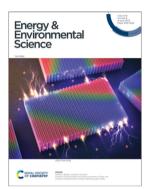
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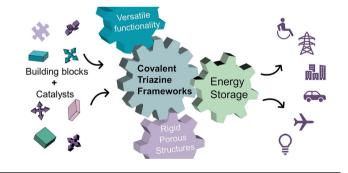
See Gonzalo Guillén-Gosálbez, Javier Pérez-Ramírez et al., pp. 3314-3330. Image reproduced by permission of . Javier Pérez-Ramírez from Energy Environ. Sci., 2023, 16, 3314.

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Regulating the electronic structure of manganese-based materials to optimize the performance of zinc-ion batteries

Anqi Zhang, Ran Zhao,* Yahui Wang, JingJing Yang, Chuan Wu* and Ying Bai*

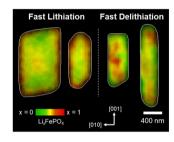


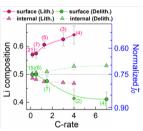
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Dynamic surface phases controlling asymmetry of high-rate lithiation and delithiation in phase-separating electrodes

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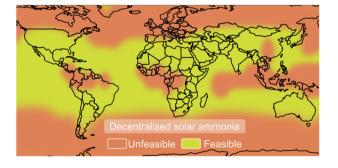




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Environmental and economic potential of decentralised electrocatalytic ammonia synthesis powered by solar energy

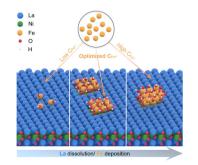
Sebastiano C. D'Angelo, Antonio J. Martín, Selene Cobo, Diego Freire Ordóñez, Gonzalo Guillén-Gosálbez* and Javier Pérez-Ramírez*

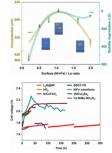


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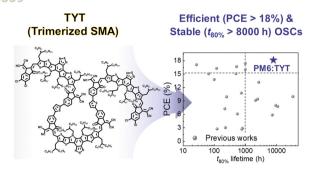
Tailoring the surface cation configuration of Ruddlesden-Popper perovskites for controllable water oxidation performance

Yu Li, Gao Chen,* Hsiao-Chien Chen, Yanping Zhu, Liangshuang Fei, Longwei Xu, Tiancheng Liu, Jie Dai, Haitao Huang, Wei Zhou* and Zongping Shao*





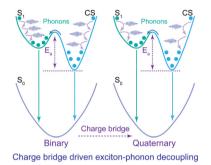
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Trimerized small-molecule acceptors enable high-performance organic solar cells with high open-circuit voltage and prolonged life-time

Jin-Woo Lee, Cheng Sun, Tan Ngoc-Lan Phan, Dong Chan Lee, Zhengping Tan, Hyesu Jeon, Shinuk Cho, Soon-Ki Kwon, Yun-Hi Kim* and Bumjoon J. Kim*

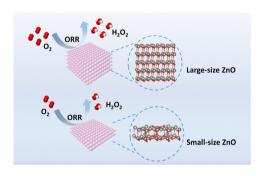
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Dredging photocarrier trapping pathways *via* "charge bridge" driven exciton—phonon decoupling enables efficient and photothermal stable quaternary organic solar cells

Kangning Zhang, Zhinan Jiang, Jiawei Qiao, Peng Lu, Chaochao Qin, Hang Yin, Xiaoyan Du, Wei Qin and Xiaotao Hao*

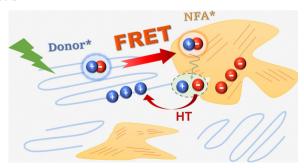
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An abnormal size effect enables ampere-level O_2 electroreduction to hydrogen peroxide in neutral electrolytes

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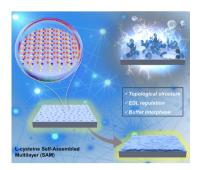
Ultrafast energy transfer from polymer donors facilitating spectral uniform photocurrent generation and low energy loss in high-efficiency nonfullerene organic solar cells

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Self-assembled multilayers direct a buffer interphase for long-life aqueous zinc-ion batteries

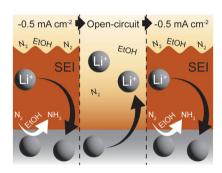
Dongmin Li, Yan Tang, Shuguan Liang, Bingan Lu, Gen Chen* and Jiang Zhou*



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Combined, time-resolved, in situ neutron reflectometry and X-ray diffraction analysis of dynamic SEI formation during electrochemical N₂ reduction

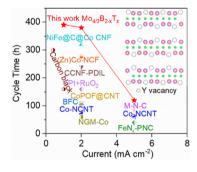
Sarah J. Blair, Mathieu Doucet,* Valerie A. Niemann, Kevin H. Stone, Melissa E. Kreider, James F. Browning, Candice E. Halbert, Hanyu Wang, Peter Benedek, Eric J. McShane, Adam C. Nielander,* Alessandro Gallo* and Thomas F. Jaramillo*



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MBene promoted Zn peroxide chemistry in rechargeable near-neutral Zn-air batteries

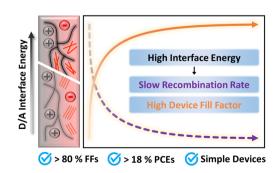
Yue Hou, Ze Chen, Xinliang Li, Yiqiao Wang, Pei Li, Huilin Cui, Rong Zhang, Shuo Yang, Shaoce Zhang and Chunyi Zhi*



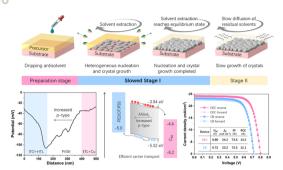
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Interface property-functionality interplay suppresses bimolecular recombination facilitating above 18% efficiency organic solar cells embracing simplistic fabrication

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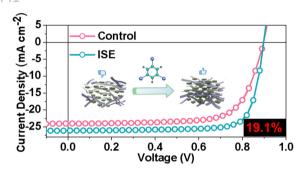
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Green-antisolvent-regulated distribution of p-type self-doping enables tin perovskite solar cells with an efficiency of over 14%

Zhihao Zhang, Yuanfang Huang, Can Wang, Yiting Jiang, Jialun Jin, Jianbin Xu, Zicheng Li, Zhenhuang Su, Qin Zhou, Jingwei Zhu, Rui He, Da Hou, Huagui Lai, Shengqiang Ren,* Cong Chen, Xingyu Gao, Tingting Shi, Walter Hu, Fan Fu, Peng Gao and Dewei Zhao*

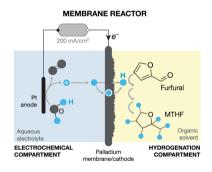
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Film-formation dynamics coordinated by intermediate state engineering enables efficient thickness-insensitive organic solar cells

Xin Song,* Hao Xu, Xinyu Jiang, Shengzheng Gao, Xinjie Zhou, Shanlei Xu, Junjun Li, Jian Yu, Wenzhu Liu, Weiguo Zhu* and Peter Müller-Buschbaum

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Mia D. Stankovic, Jessica F. Sperryn, Roxanna S. Delima, Connor C. Rupnow, Michael B. Rooney, Monika Stolar and Curtis P. Berlinguette*

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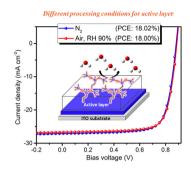
Efficient interfacial electron transfer induced by hollow-structured ZnIn₂S₄ for extending hot electron lifetimes

Yuchen Guo, Jiaming Sun, Yuan Tang, Xiaofang Jia, Yu Nie, Zikang Geng, Chunyang Wang, Junying Zhang,* Xin Tan, Dichang Zhong, Jinhua Ye* and Tao Yu*

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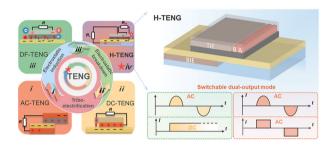
Haizhen Liu, Dong Yuan, Haiying Jiang, Suhan Li, Lianjie Zhang* and Junwu Chen*



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A novel hybrid triboelectric nanogenerator based on the mutual boosting effect of electrostatic induction and electrostatic breakdown

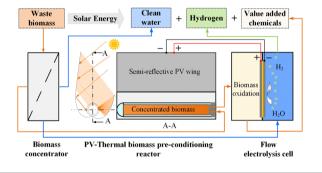
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A ternary system exploiting the full solar spectrum to generate renewable hydrogen from a waste biomass feedstock

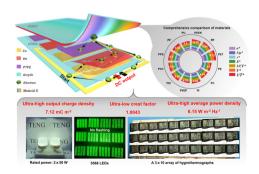
Qiyuan Li, Lixue Jiang, Gan Huang, Da-Wei Wang, Jack Shepherd, Rahman Daiyan, Christos N. Markides, Robert A. Taylor* and Jason Scott*



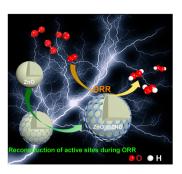
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Overall performance improvement of direct-current triboelectric nanogenerators by charge leakage and ternary dielectric evaluation

Qianying Li, Shaoke Fu, Xiaochuan Li, Huilin Chen, Wencong He, Qianxi Yang, Xuemei Zhang, Huake Yang, Dahu Ren and Yi Xi*



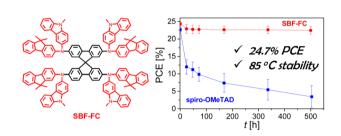
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Yunjie Zhou, Liang Xu, Jie Wu, Wenxiang Zhu, Tiwei He, Hao Yang, Hui Huang, Tao Cheng,* Yang Liu* and Zhenhui Kang*

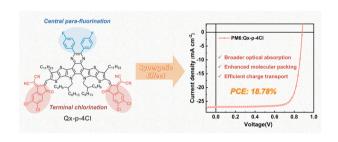
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Yutong Ren, Yuefang Wei, Tianyu Li, Yanfei Mu, Min Zhang, Yi Yuan, Jing Zhang and Peng Wang*

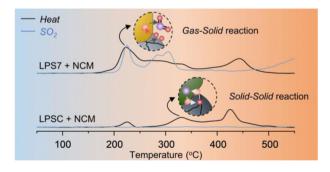
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Selective halogenation of central and end-units of nonfullerene acceptors enables enhanced molecular packing and photovoltaic performance

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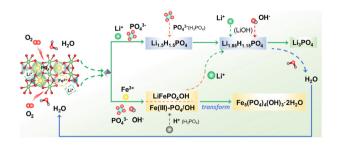
Distinct thermal runaway mechanisms of sulfide-based all-solid-state batteries

Xinyu Rui, Dongsheng Ren,* Xiang Liu,* Xiaodan Wang, Kuangyu Wang, Yao Lu, Linwei Li, Pengbo Wang, Gaolong Zhu, Yuqiong Mao, Xuning Feng, Languang Lu, Hewu Wang and Minggao Ouyang*

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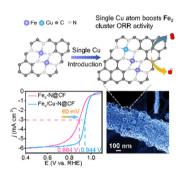
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Single Cu-N₄ sites enable atomic Fe clusters with high-performance oxygen reduction reactions

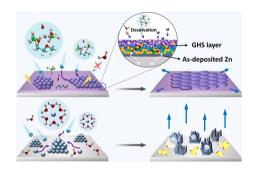
Shuwen Wu, Shang Jiang, Shao-Qing Liu, Xuehai Tan, Ning Chen, Jing-Li Luo, Samir H. Mushrif, Ken Cadien and Zhi Li*



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A eutectic electrolyte for an ultralong-lived Zn//V2O5 cell: an in situ generated gradient solid-electrolyte interphase

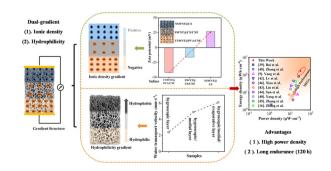
Chao Meng, Wei-Dong He, Hao Tan, Xing-Long Wu,* Hong Liu* and Jian-Jun Wang*



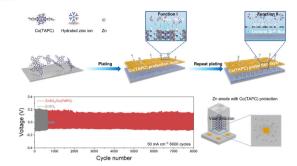
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Double-gradient-structured composite aerogels for ultra-high-performance moisture energy harvesting

Xuezhong Zhang, Zijian Dai, Jie Chen, Xin Chen, Xiong Lin, Shuang Yang, Kai Wu, Qiang Fu* and Hua Deng*



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Engineering an electrostatic field layer for high-rate and dendrite-free Zn metal anodes

Kaiping Zhu, Can Guo, Wenbin Gong, Qinghua Xiao, Yagang Yao, Kenneth Davey, Qinghong Wang,* Jianfeng Mao,* Pan Xue* and Zaiping Guo*