

Sustainable Energy & Fuels

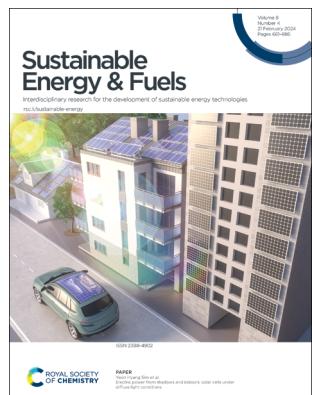
Interdisciplinary research for the development of sustainable energy technologies

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Inside cover

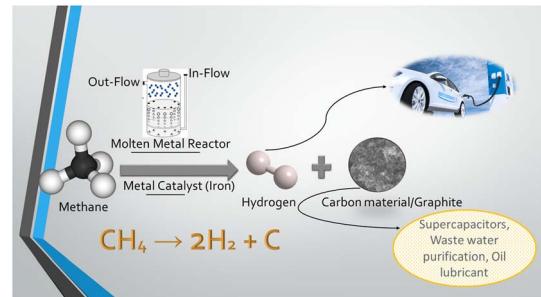
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REVIEW

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Methane conversion for hydrogen production: technologies for a sustainable future

Safia Hameed and Elisabetta Comini*

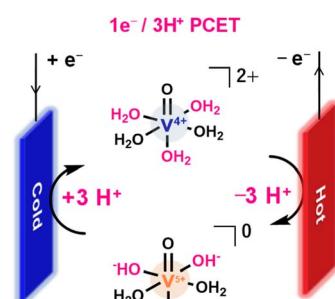


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and Hongyao Zhou





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Fundamental questions
Elemental answers

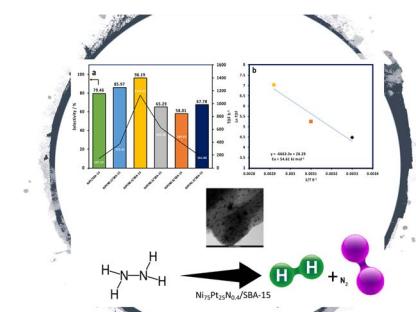
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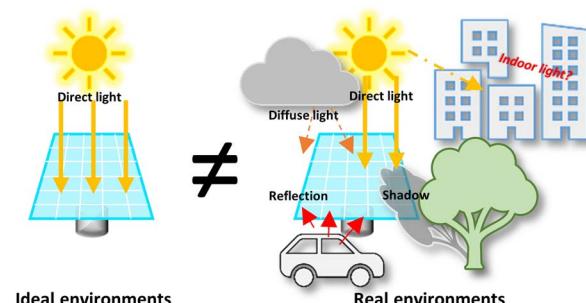


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Electric power from shadows and indoors: solar cells under diffuse light conditions

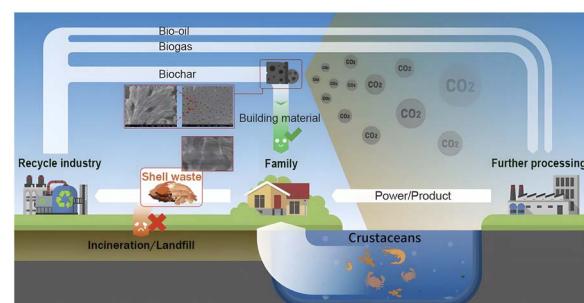
Yeon Hyang Sim, Min Ju Yun, Luthfan Fauzan, Hyekyoung Choi, Dong Yoon Lee and Seung I. Cha*



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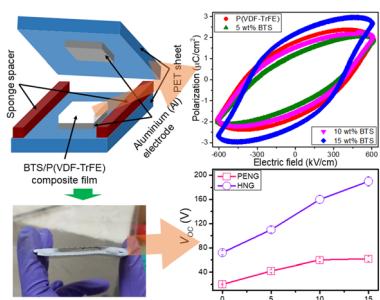
Management of waste crustacean shells for the construction of a carbon-negative circulation model

Xiaogang Sun, Zhen Du, Yimeng Wang, Yuepeng Guan,* Baoning Zhu* and Yaqin Huang*



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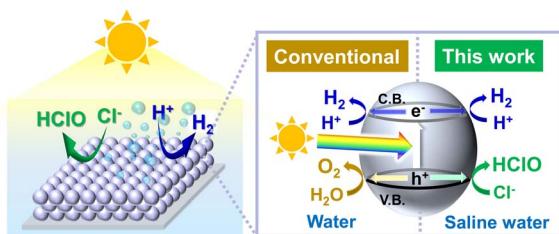
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Morphotropic phase boundary-based $\text{BaTi}_{0.89}\text{Sn}_{0.11}\text{O}_3$ filler induced polarization tuned P(VDF-TrFE) composites as efficient piezo-tribo hybrid nanogenerators

Payel Maiti,* Abhishek Sasmal, A. Arockiarajan and Rahul Mitra

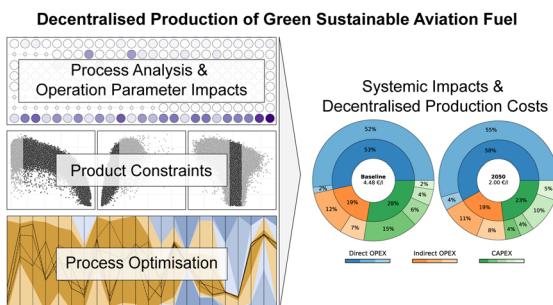
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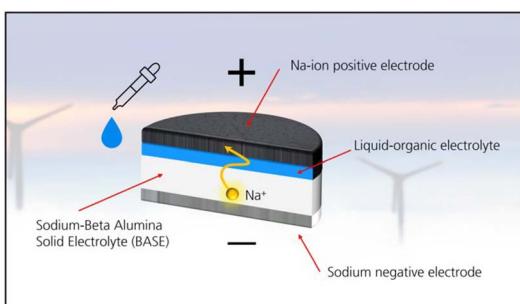
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Micha P. Fertig,* Christof Neumann, Matthias Schulz, Andrey Turchanin and Michael Stelter

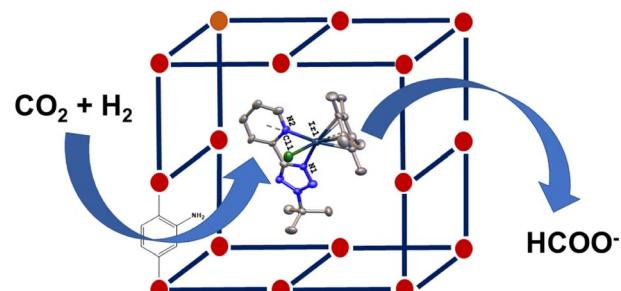


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A single site catalyst supported in mesoporous UiO-66 for catalytic conversion of carbon dioxide to formate

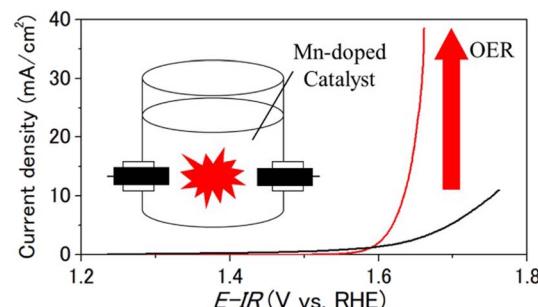
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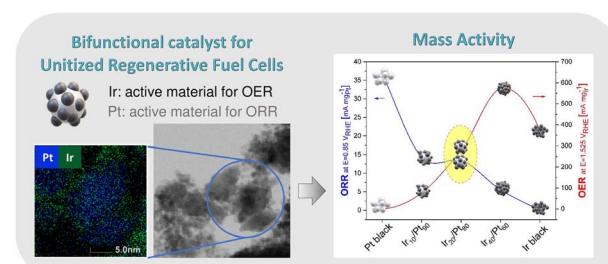
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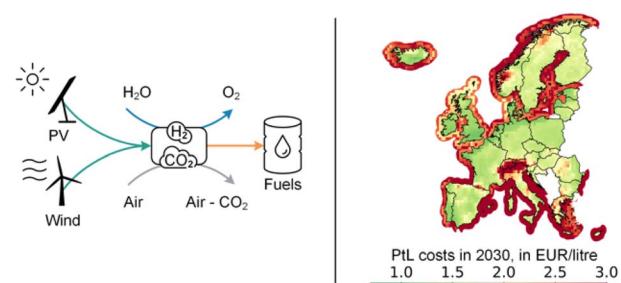
Lucinda Blanco-Redondo, Yevheniia Lobko,*
Kateřina Veltruská, Jaroslava Nováková, Michal Mazur,
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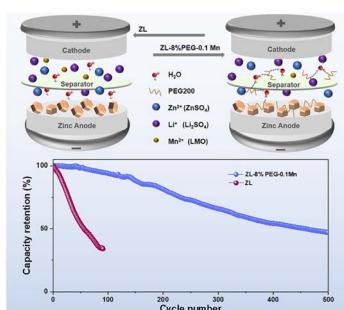
Future costs of power-to-liquid sustainable aviation fuels produced from hybrid solar PV-wind plants in Europe

Kyle Seymour,* Maximilian Held, Boris Stoltz, Gil Georges
and Konstantinos Boulouchos



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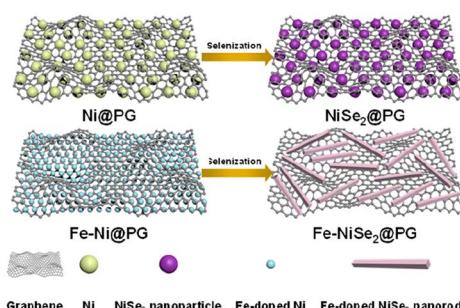
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Highly improved aqueous $Zn||LiMn_2O_4$ hybrid-ion batteries using poly(ethylene glycol) and manganese sulfate as electrolyte additives

Jingyi Kong, Hanling Guo, Yuan Li, Min Gong, Xiang Lin, Liang Zhang and Dongrui Wang*

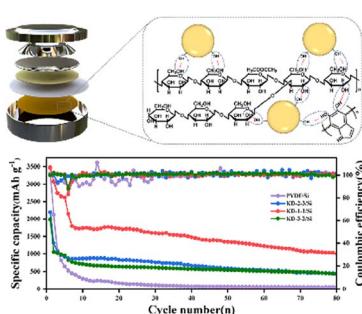
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Flexible electrode of Fe-doped $NiSe_2$ @porous graphene as binder-free anode for lithium-ion batteries

Caiyun Guo, Bo Zhang, Mengru Xiao, Mingming Hao, Liting Zhao, Xiaoting Zhang,* Hongyan Zhang* and Rui Wang*

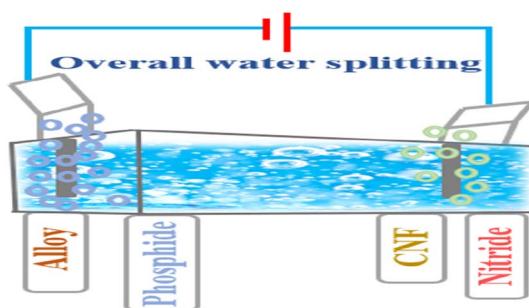
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Nanoarchitectonics of 3D-networked bio-based binders for silicon anodes in lithium-ion batteries based on dynamic hydrogen bonding

Liang Yu, Meng Chang, Miaolan Zhang, Yuting Yang, Ken Chen, Tao Jiang, Dean Shi, Qunchao Zhang* and Jou You*

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Jinping Wang, Xiaochao Ji, Lili Bo,* Liucheng Xia, Jiayao Fang, Xiaolin Guan, Haidong Yang and Jinhui Tong*

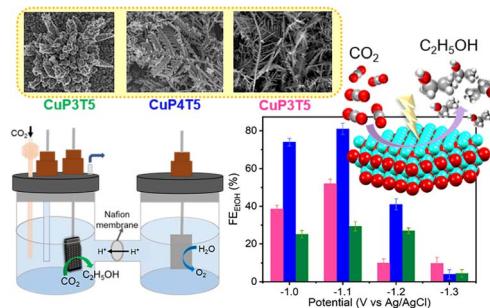


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