

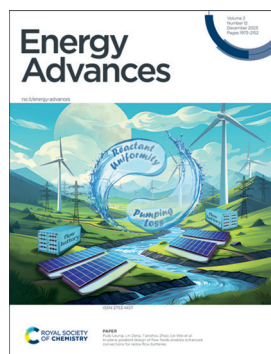
Energy Advances

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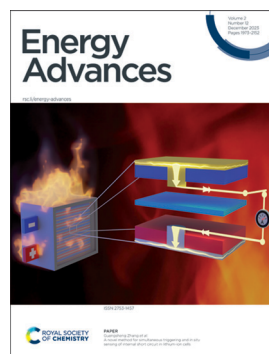
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Cover

See Puiki Leung, Lin Zeng, Tianshou Zhao, Lei Wei *et al.*, pp. 2006–2017. Image reproduced by permission of Lei Wei from *Energy Adv.*, 2023, 2, 2006.



Inside cover

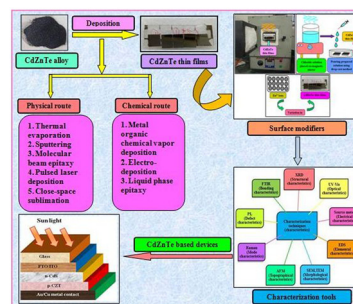
See Guangsheng Zhang *et al.*, pp. 2018–2028. Image reproduced by permission of Guangsheng Zhang from *Energy Adv.*, 2023, 2, 2018. We would like to acknowledge that Madeline Liu supported in making the image and that the software Blender was used in making the image.

REVIEW

1980

CdZnTe thin films as proficient absorber layer candidates in solar cell devices: a review

Ritika Sharma, Sakshi Chuhadiya, Kamlesh, Himanshu and M. S. Dhaka*

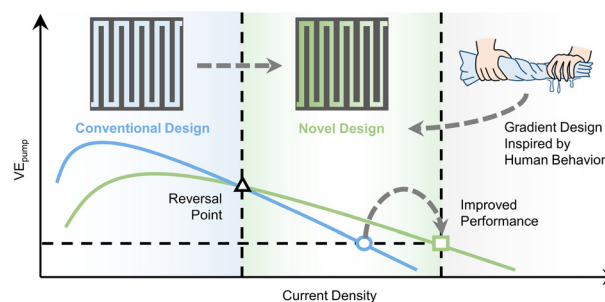


PAPERS

2006

In-plane gradient design of flow fields enables enhanced convections for redox flow batteries

Lyuming Pan, Jianyu Xie, Jincong Guo, Dongbo Wei, Honghao Qi, Haoyao Rao, Puiki Leung,* Lin Zeng,* Tianshou Zhao* and Lei Wei*



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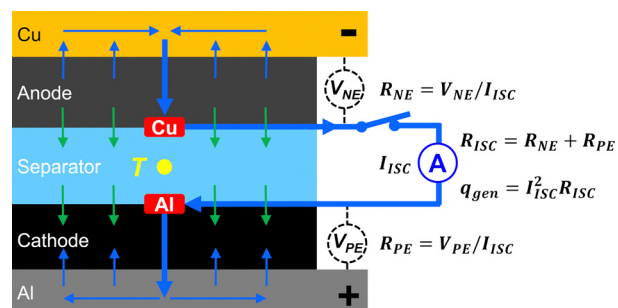
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2018

A novel method for simultaneous triggering and *in situ* sensing of internal short circuit in lithium-ion cells

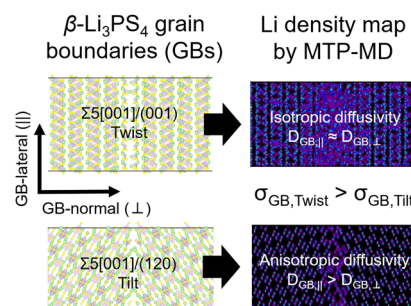
Mary K. Long, Siyi Liu and Guangsheng Zhang*



2029

Lithium dynamics at grain boundaries of β -Li₃PS₄ solid electrolyte

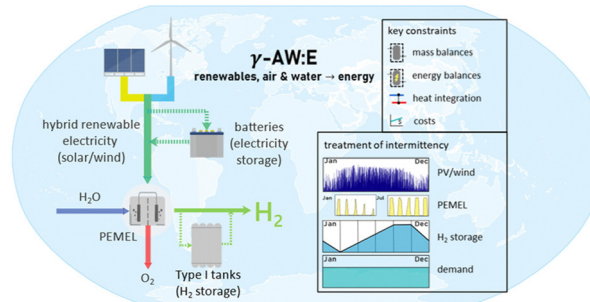
Randy Jalem, Manas Likhit Holekevi Chandrappa, Ji Qi, Yoshitaka Tateyama and Shyue Ping Ong*



2042

Quantifying global costs of reliable green hydrogen

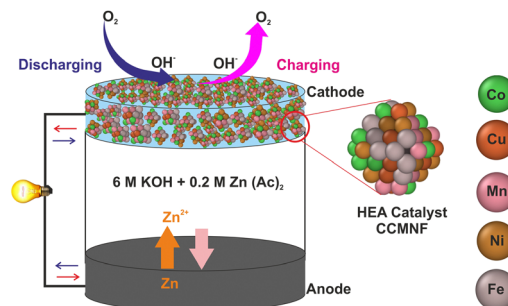
D. Freire Ordóñez, C. Ganzer, T. Halfdanarson, A. González Garay, P. Patrizio, A. Bardow, G. Guillén-Gosálbez, N. Shah and N. Mac Dowell*



2055

Understanding the evolution of catalytically active multi-metal sites in a bifunctional high-entropy alloy electrocatalyst for zinc–air battery application

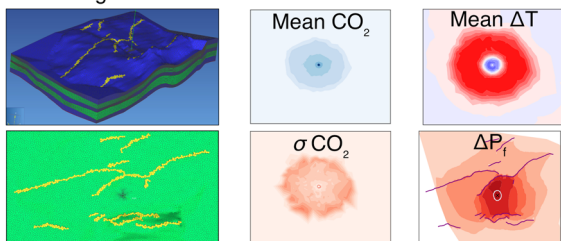
Chetna Madan, Saumya R. Jha, Nirmal Kumar Katiyar, Arkaj Singh, Rahul Mitra, Chandra Sekhar Tiwary,* Krishanu Biswas* and Aditi Halder*



2069

Offshore CO₂ Storage

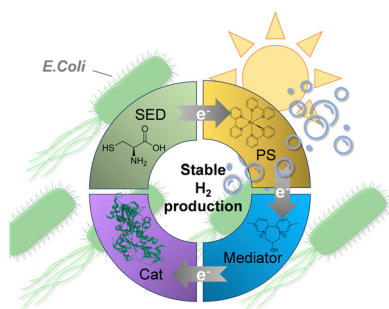
Geologic Model



Assessing reservoir performance for geologic carbon sequestration in offshore saline reservoirs

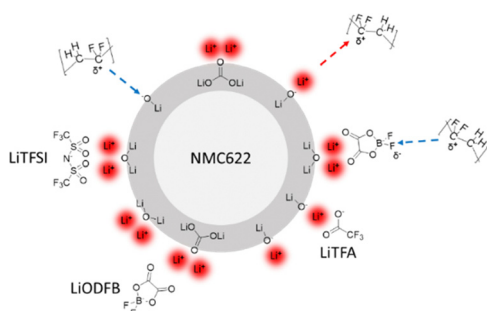
Lars Koehn,* Brian W. Romans and Ryan M. Pollyea

2085

*E. coli*-based semi-artificial photosynthesis: biocompatibility of redox mediators and electron donors in [FeFe] hydrogenase driven hydrogen evolution

Mira T. Gamache, Larissa Kurth, Dawit T. Filmon, Nicolas Plumeré and Gustav Berggren*

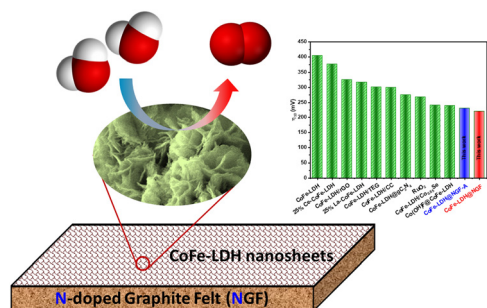
2093



Electrochemical investigation of fluorine-containing Li-salts as slurry cathode additives for tunable rheology in super high solid content NMP slurries

Francesco Colombo,* Marcus Müller, Andreas Weber, Noah Keim, Fabian Jeschull, Werner Bauer and Helmut Ehrenberg

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Cobalt–iron layered double hydroxide nanosheet-wrapped nitrogen-doped graphite felt as an oxygen-evolving electrode

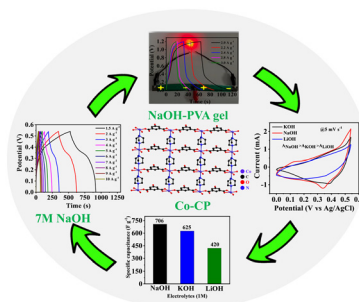
Noor Fatima Shahid, Ahsan Jamal, Gulfam-ul Haq, Maham Javed, Muhammad Saifullah and Mohsin Ali Raza Anjum*



2119

Exploring the feasibility of a two-dimensional layered cobalt-based coordination polymer for supercapacitor applications: effect of electrolytic cations

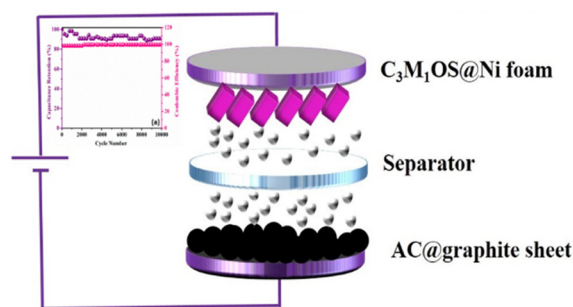
Rakesh Deka, Shashank Rathi and Shaikh M. Mobin*



2129

Compositionally variant bimetallic Cu–Mn oxysulfide electrodes with meritorious supercapacitive performance and high energy density

Heba M. El Sharkawy, Abdussalam M. Elbanna, Ghada E. Khedr and Nageh K. Allam*



2140

Efficient procedure for biodiesel synthesis from waste oil and *t*-butylation of resorcinol using a porous microtube polymer-based solid acid

Zhijin Guo and Xuezheng Liang*

