

# Journal of Materials Chemistry A

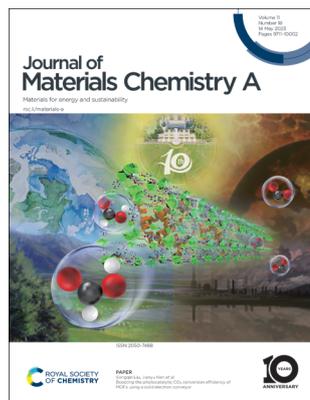
Materials for energy and sustainability

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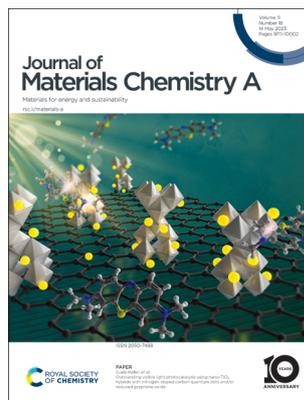
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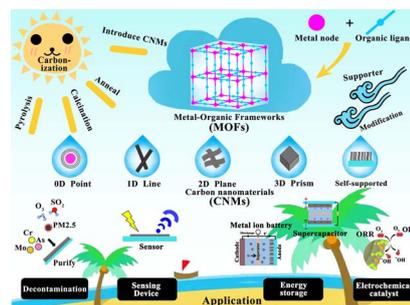
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# Journal of Materials Chemistry A

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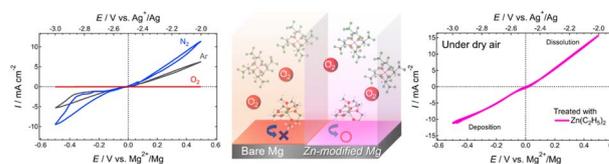
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### Oxygen – a fatal impurity for reversible magnesium deposition/dissolution

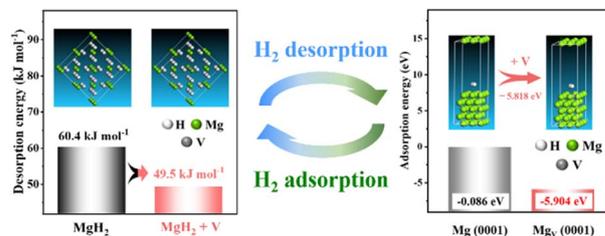
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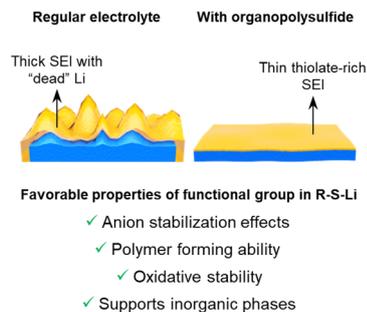
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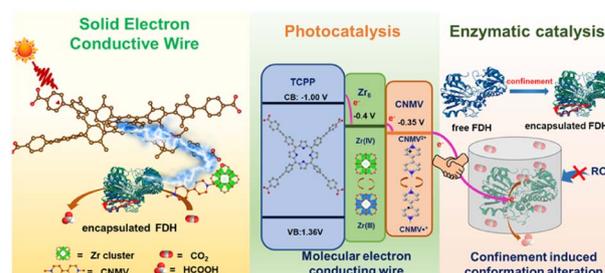
Amruth Bhargav, Hooman Yaghoobnejad Asl and Arumugam Manthiram\*



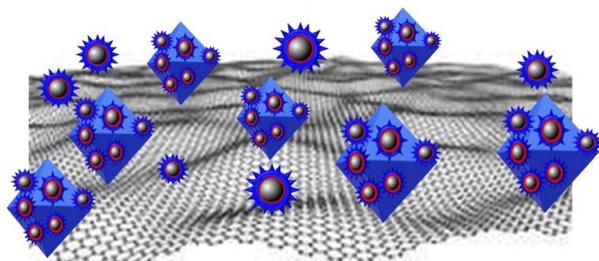
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Xiaofei Gu, Tianyi Huang, Yixin Hong, Yafeng Wu, Zhi Wang, Yuanjian Zhang, Songqin Liu\* and Jianyu Han\*



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Ioan-Alexandru Baragau, John Buckeridge, Kiem G. Nguyen, Tobias Heil, Muhammad Tariq Sajjad, Stuart A. J. Thomson, Alistair Rennie, David J. Morgan, Nicholas P. Power, Sabina Alexandra Nicolae, Maria-Magdalena Titirici, Steve Dunn and Suela Kellici\*

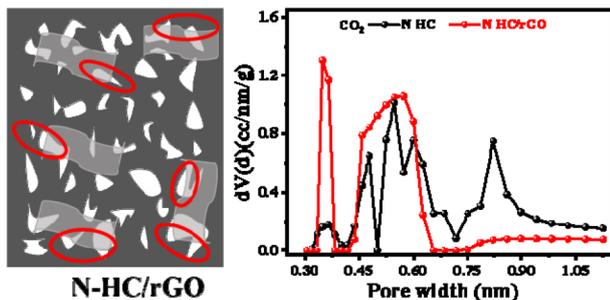
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N-HC/rGO

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Shengyuan Li, Hong Yuan, Chuanren Ye, Yizhe Wang, Long Wang, Kun Ni\* and Yanwu Zhu\*

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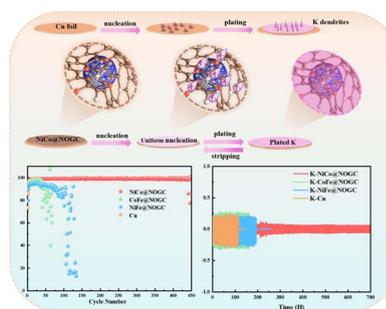
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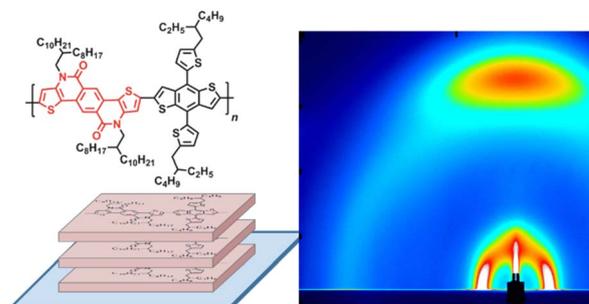
Qing Shen, Yibo He and Junjie Wang\*



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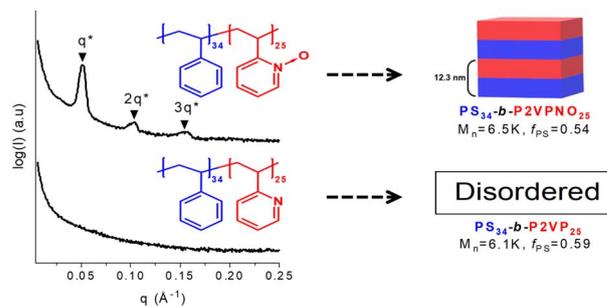
Narumi Sato, Sunbin Hwang, Yuichi Tsuchii and Takuma Yasuda\*



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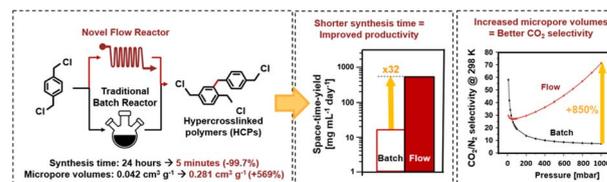
Polyxeni P. Angelopoulou, Logan T. Kearney, Jong K. Keum, Liam Collins, Rajeev Kumar, Georgios Sakellariou, Rigoberto C. Advincula, Jimmy W. Mays\* and Kuntun Hong\*



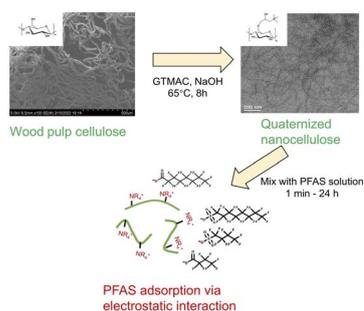
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Nadhita Chanchaona, Liang Ding, Shiliang Lin, Sulaiman Sarwar, Simone Dimartino, Ashleigh J. Fletcher, Daniel M. Dawson, Kristina Konstas, Matthew R. Hill and Cher Hon Lau\*



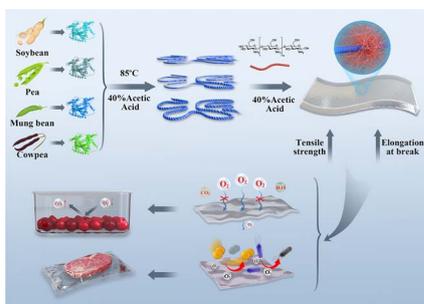
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Duning Li, Cheng-Shiuan Lee, Yi Zhang, Rasel Das, Fahmida Akter, Arjun K. Venkatesan\* and Benjamin S. Hsiao\*

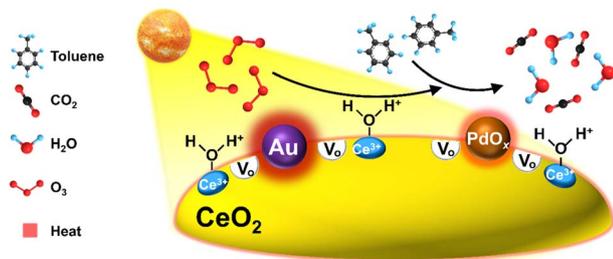
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### Protein fibrillation and hybridization with polysaccharides enhance strength, toughness, and gas selectivity of bioplastic packaging

Yeyang Zhang, Yingqun Nian, Qixin Shi and Bing Hu\*

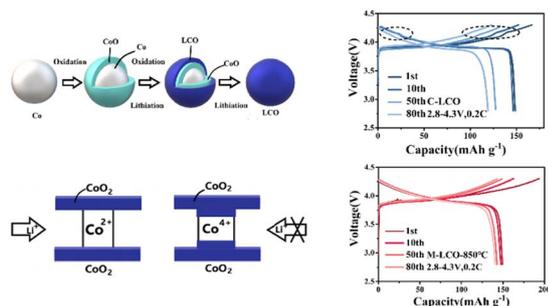
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Junxian Gao, Zhizhang Shen, Yuming Dong, Zhenyu Wang, Jinze Lyu,\* Ji Li\* and Han-Qing Yu\*

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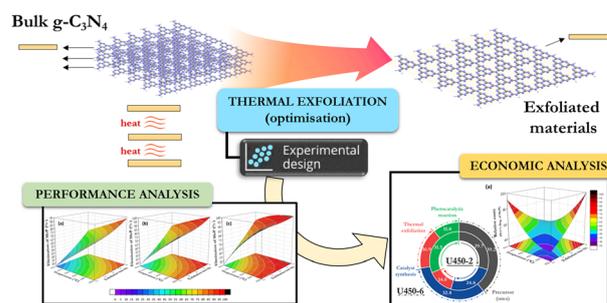
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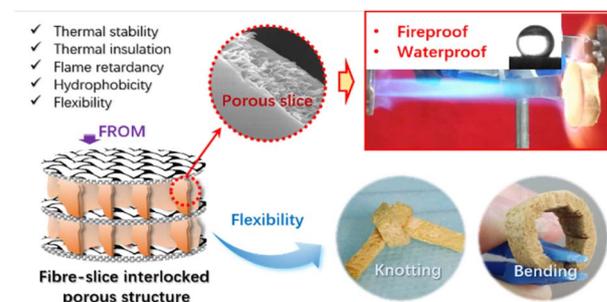
Jorge Plaza, Amaya Arencibia and María José López-Muñoz\*



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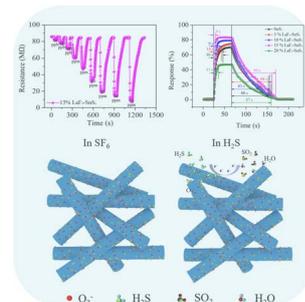
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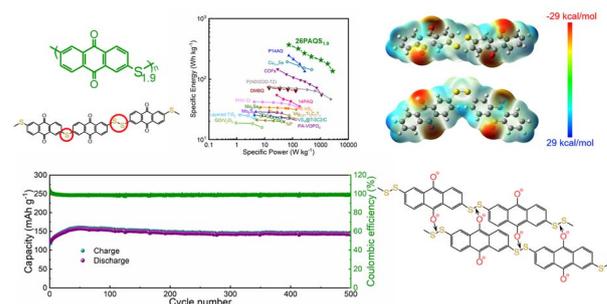
Mingcong Tang, Zijian Wang, Dongyue Wang, Ruiyuan Mao, Hao Zhang, Wei Xu, Zhe Yang\* and Dongzhi Zhang\*



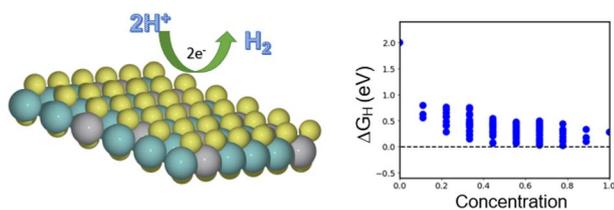
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Xin Ren, Donggang Tao, Yudi Tang, Yuliang Cao and Fei Xu\*



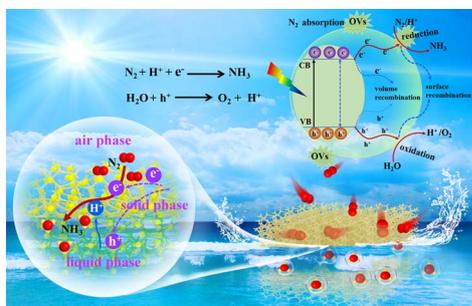
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**Basal plane activation of two-dimensional transition metal dichalcogenides via alloying for the hydrogen evolution reaction: first-principles calculations and machine learning prediction**

Yiqing Chen, Ying Zhao, Pengfei Ou\* and Jun Song\*

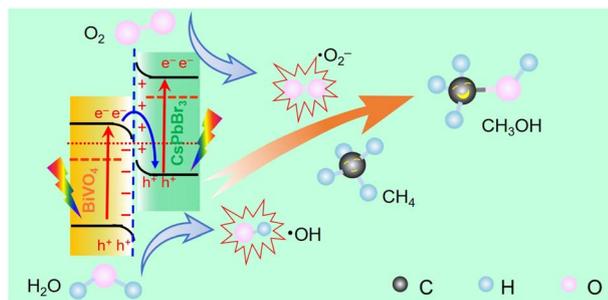
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**A bioinspired floatable system with a 3D sandwich-type triphase interface for highly efficient nitrogen fixation**

Xiuyan Wang, Xinjian Shi, Shengyan Yin, Ping She, Jiaqi Zheng, Yudong Song and Hang Sun\*

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Guang-Xing Dong, Meng-Ran Zhang, Ke Su, Zhao-Lei Liu, Min Zhang\* and Tong-Bu Lu\*

