

Energy Advances

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See Dibakar Datta *et al.*, pp. 968–982. Image reproduced by permission of Dibakar Datta from *Energy Adv.*, 2024, 3, 968.



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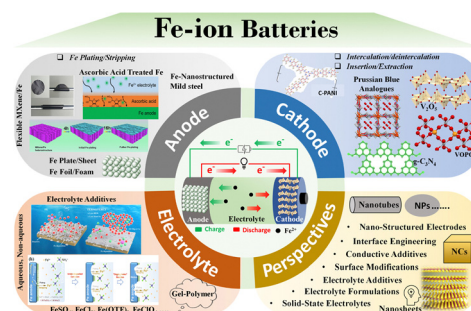
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Rechargeable iron-ion (Fe-ion) batteries: recent progress, challenges, and perspectives

Jitendra Kumar Yadav, Bharti Rani, Priyanka Saini and Ambesh Dixit*

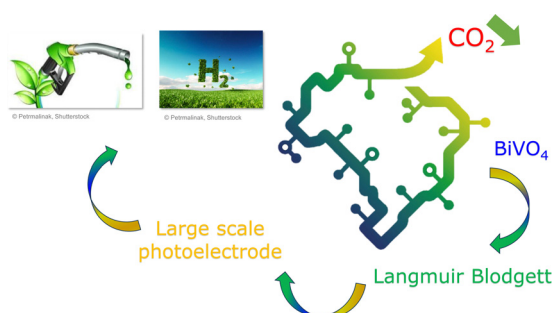


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Biofuels and hydrogen production: back to the Langmuir–Blodgett approach for large-scale structuration of Bi-based photoelectrodes

Claire Dazon,* Márcio César Pereira and Douglas Santos Monteiro



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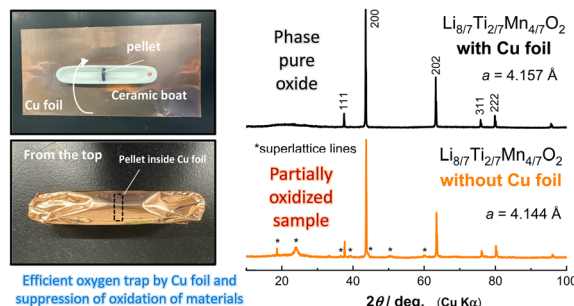


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A methodology to synthesize easily oxidized materials containing Li ions in an inert atmosphere

Itsuki Konuma, Yosuke Ugata and Naoaki Yabuuchi*

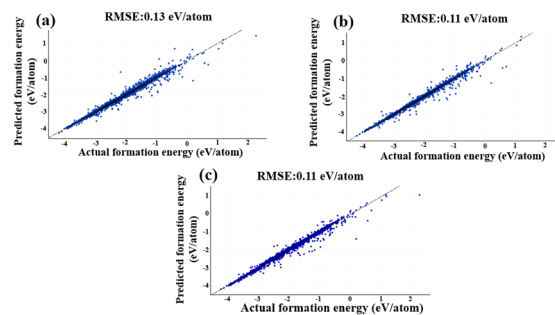


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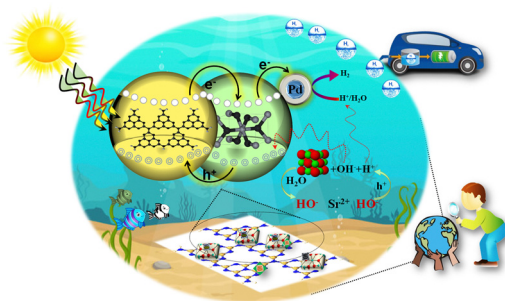
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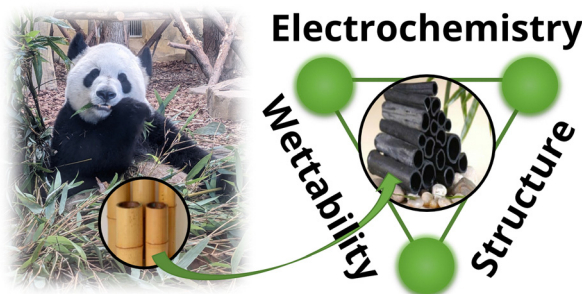
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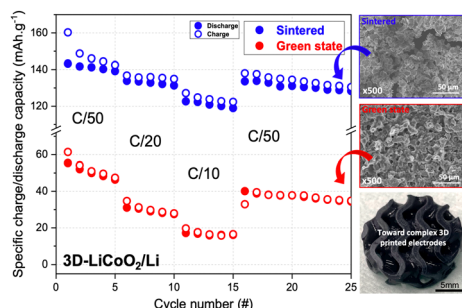
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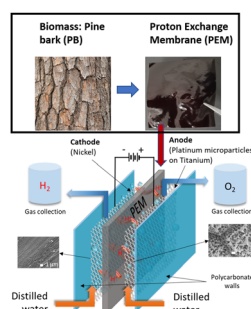
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Ana C. Martinez,* Ana P. Aranzola, Eva Schiaffino, Eric MacDonald* and Alexis Maurel*

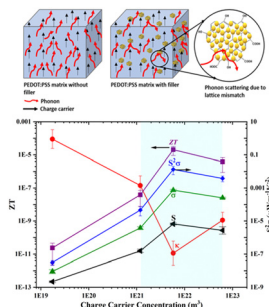
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Fabrication of novel mixed matrix polymer electrolyte membranes (PEMs) intended for renewable hydrogen production via electrolysis application

Relebohile Mokete,* František Mikšik, Roman Selyanchyn, Nobuo Takata, Kyaw Thu and Takahiko Miyazaki

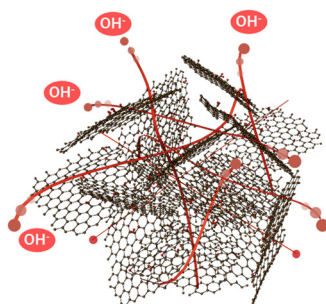
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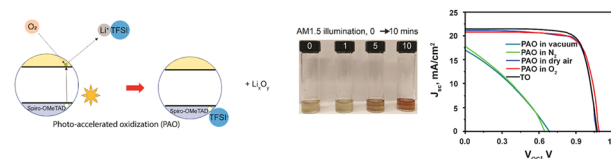


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Photo-accelerated oxidation of spiro-OMeTAD for efficient carbon-based perovskite solar cells

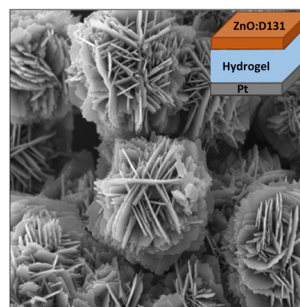
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Exploring zinc oxide morphologies for aqueous solar cells by a photoelectrochemical, computational, and multivariate approach

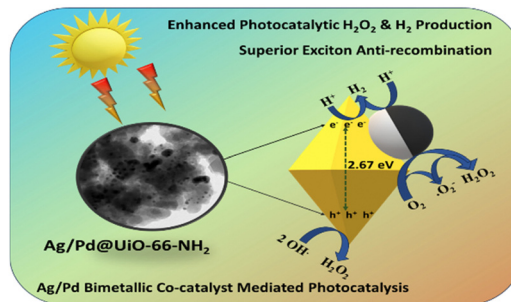
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Ag/Pd bimetallic nanoparticle-loaded Zr-MOF: an efficacious visible-light-responsive photocatalyst for H_2O_2 and H_2 production

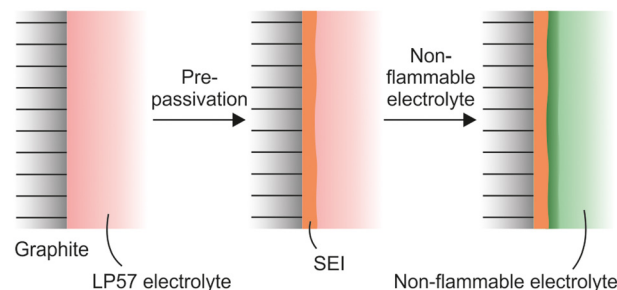
Srabani Dash, Suraj Prakash Tripathy, Satyabrata Subudhi, Lopamudra Acharya, Asheli Ray, Pragyandeepti Behera and Kulamani Parida*



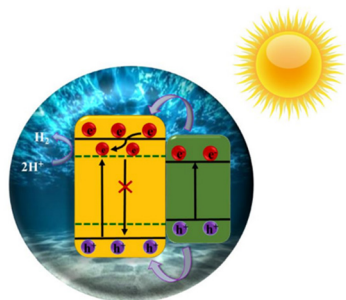
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Matilde Longhini, Florian Gebert, Fosca Conti* and Andrew J. Naylor*



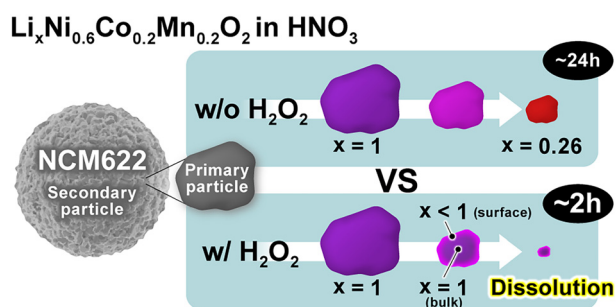
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Efficient and sustainable hydrogen evolution reaction: enhanced photoelectrochemical performance of ReO_3 -incorporated Cu_2Te catalysts

Aruna Vijayan and N. Sandhyarani*

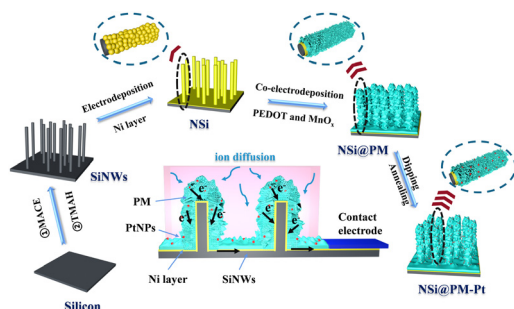
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Mechanisms underlying the acid leaching process for $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ with and without H_2O_2

Kazuhiko Mukai,* Yasuhiro Takatani and Takamasa Nonaka

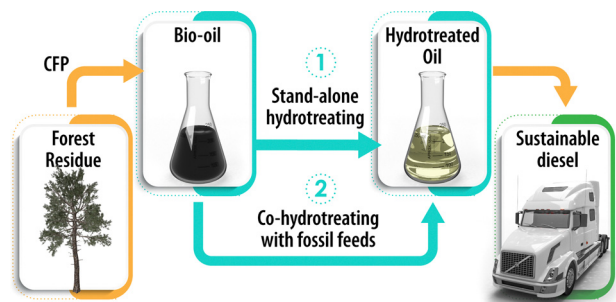
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Passivation of silicon nanowires with Ni particles and a PEDOT/ MnO_x composite for high-performance aqueous supercapacitors

Pengwei Liu, Shouyan Sun, Tongfei Wang, Xiaojuan Shen* and Maiyong Zhu*

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Xiaolin Chen, Kellene A. Orton, Calvin Mukarakate, Luke Tuxworth, Michael B. Griffin and Kristiina Iisa*

