

Energy Advances

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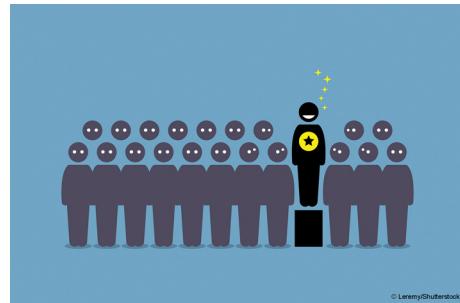
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See Nicholas M. Bedford, Jessica Velisek Carolan *et al.*, pp. 1134–1147. Image reproduced by permission of Nicholas M. Bedford from *Energy Adv.*, 2023, 2, 1134.

EDITORIAL

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Outstanding Reviewers for *Energy Advances* in 2022

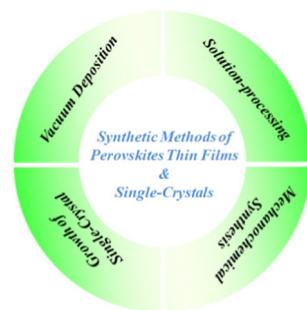


REVIEW

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Synthetic approaches for perovskite thin films and single-crystals

Anastasia Soultati, Marinos Tountas, Konstantina K. Armadorou, Abd. Rashid bin Mohd Yusoff, Maria Vasilopoulou* and Mohammad Khaja Nazeeruddin*



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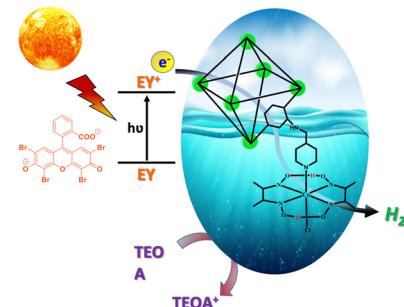


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Post-synthetic modulation of UiO-66-NH_2 with a cobaloxime catalyst for efficient hydrogen production

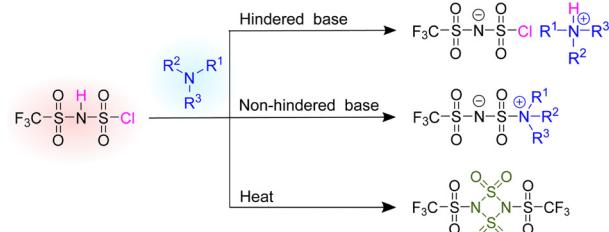
Saddam Sk, Sandip Prabhakar Shelake, Dependu Dolui, Suhana Karim, Rajib Ghosh, M. V. Jyothirmai, Annadanam V. Sesha Sainath, Ujjwal Pal* and Arnab Dutta*



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(Chlorosulfonyl)(trifluoromethanesulfonyl)imide—a versatile building block for battery electrolytes

Letao Jin, Ziyu Song, Heng Zhang,* Zhibin Zhou and Wenfang Feng*

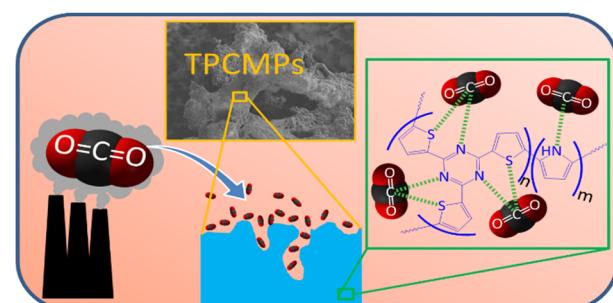


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Poly(triazine-co-pyrrole)-based conjugated microporous polymers for carbon dioxide capture

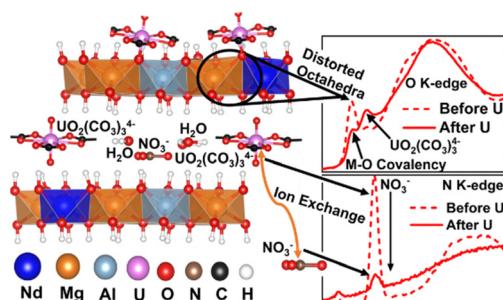
Dushan Suranga Amaraseela, Norazilawati Muhamad Sarih* and Shehu Habibu



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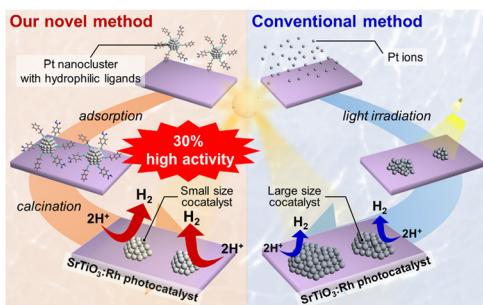
Enhanced uranium extraction selectivity from seawater using dopant engineered layered double hydroxides

Muhammad Zubair, Hayden Ou, Yuwei Yang, Daniel T. Oldfield, Lars Thomsen, Bijil Subhash, Jessica L. Hamilton, Joshua T. Wright, Nicholas M. Bedford* and Jessica Veliseck Carolan*



PAPERS

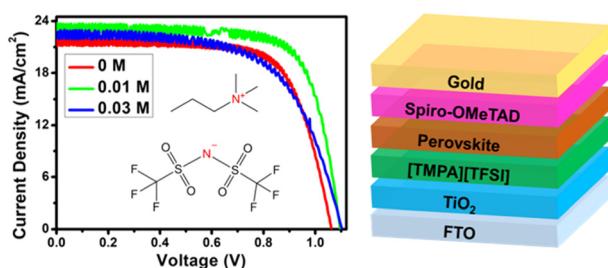
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Activation of hydrogen-evolution reactivity in an Rh-doped SrTiO_3 photocatalyst under visible-light irradiation by loading with controlled platinum nanoclusters

Daichi Yazaki, Tokuhisa Kawakami,* Tomoya Tanaka, Daisuke Hirayama, Yamato Shingyouchi and Yuichi Negishi*

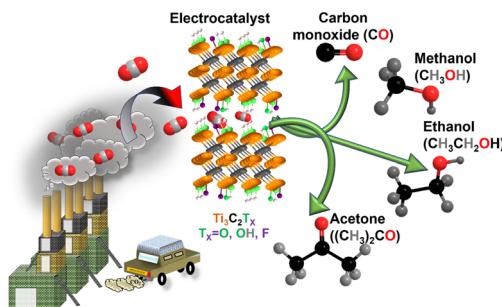
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Role of antisolvent temperature and quaternary ammonium cation-based ionic liquid engineering in the performance of perovskite solar cells processed under air ambient conditions

Subrata Ghosh,* Binita Boro, Shivam Porwal, Snehangshu Mishra and Trilok Singh*

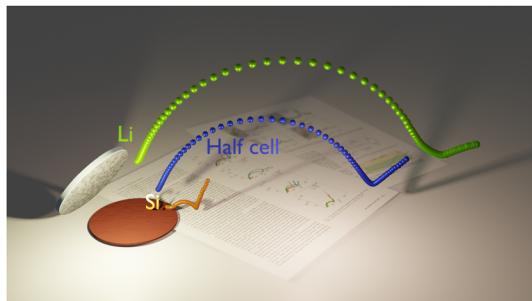
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Two-dimensional $\text{Ti}_3\text{C}_2\text{T}_x$ MXene nanosheets for CO_2 electroreduction in aqueous electrolytes

Sarathkumar Krishnan, Senthilkumaran Marimuthu, Mayank K. Singh and Dhirendra K. Rai*

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Unravelling the electrochemical impedance spectroscopy of silicon half cells with commercial loading

Frederik T. Huld,* Zhixin Yu* and Fengliu Lou*

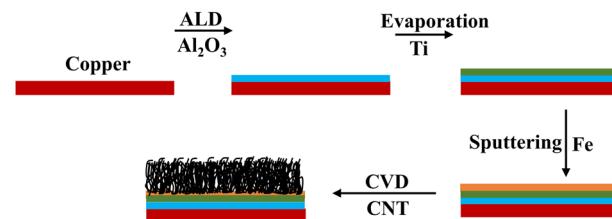


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Effect of a Ti layer on the growth of binder-free carbon nanotubes on Cu foil and their performance as lithium ion battery anodes

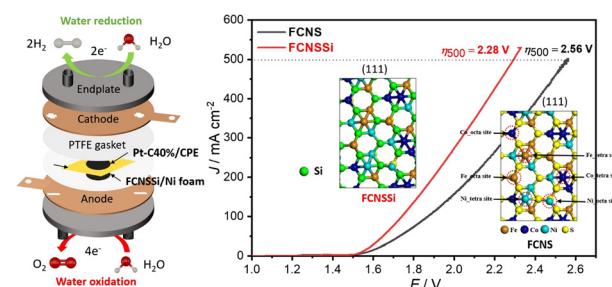
Ganesh Sainadh Gudavalli, Mahesh Nepal, Joshua Young, Manuel Smeu and Tara P. Dhakal*



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Silicon atom doping in heterotrimetallic sulfides for non-noble metal alkaline water electrolysis

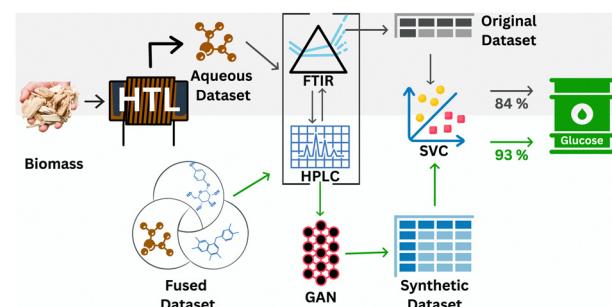
Mohamed Barakat Zakaria Hegazy,* Leila Bahri, David Tetzlaff, Sebastian A. Sanden and Ulf-Peter Apfel*



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Enhancing glucose classification in continuous flow hydrothermal biomass liquefaction streams through generative AI and IR spectroscopy

Silviu Florin Acaru,* Rosnah Abdullah, Daphne Teck Ching Lai and Ren Chong Lim*



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Assessing alkyl side chain effects on electron transport properties of Y6-derived non-fullerene acceptors

Daniele Padula,* Alessandro Landi* and Giacomo Prampolini*

