

IN THIS ISSUE

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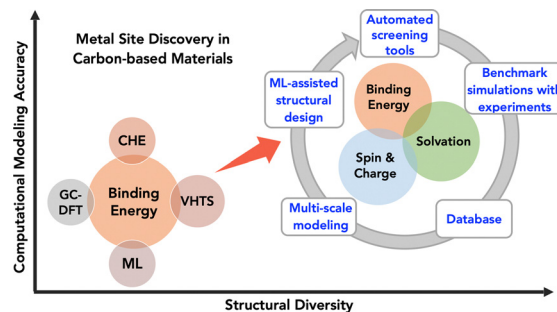
See Marc F. Tesch, Anna K. Mechler *et al.*, pp. 1823-1830. Image reproduced by permission of Marc F. Tesch and Anna K. Mechler from *Energy Adv.*, 2023, 2, 1823.

REVIEWS

1781

Advancements in computational approaches for rapid metal site discovery in carbon-based materials for electrocatalysis

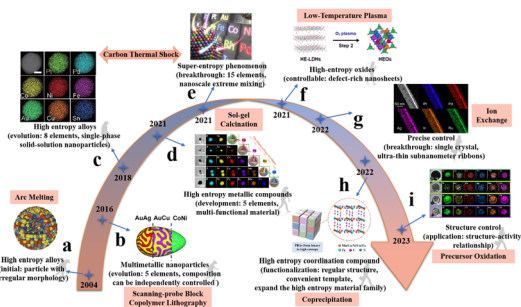
Somayeh Faraji, Zhiyu Wang, Paola Lopez-Rivera and Mingjie Liu*



1800

High entropy materials—emerging nanomaterials for electrocatalysis

Hang Li, Li Ling, Shengfa Li, Feng Gao* and Qingyi Lu*



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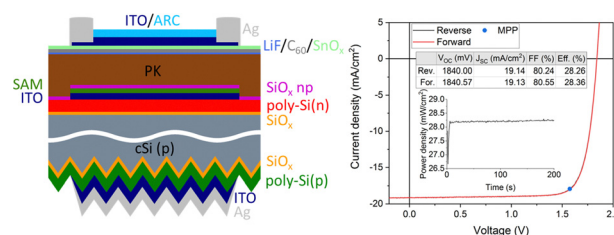


COMMUNICATION

1818

Rear textured p-type high temperature passivating contacts and their implementation in perovskite/silicon tandem cells

Arnaud Walter,* Brett A. Kamino, Soo-Jin Moon, Patrick Wyss, Juan J. Diaz Leon, Christophe Allebé, Antoine Descoedres, Sylvain Nicolay, Christophe Ballif, Quentin Jeangros and Andrea Ingenito*

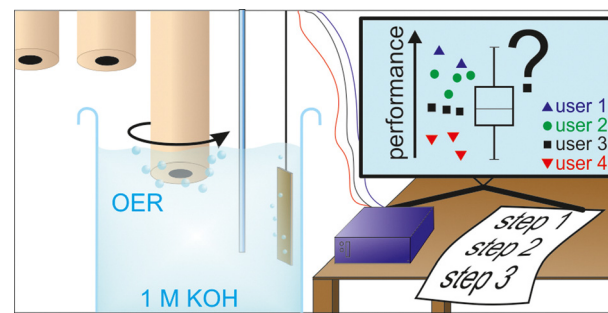


PAPERS

1823

The rotating disc electrode: measurement protocols and reproducibility in the evaluation of catalysts for the oxygen evolution reaction

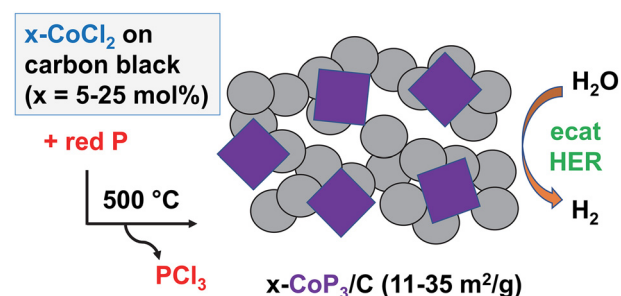
Marc F. Tesch,* Sebastian Neugebauer, Praveen V. Narangoda, Robert Schlögl and Anna K. Mechler*



1831

Flexible direct synthesis of phosphorus-rich CoP_3 on carbon black and its examination in hydrogen evolution electrocatalysis

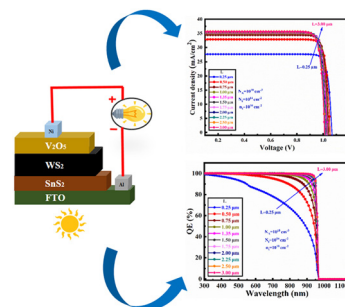
Ishanka A. Liyanage, Hannah Barmore and Edward G. Gillan*



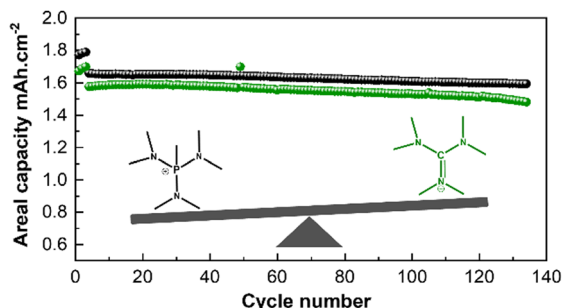
1843

Design and analysis of a $\text{SnS}_2/\text{WS}_2/\text{V}_2\text{O}_5$ double-heterojunction toward high-performance photovoltaics

Jubair Al Mahmud, Md. Ferdous Rahman,* Abdul Kuddus,* Md. Hasan Ali, A. T. M. Saiful Islam, Md. Dulal Haque, Sheikh Rashel Al Ahmed, Muhammad Mushtaq and Abu Bakar Md. Ismail



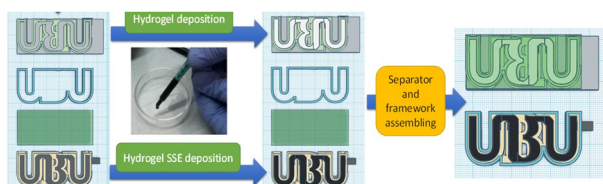
1859



A comparison of the impact of cation chemistry in ionic liquid-based lithium battery electrolytes

Faezeh Makhlooghiyad,* Colin S. M. Kang, Mojtaba Eftekharnia, Patrick C. Howlett, Oliver Hutt, Maria Forsyth, Luke A. O'Dell and Jennifer M. Pringle*

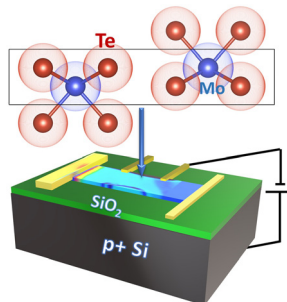
1872



Semi-solid electrodes based on injectable hydrogel electrolytes for shape-conformable batteries

Mario Borlaf, Matias L. Picchio, Gisela Carina Luque, Miryam Criado-Gonzalez, Gregorio Guzmán-Gonzalez, Daniel Pérez-Antolin, Gabriele Lingua, David Mecerreyes* and Edgar Ventosa*

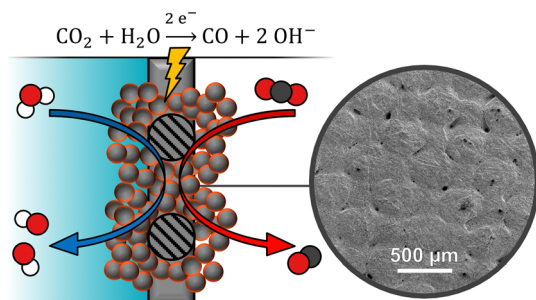
1882



Electrostatic modulation of thermoelectric transport properties of 2H-MoTe₂

Tianhui Zhu, Sree Sourav Das, Safoura Nayeb Sadeghi, Farjana Ferdous Tonni, Sergiy Krylyuk, Costel Constantin, Keivan Esfarjani, Albert V. Davydov and Mona Zabarjadi*

1893



Electrowetting limits electrochemical CO₂ reduction in carbon-free gas diffusion electrodes

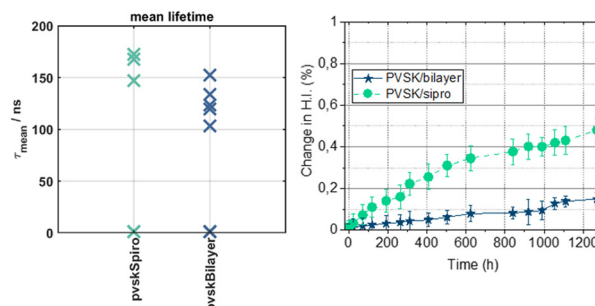
Lorenz M. Baumgartner, Andrey Goryachev, Christel I. Koopman, David Franzen, Barbara Ellendorff, Thomas Turek and David A. Vermaas*



1905

An Fe₃O₄ based hole transport bilayer for efficient and stable perovskite solar cells

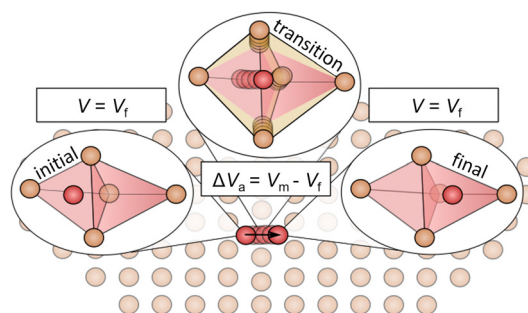
Akbar Ali Qureshi, Emilia R. Schütz, Sofia Javed,*
Lukas Schmidt-Mende and Azhar Fakharuddin*



1915

Pressure dependence of ionic conductivity in site disordered lithium superionic argyrodite Li₆PS₅Br

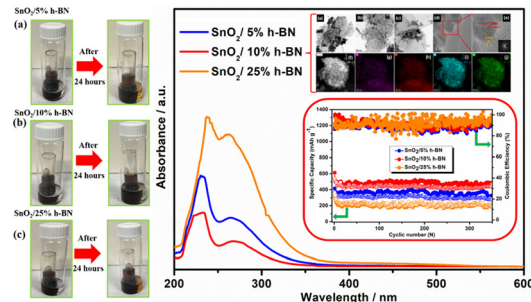
Vasiliki Faka, Matthias T. Agne, Paul Till, Tim Berges,
Marcel Sadowski, Ajay Gautam, Karsten Albe and
Wolfgang G. Zeier*



1926

SnO₂/h-BN nanocomposite modified separator as a high-efficiency polysulfide trap in lithium–sulfur batteries

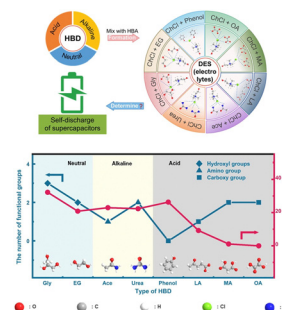
Chandra Sekhar Bongu, Yasmin Mussa, Sara Aleid,
Muhammad Arsalan and Edreese H. Alsharaeh*



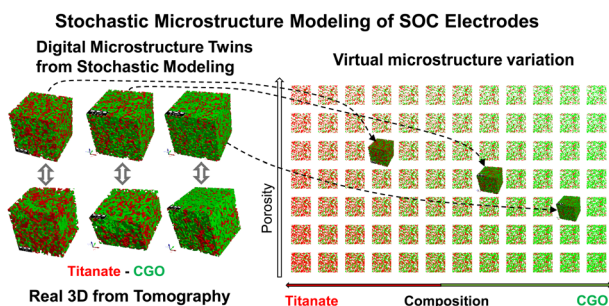
1935

Screening the deep eutectic electrolytes for supercapacitors with alleviated self-discharge

Wenxia Huang, Xiaohui Yan, Yige Xiong, Qihui Guo,
Xin Zhang, Fengyu Huang, Houqiang Shi and Xiang Ge*



1942



Stochastic microstructure modeling of SOC electrodes based on a pluri-Gaussian method

Philip Marmet,* Lorenz Holzer, Thomas Hocker, Vinzenz Muser, Gernot K. Boiger, Mathias Fingerle, Sarah Reeb, Dominik Michel and Joseph M. Brader

CORRECTION

1968

Correction: Generation of covalent organic framework-derived porous N-doped carbon nanosheets for highly efficient electrocatalytic hydrogen evolution

Sayan Halder, Anup Kumar Pradhan, Soumen Khan and Chanchal Chakraborty*

