

IN THIS ISSUE

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Cover

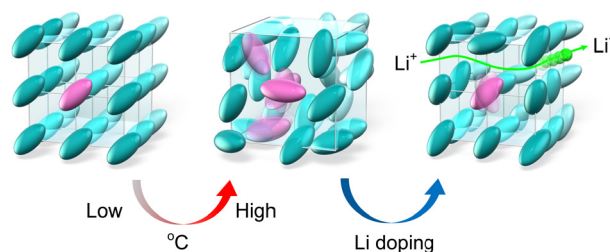
See Masahiro Yoshizawa-Fujita *et al.*, pp. 748–764. Image reproduced by permission of Masahiro Yoshizawa-Fujita from *Energy Adv.*, 2023, 2, 748.

REVIEWS

748

Organic ionic plastic crystals: flexible solid electrolytes for lithium secondary batteries

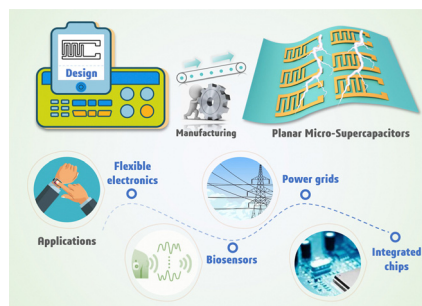
Morgan L. Thomas, Kan Hatakeyama-Sato, Shinkoh Nanbu and Masahiro Yoshizawa-Fujita*



765

Planar micro-supercapacitors toward high performance energy storage devices: design, application and prospects

Shifan Zhu, Zhiheng Xu, Haijun Tao,* Dandan Yang, Xiaobin Tang* and Yuqiao Wang*



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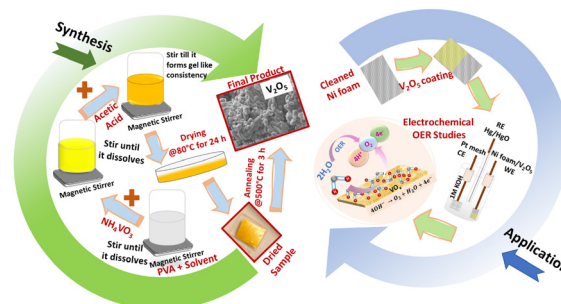


COMMUNICATIONS

784

Well-defined 2D transition vanadium pentoxide (V_2O_5) flat nanorods with large-scale synthesis feasibility as an electrocatalyst for the oxygen evolution reaction (OER)

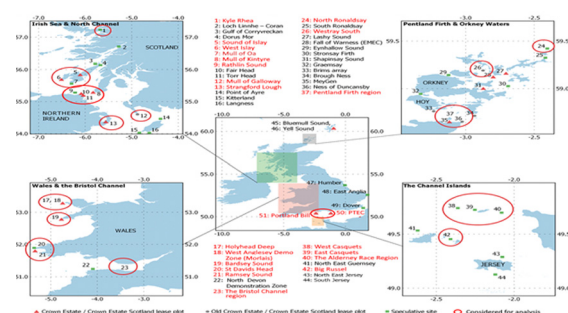
Veena Mounasamy, Ganesan Srividhya and Nagamony Ponpandian*



789

UK studies on the wider energy system benefits of tidal stream

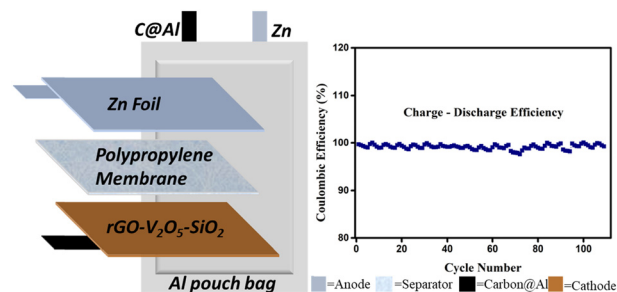
Danny Pudjianto,* Ciaran Frost, Daniel Coles, Athanasios Angeloudis, Gavin Smart and Goran Strbac



797

An aqueous rechargeable and high-capacity zinc ion battery using a novel $rGO-V_2O_5-SiO_2$ hybrid nanocomposite as a cathode material

Akash Lata, Anuj Kumar, Gautam Biswas, Nripen Chanda and Ravi Kumar Arun*

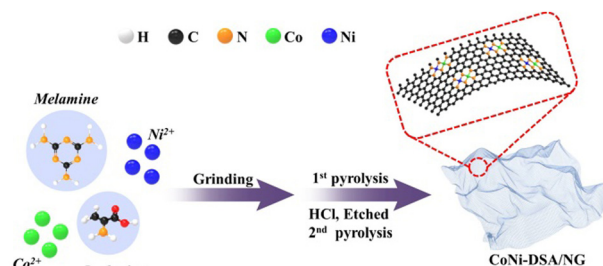


PAPERS

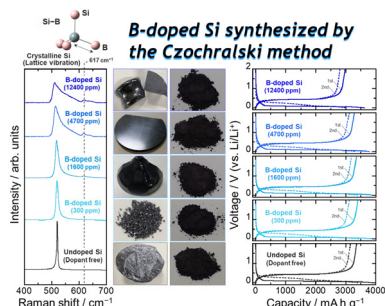
805

Atomically dispersed Co/Ni dual sites embedded in nitrogen-doped graphene for boosting oxygen evolution

Yaoyao Deng, Yao Lin, Minxi Zhang, Rentong Dai, Zhen Luo, Quanfa Zhou, Mei Xiang,* Jirong Bai* and Shuanglong Lu*



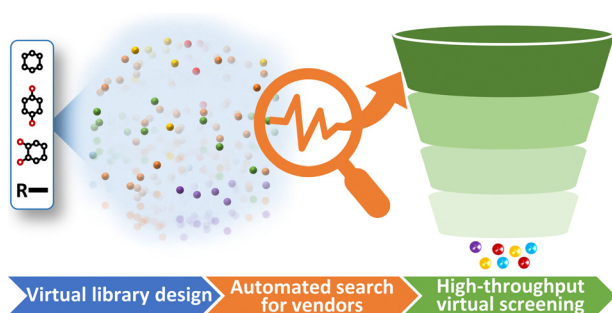
813



Lithiation/delithiation of silicon heavily doped with boron synthesized using the Czochralski process

Masahiro Shimizu,* Kohei Kimoto, Ayaka Kikuchi, Toshinori Taishi and Susumu Arai

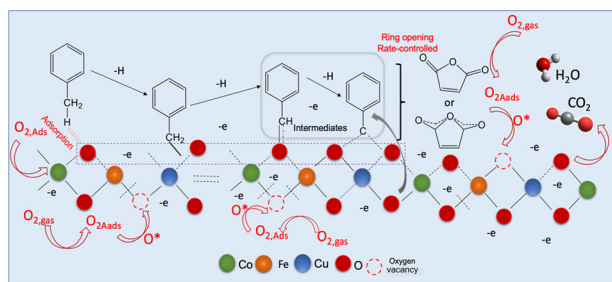
820



Virtual screening of organic quinones as cathode materials for sodium-ion batteries

Xuan Zhou, René A. J. Janssen and Süleyman Er*

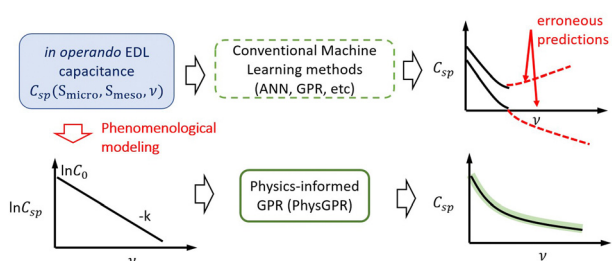
829



Copper and iron co-doping effects on the structure, optical energy band gap, and catalytic behaviour of Co₃O₄ nanocrystals towards low-temperature total oxidation of toluene

Hippolyte Todou Assaouka, Issah Ngouh Nsangou, Daniel Manhouli Daawe, Daniel Onana Mevoa, Abraham Atour Zigla, Patrick Ndouka Ndouka and Patrick Mountapmbeme Kouotou*

843



Physics-informed Gaussian process regression of *in operando* capacitance for carbon supercapacitors

Runtong Pan, Mengyang Gu and Jianzhong Wu*

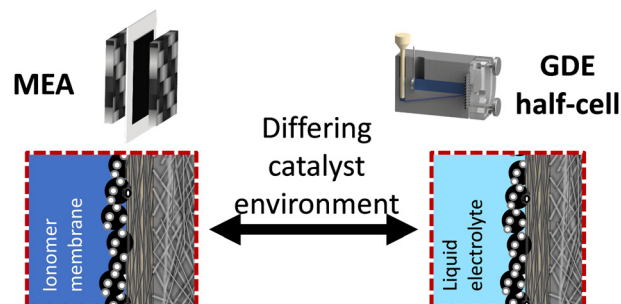


PAPERS

854

Which insights can gas diffusion electrode half-cell experiments give into activity trends and transport phenomena of membrane electrode assemblies?

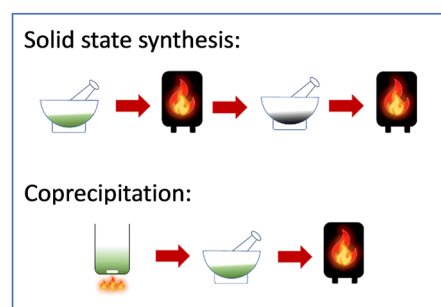
Nicolai Schmitt, Mareike Schmidt, Jonathan E. Mueller, Lasse Schmidt, Michael Trabold, Katharina Jeschonek and Bastian J. M. Etzold*



864

Optimising the synthesis of LiNiO_2 : coprecipitation versus solid-state, and the effect of molybdenum doping

Jaime-Marie Price,* Phoebe Allan* and Peter Slater*



877

Effective electro-oxidation of hydroxymethylfurfural using the electrografted immobilized aminoxyl radical

Jiaxun Guo, Maryam Abdinejad, Amirhossein Farzi, Mahdi Salehi and Ali Seifitokaldani*

