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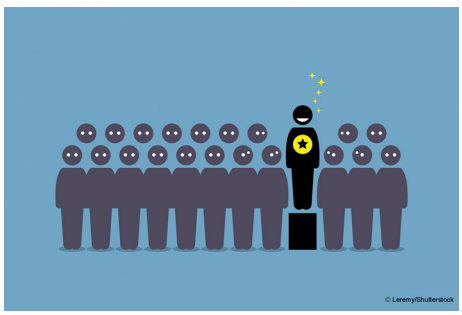
Outstanding Reviewers for *Energy & Environmental Science* in 2022



OPINION

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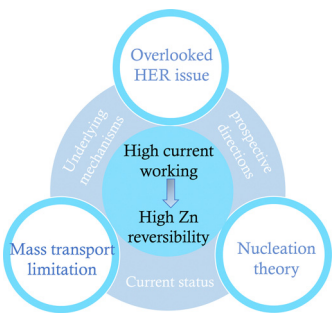
High reversibility at high current density: the zinc electrodeposition principle behind the "trick"

Yang Yang, Huijun Yang,* Ruijie Zhu and Haoshen Zhou*



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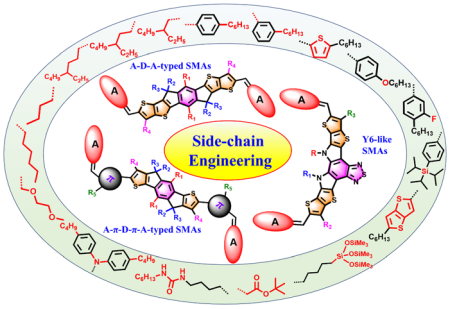
Zhenghui Luo,* Tongle Xu, Cai'e Zhang and Chuluo Yang*



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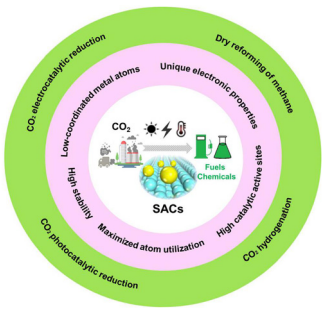
Shunwu Wang, Ligang Wang, Dingsheng Wang and Yadong Li*



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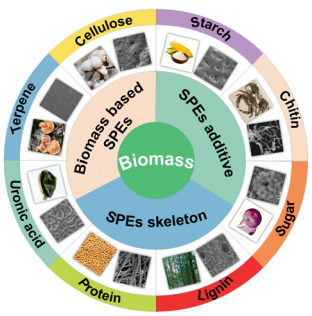
Designing biomass-integrated solid polymer electrolytes for safe and energy-dense lithium metal batteries

Ouwei Sheng,* Chengbin Jin,* Tao Yang, Zhijin Ju, Jianmin Luo and Xinyong Tao*



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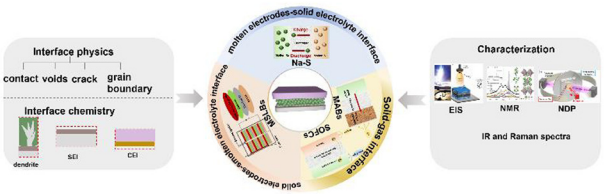

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Xiang Xiao, Li Wang,* Yingqiang Wu, Youzhi Song, Zonghai Chen* and Xiangming He*

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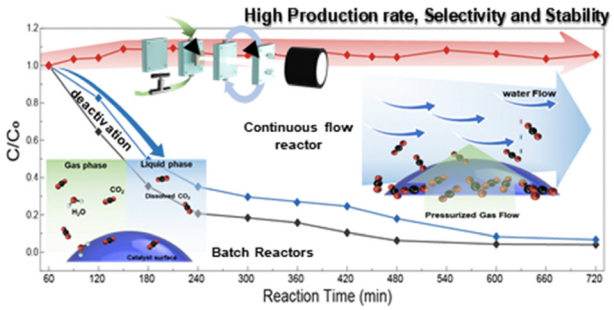

Continuous-flow reactor with superior production rate and stability for CO_2 reduction using semiconductor photocatalysts

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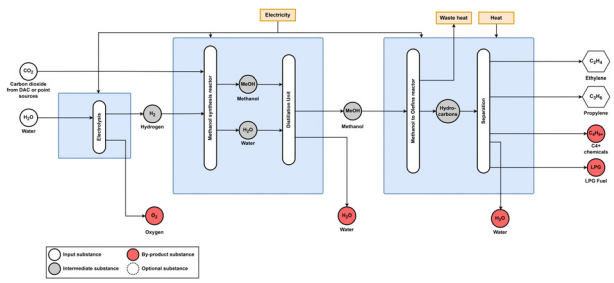

From fossil to green chemicals: sustainable pathways and new carbon feedstocks for the global chemical industry

Gabriel Lopez,* Dominik Keiner, Mahdi Fasihi, Tuomas Koiranen and Christian Breyer

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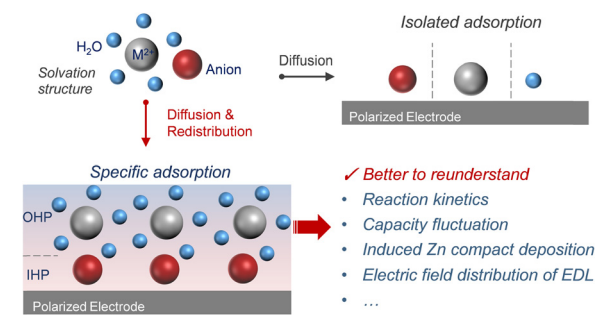

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Hang Yang, Duo Chen,* Ruizheng Zhao, Gaoyang Li, Hao Xu, Li Li, Xin Liu, Guangshe Li, Dongliang Chao and Wei Han*

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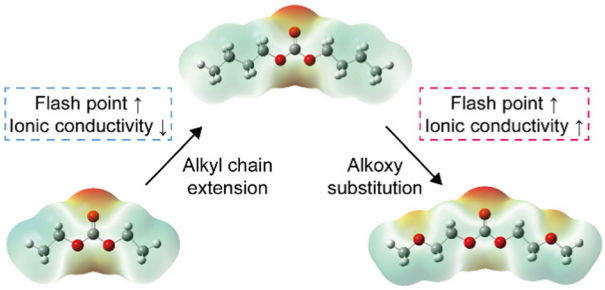
Jina Lee, A-Re Jeon, Hye Jin Lee, Ukseon Shin, Yiseul Yoo, Hee-Dae Lim, Cheolhee Han, Hochun Lee, Yong Jin Kim, Jayeon Baek,* Dong-Hwa Seo* and Minah Lee*



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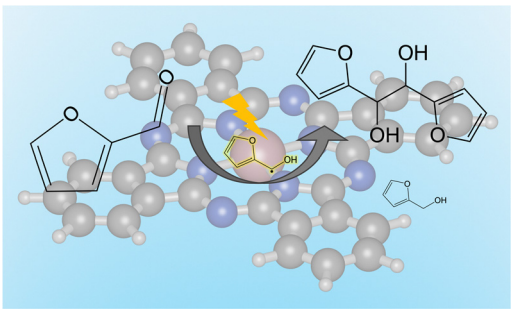

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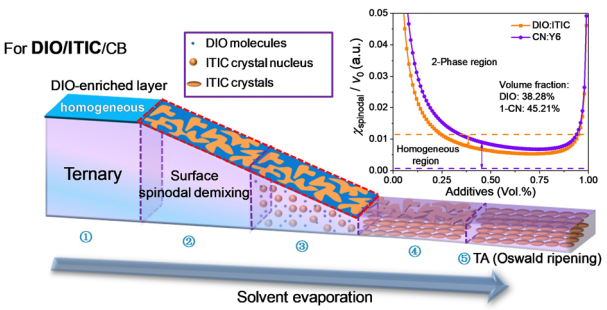
Surface crystallinity enhancement in organic solar cells induced by spinodal demixing of acceptors and additives

Zichao Shen, Jinde Yu,* Guanyu Lu, Keming Wu, Qingyu Wang, Laju Bu, Xinfeng Liu, Yuanwei Zhu* and Guanghao Lu*



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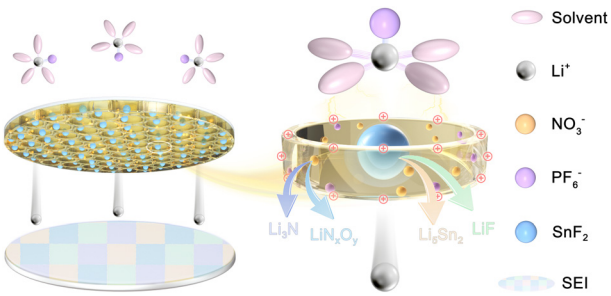
A separator rich in SnF_2 and NO_3^- directs an ultra-stable interface toward high performance Li metal batteries

Yucheng Wen, Jieying Ding, Jun Liu, Min Zhu and Renzong Hu*



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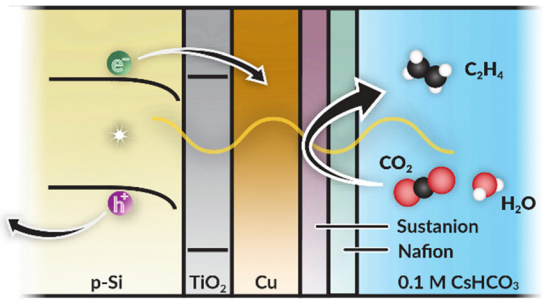

Codesign of an integrated metal–insulator–semiconductor photocathode for photoelectrochemical reduction of CO_2 to ethylene

Chanyeon Kim, Alex J. King, Shaul Aloni, Francesca M. Toma, Adam Z. Weber and Alexis T. Bell*

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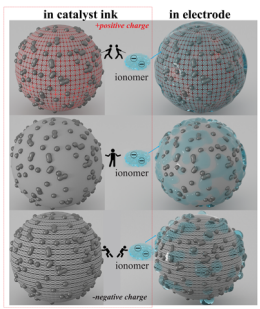

Unraveling the core of fuel cell performance: engineering the ionomer/catalyst interface

Chenzhao Li, Kang Yu, Ashley Bird, Fei Guo, Jan Ilavsky, Yadong Liu, David A. Cullen, Ahmet Kusoglu, Adam Z. Weber, Paulo J. Ferreira and Jian Xie*

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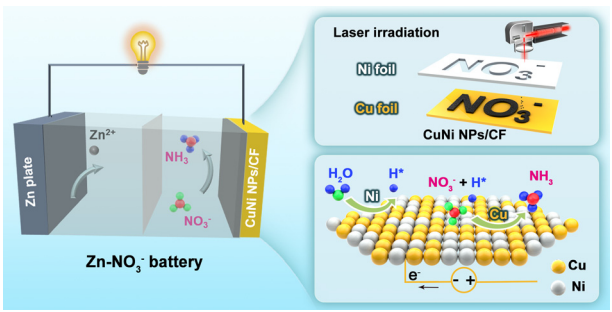

Laser-controlled tandem catalytic sites of CuNi alloys with ampere-level electrocatalytic nitrate-to-ammonia reduction activities for Zn–nitrate batteries

Wanqiang Yu, Jiayuan Yu, Man Huang, Yujie Wang, Yijie Wang, Jiawei Li, Hong Liu and Weijia Zhou*

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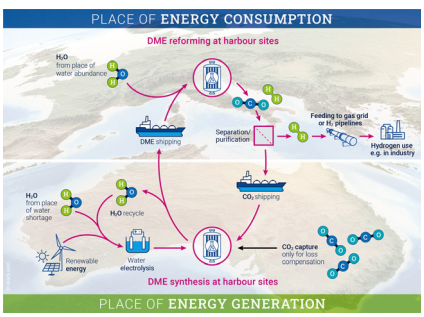

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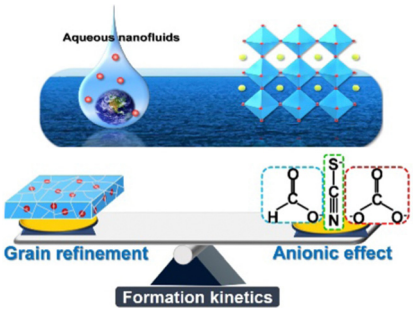
Peng Zhai,* Lixia Ren,* Yanrui Zhang, Zhuo Xu, Yin Wu, Kui Zhao, Lu Zhang and Shengzhong (Frank) Liu*



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Embedded, micro-interdigitated flow fields in high areal-loading intercalation electrodes towards seawater desalination and beyond

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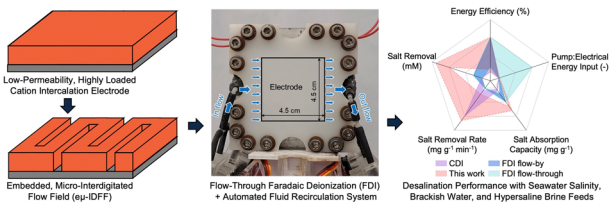

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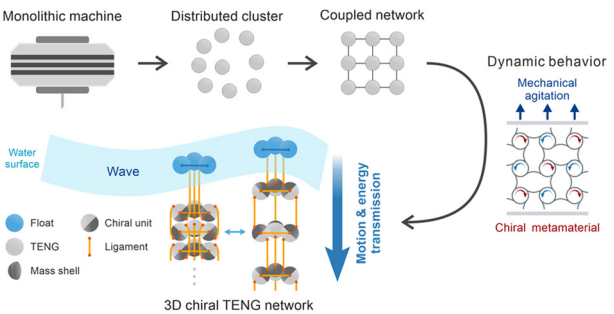
Three-dimensional chiral networks of triboelectric nanogenerators inspired by metamaterial's structure

Xianye Li, Liang Xu,* Pei Lin,* Xiaodan Yang, Huamei Wang, Huaifang Qin and Zhong Lin Wang*



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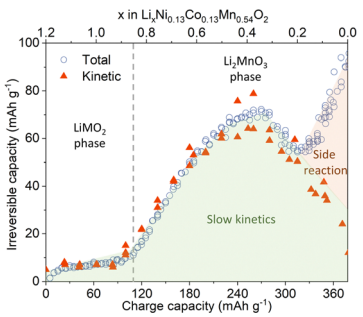
Liang Fang, Daseul Han, Seongkoo Kang, Un-Seon Heo, Kyung-Wan Nam* and Yong-Mook Kang*



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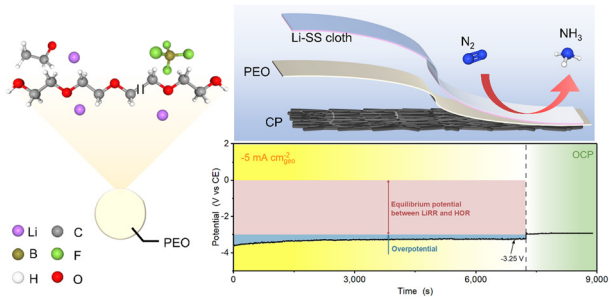

Membrane electrode assembly design for lithium-mediated electrochemical nitrogen reduction

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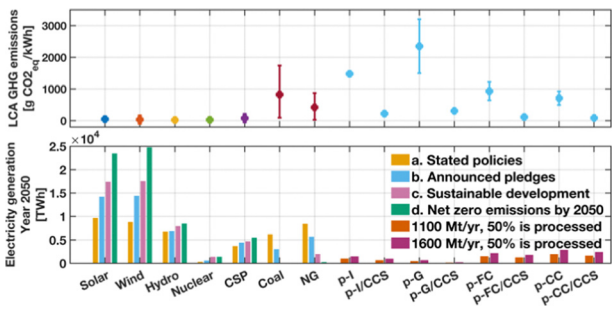

Nonviable carbon neutrality with plastic waste-to-energy

Serang Kwon, Jieun Kang, Beomhui Lee, Soonwook Hong, Yongseok Jeon, Moonsoo Bak and Seong-kyun Im*

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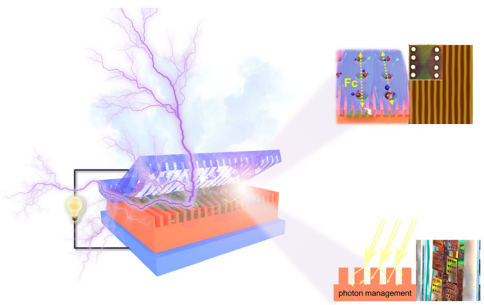

Self-induced interface enhanced moisture-harvesting and light-trapping toward high performance electric power generation

Jiaxin Bai, Qihua Liao, Houze Yao, Tianlei Guang, Tiancheng He, Huhu Cheng and Liangti Qu*

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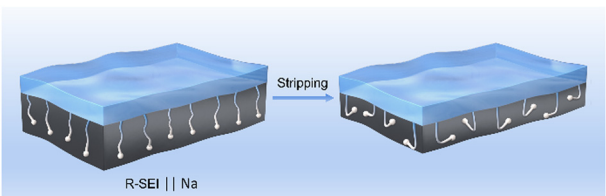

A rooted interphase on sodium *via in situ* pre-implantation of fluorine atoms for high-performance sodium metal batteries

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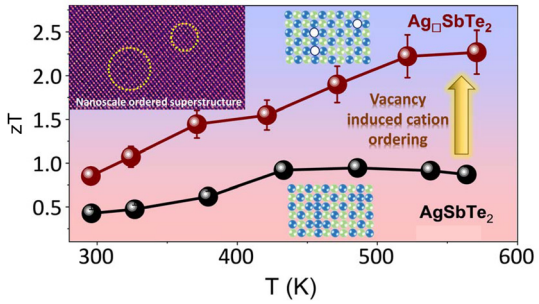
Riddhimoy Pathak, Lin Xie, Subarna Das, Tanmoy Ghosh, Animesh Bhui, Kapildeb Dolui, Dirtha Sanyal, Jiaqing He and Kanishka Biswas*



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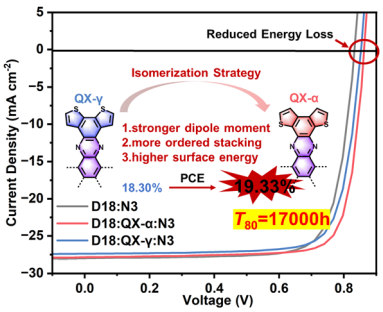
Isomerization strategy on a non-fullerene guest acceptor for stable organic solar cells with over 19% efficiency

Zhenyu Chen, Jintao Zhu, Daobin Yang,* Wei Song,* Jingyu Shi, Jinfeng Ge, Yuntong Guo, Xinyu Tong, Fei Chen and Ziyi Ge*



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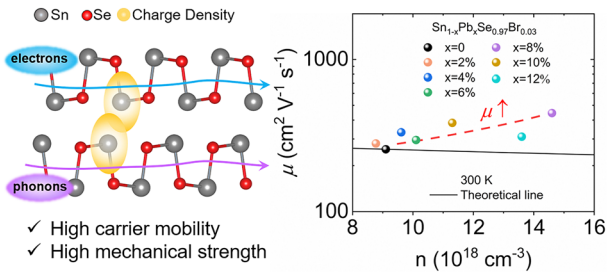
Haonan Shi, Lizhong Su, Shulin Bai, Bingchao Qin, Yuping Wang, Shan Liu, Cheng Chang* and Li-Dong Zhao*



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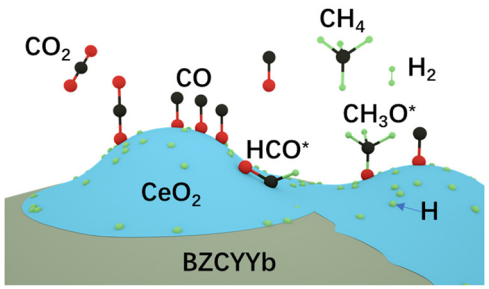

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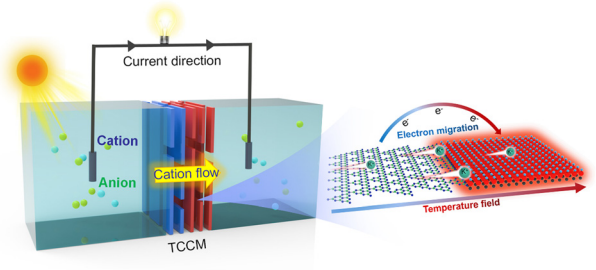

Efficient solar energy conversion *via* bionic sunlight-driven ion transport boosted by synergistic photo-electric/thermal effects

Jin Wang,* Di Wang, Zeyuan Song, Na Jiang, Shangzhen Li, Yufei Zhang,* Bo Huang, Huijiao Zhou, Zheng Cui and Lei Wang*

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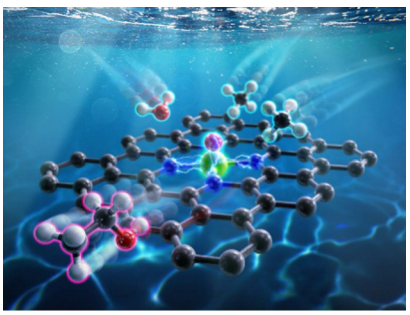

Boosting electrochemical methane conversion by oxygen evolution reactions on Fe–N–C single atom catalysts

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