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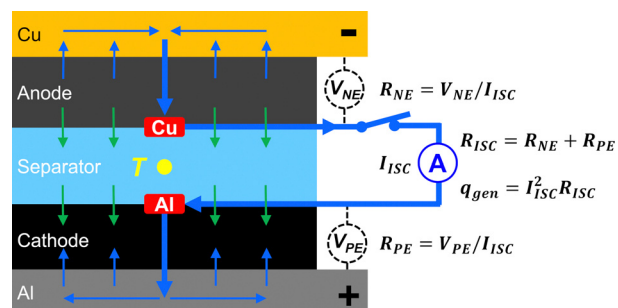
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2018

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

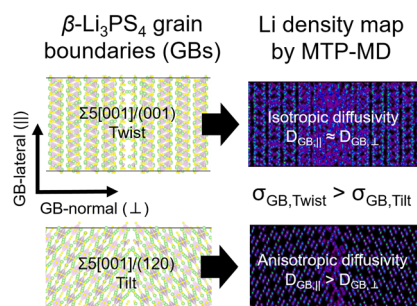
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2029

Lithium dynamics at grain boundaries of β -Li₃PS₄ solid electrolyte

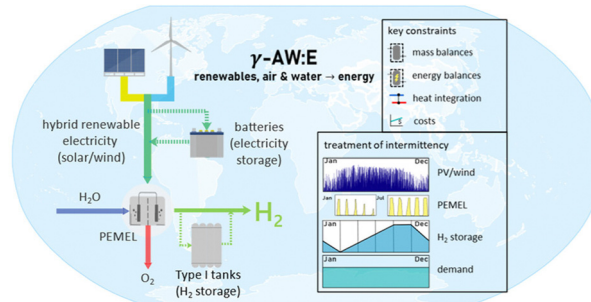
Randy Jalem, Manas Likhit Holekevi Chandrappa, Ji Qi, Yoshitaka Tateyama and Shyue Ping Ong*



2042

Quantifying global costs of reliable green hydrogen

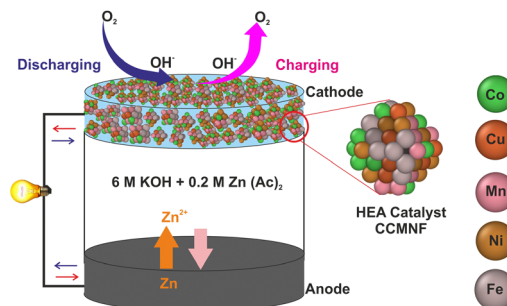
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Understanding the evolution of catalytically active multi-metal sites in a bifunctional high-entropy alloy electrocatalyst for zinc–air battery application

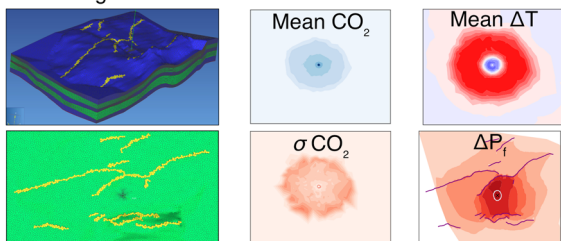
Chetna Madan, Saumya R. Jha, Nirmal Kumar Katiyar, Arkaj Singh, Rahul Mitra, Chandra Sekhar Tiwary,* Krishanu Biswas* and Aditi Halder*



2069

Offshore CO₂ Storage

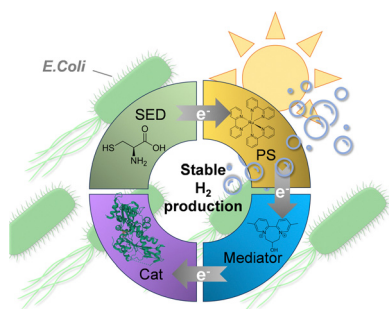
Geologic Model



Assessing reservoir performance for geologic carbon sequestration in offshore saline reservoirs

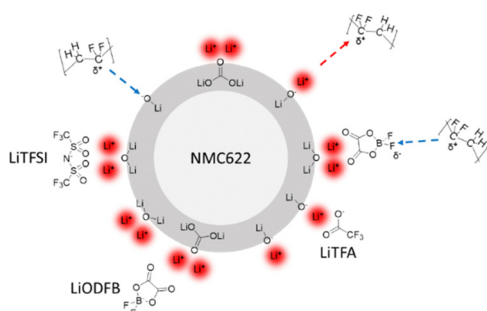
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2085

*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*

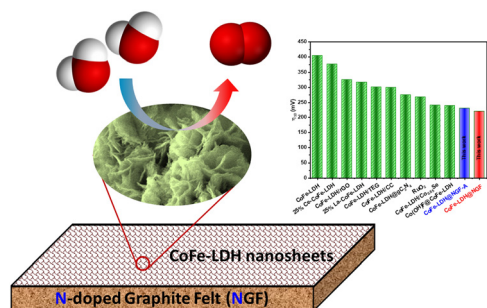
2093



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

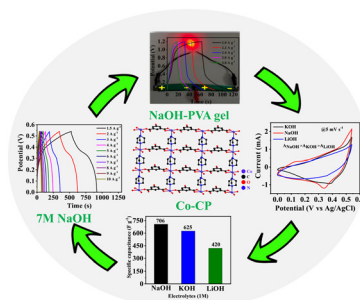
Noor Fatima Shahid, Ahsan Jamal, Gulfam-ul Haq, Maham Javed, Muhammad Saifullah and Mohsin Ali Raza Anjum*



2119

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

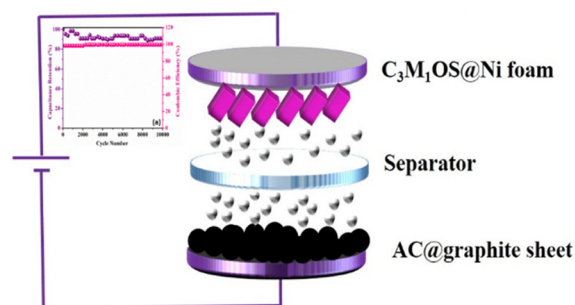
Rakesh Deka, Shashank Rathi and Shaikh M. Mobin*



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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*



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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*

