis oil upgrading to jet fuel under near-ambient conditions

Hoang M. Nguyen, Ali Omidkar, Wenping Li, Zhaofei Li and Hua Song^{*}

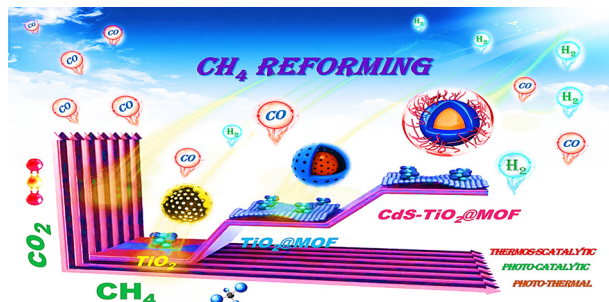
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Novel double-layer core-shell photocatalyst $\text{CdS-TiO}_2@NH_2\text{-MIL-101}$: enhanced conversion of CO_2 and CH_4 at ambient temperature

Yufei Huang, Ling Tan, Hanyu Ma, Xuan Wang, Yangqiang Huang,^{*} Jinping Yin, Zhiwu Liang^{*} and Xiao Luo^{*}

