

# Energy Advances

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ISSN 2753-1457 CODEN EANDBJ 3(1) 1-332 (2024)



### Cover

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### Reflecting on a year of innovation and looking ahead: the exciting future of energy materials and green energy

Volker Presser

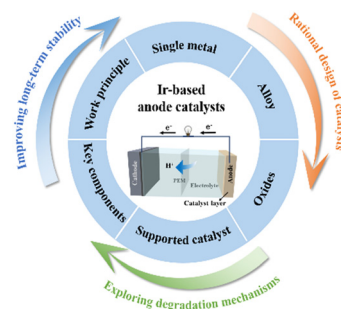


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Chunyan Wang and Ligang Feng\*



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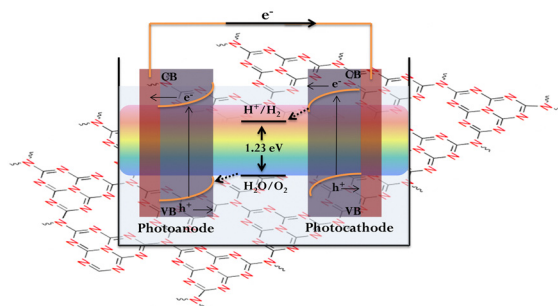
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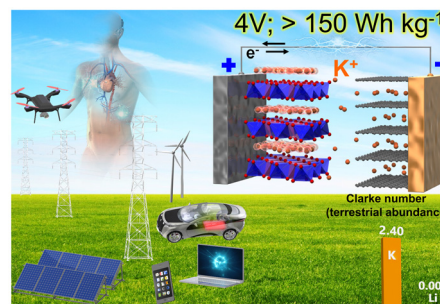


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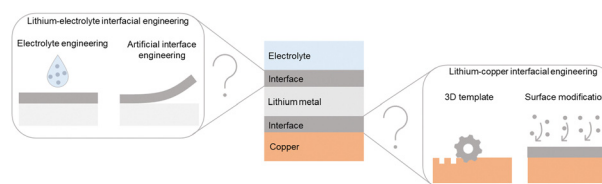
Titus Masese\* and Godwill Mbiti Kanyolo\*



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### Interfacial engineering of lithium metal anodes: what is left to uncover?

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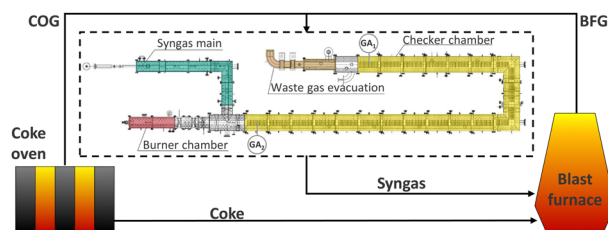


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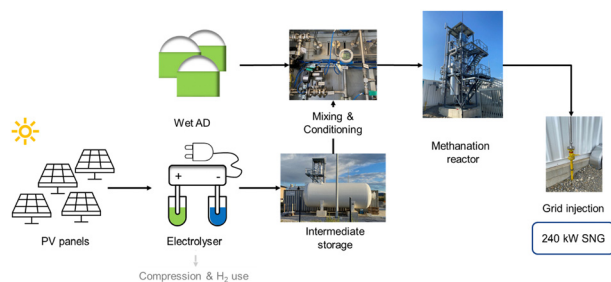
### Dry reforming of steelworks off-gases in a pilot plant integrated into a steel mill: influence of operating parameters

Philipp Blanck, Gilles Kass, Klaus Peter Kinzel and Olaf Deutschmann\*



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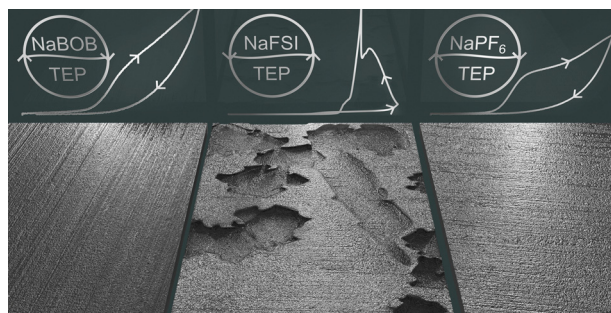


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Emanuele Moioli,\* Patrick Senn, Simon Østrup and Christoph Hütter

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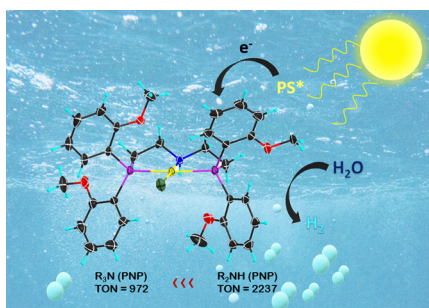


### Anodic dissolution of aluminum in non-aqueous electrolyte solutions for sodium-ion batteries

Lars Olow Simon Colbin, Charles Aram Hall, Ahmed S. Etman, Alexander Buckel, Leif Nyholm and Reza Younesi\*

## PAPERS

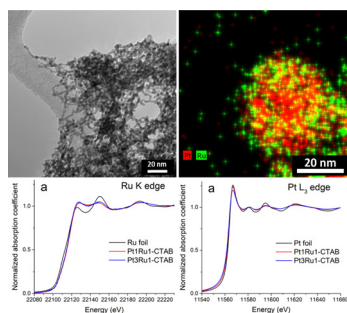
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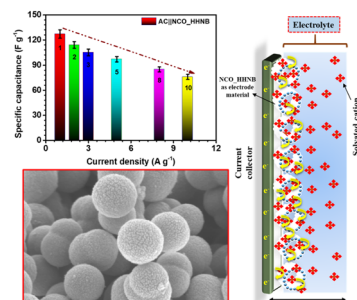
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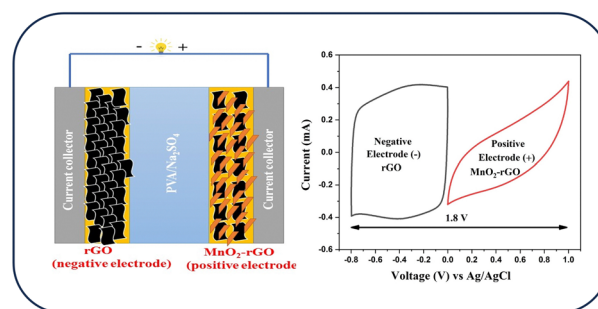
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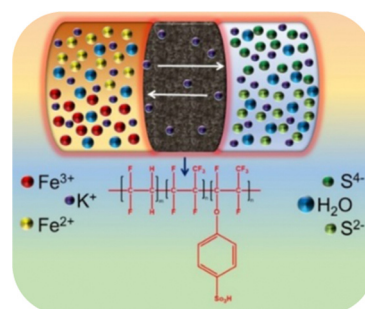
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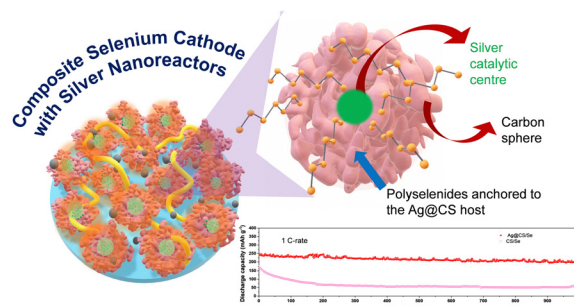
Sooraj Sreenath, Nayanthara P. S., Chetan M. Pawar, Anish Ash, Bhavana Bhatt, Vivek Verma and Rajaram K. Nagarale\*



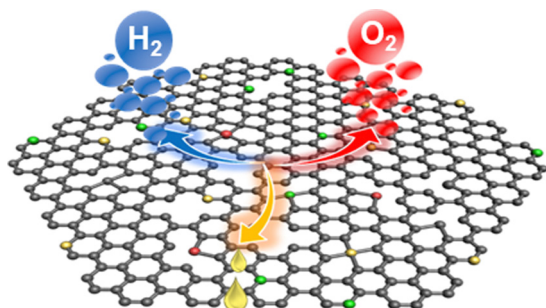
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Jahnvi M. Sudharma, Sreelakshmy K. Jayaprakash, Shruti Suriyakumar,\* Bhargav Rajbongshi and Manikoth M. Shaijumon\*



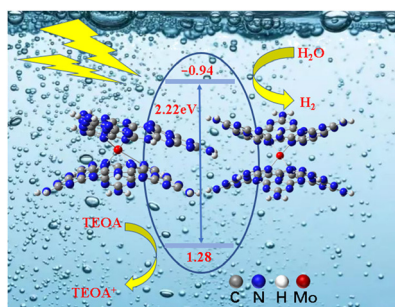
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### Three-dimensional N, P, and O tri-doped porous carbon for multifunctional electrocatalytic reactions

Lulu Chen, Yanan Zhang, Zhihui Liu, Liqiang Hou\* and Xien Liu\*

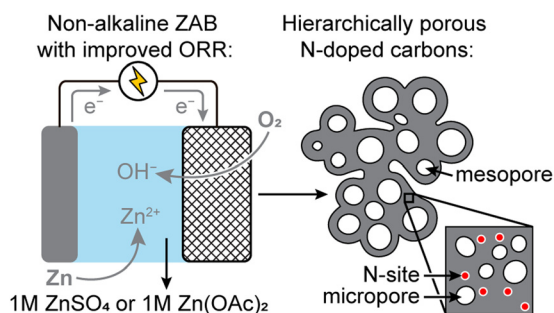
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### Boosting interlayer charge transfer in polymeric carbon nitride by Mo ions for efficient photocatalytic H<sub>2</sub> evolution

Feng Liu, Wencheng Li, Xi Rao,\* Shaohui Zheng\* and Yongping Zhang\*

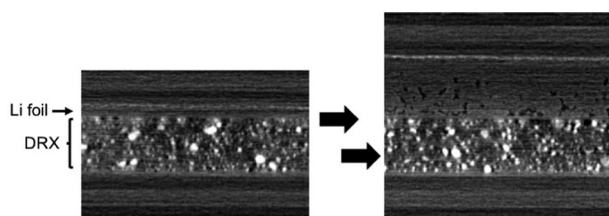
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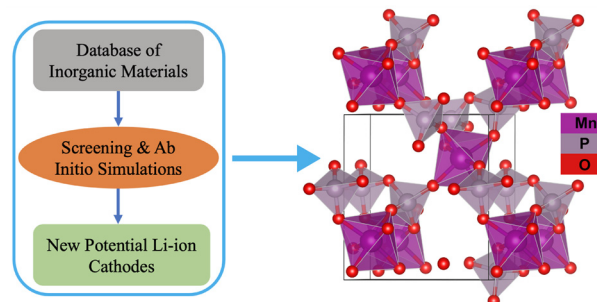
Jitraporn Saengkaew, Emiko Mizuki and Shoichi Matsuda\*



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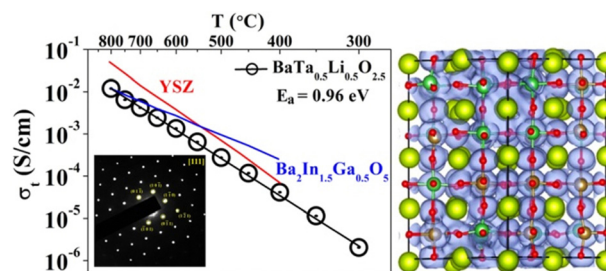
Haoming Howard Li, Jimmy-Xuan Shen and Kristin A. Persson\*



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Jungu Xu,\* Qin Cao, Lin Wang, Bin Ouyang,\* Tianjie Wei, Jiazheng Hao, Jie Chen, Lunhua He,\* Lajun Liu and Kevin Huang\*

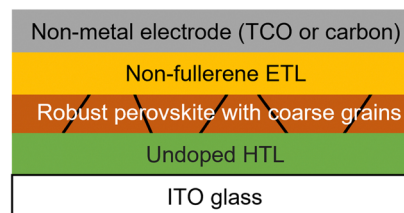


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### Strategies to improve the mechanical robustness of metal halide perovskite solar cells

Muzhi Li, Samuel Johnson, Lidon Gil-Escrig, Maayan Sohmer, Carlos A. Figueroa Morales, Hongki Kim, Siraj Sidhik, Aditya Mohite, Xiwen Gong, Lioz Etgar, Henk J. Bolink, Axel Palmstrom, Michael D. McGehee and Nicholas Rolston\*

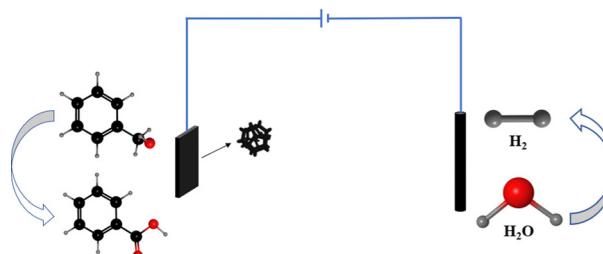
An ideal PSC structure with improved mechanical robustness



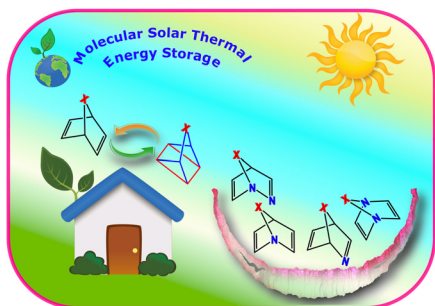
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Shunda Hu, Xiaoning Sun, Zimeng Liu, Lingfeng Gao,\* Xiaoli Li, Chunyu Yu, Xiangkang Han, Junfeng Xie\* and Xu Sun\*



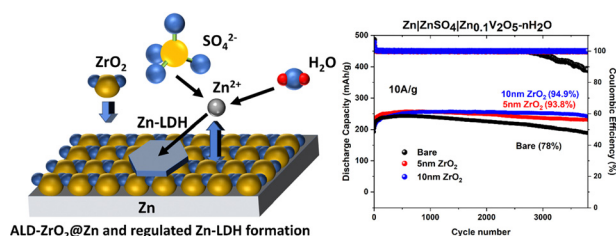
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Akanksha Ashok Sangolkar, Rama Krishna Kadiyam and Ravinder Pawar\*

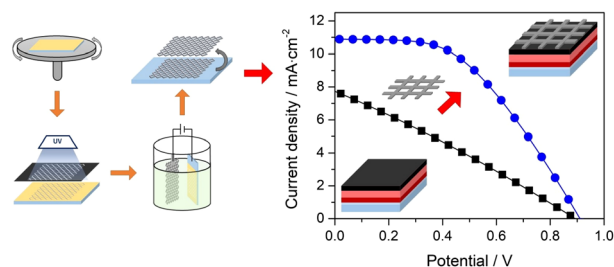
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Shichen Sun, Yeting Wen, Aidan Billings, Roya Rajabi, Boyu Wang, Kangkang Zhang and Kevin Huang\*

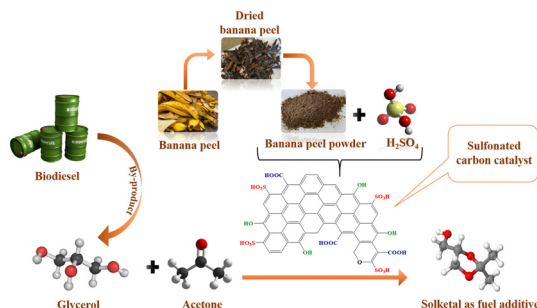
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Rhithuparna Devasan, Shiva Prasad Gouda, Gopinath Halder and Samuel Lalthazuala Rokhum\*

