

# EES Catalysis

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## IN THIS ISSUE

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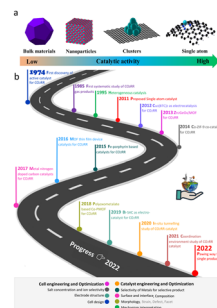
See Ryu Abe *et al.*,  
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2023, 1, 255.

## REVIEWS

179

### Clarifying the local microenvironment of metal–organic frameworks and their derivatives for electrochemical CO<sub>2</sub> reduction: advances and perspectives

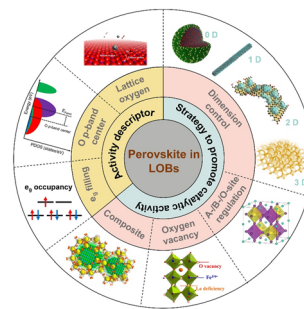
Muhammad Kashif Aslam, Kang Yang, Sheng Chen,\*  
Qiang Li\* and Jingjing Duan\*



230

### Recent advances in perovskite oxide electrocatalysts for Li–O<sub>2</sub> batteries

Lulu Lyu, Seonyong Cho and Yong-Mook Kang\*



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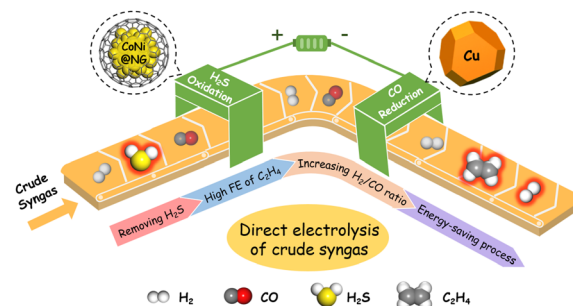


## COMMUNICATION

250

**Direct electrocatalytic conversion of crude syngas to ethylene via a multi-process coupled device**

Mo Zhang, Ruixue Chen, Suheng Wang, Yunchuan Tu, Xiaoju Cui\* and Dehui Deng\*

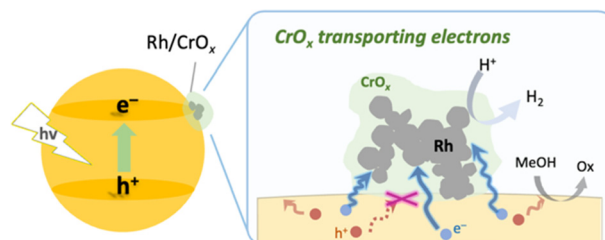


## PAPERS

255

**An unexplored role of the  $\text{CrO}_x$  shell in an elaborated  $\text{Rh}/\text{CrO}_x$  core-shell cocatalyst for photocatalytic water splitting: a selective electron transport pathway from semiconductors to core metals, boosting charge separation and  $\text{H}_2$  evolution**

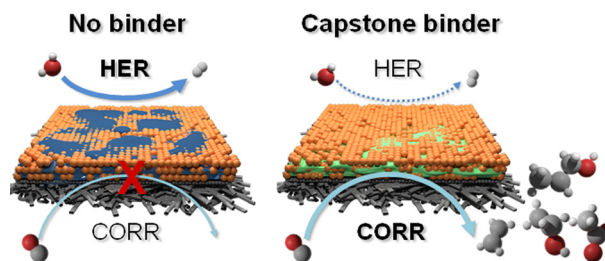
Tetsu Kotani, Kanta Ogawa, Hajime Suzuki, Kosaku Kato, Osamu Tomita, Akira Yamakata and Ryu Abe\*



263

**Local hydrophobicity allows high-performance electrochemical carbon monoxide reduction to  $\text{C}_{2+}$  products**

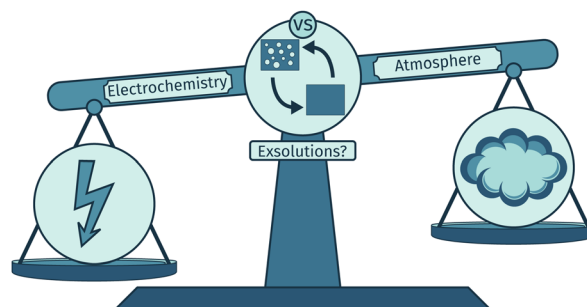
Attila Kormányos, Balázs Endrődi,\* Zheng Zhang, Angelika Samu, László Mérai, Gergely F. Samu, László Janovák and Csaba Janáky\*



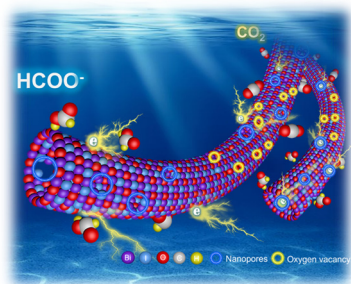
274

**Exsolved catalyst particles as a plaything of atmosphere and electrochemistry**

Harald Summerer,\* Andreas Nenning, Christoph Rameshan and Alexander K. Opitz



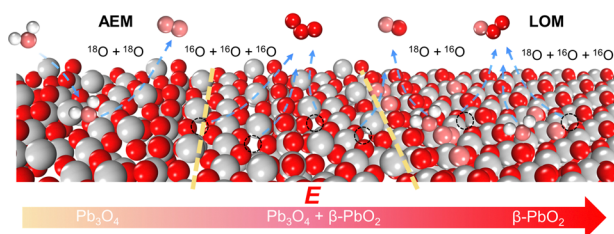
290



### Unlocking nanotubular bismuth oxyiodide toward carbon-neutral electro-synthesis

Peng-Fei Sui, Min-Rui Gao, Meng-Nan Zhu, Chenyu Xu, Yi-Cheng Wang, Subiao Liu and Jing-Li Luo\*

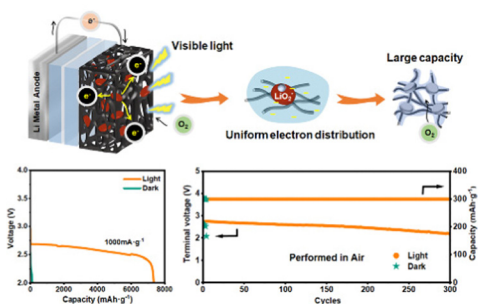
301



### Phase shuttling-enhanced electrochemical ozone production

Jia Liu, Shibin Wang, Zhangnv Yang, Chencheng Dai, Ge Feng, Beibei Wu, Wenwen Li, Lu Shu, Kamal Elouarzaki, Xiao Hu, Xiaonian Li, Hui Wang, Zhen Wang,\* Xing Zhong,\* Zhichuan J. Xu\* and Jianguo Wang\*

312



### Facet-engineered photoelectrochemical nanocatalysts toward fast kinetic lithium–air batteries

Yiqiao Wang, Siyuan Pan, Huan Li, Dewang Li, Yong Guo, Sijia Chi, Chuannan Geng, Shichao Wu\* and Quan-Hong Yang\*

