Sustainable Energy & Fuels

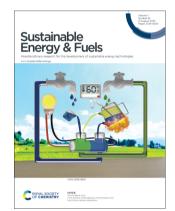
Interdisciplinary research for the development of sustainable energy technologies

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George W. Huber, Muxina Konarova, Jason Y. C. Lim and Karen Wilson*



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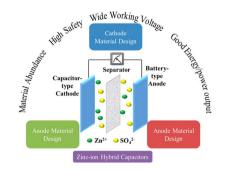
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REVIEWS

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Recent developments in zinc metal anodes, cathodes, and electrolytes for zinc-ion hybrid capacitors

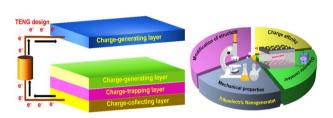
Meghali Devi, Brindha Moorthy and Ranjith Thangavel*



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Prabhakar Yadav, Kuldeep Sahay,* Arpit Verma, D. K. Maurya and B. C. Yadav*

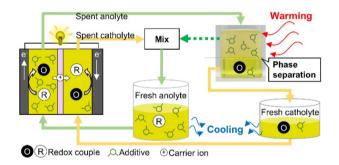


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Flow battery recharging by thermoresponsive liquid-liquid phase separation

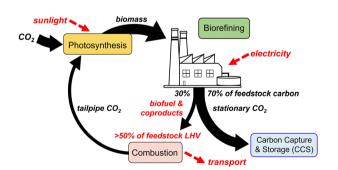
Yohei Matsui,* Yuki Maeda, Makoto Kawase, Takahiro Suzuki and Shohji Tsushima



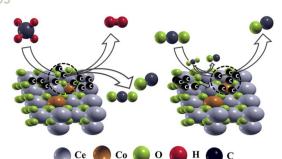
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Carbon capture from corn stover ethanol production via mature consolidated bioprocessing enables large negative biorefinery GHG emissions and fossil fuelcompetitive economics

Matthew R. Kubis and Lee R. Lynd*

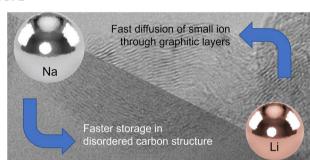


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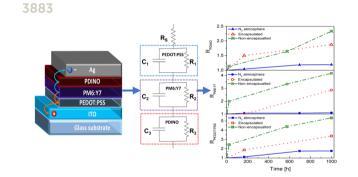
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Pradeep Kumar Yadav, Kalyani Patrikar, Anirban Mondal and Sudhanshu Sharma*



Influence of structural modifications on the alkali ion storage properties of carbon black in hybrid ion capacitor negative electrodes

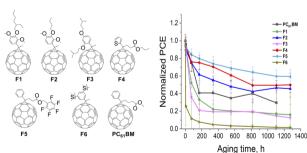
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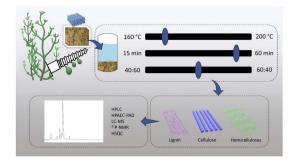
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A novel biorefinery concept based on marginally used halophyte biomass

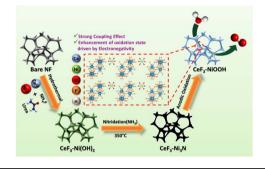
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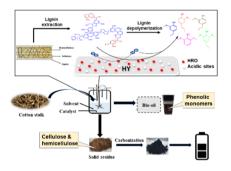
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Lignin-first biorefinery approach for the valorization of cotton stalks to phenolic monomers

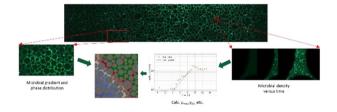
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Experimental and numerical investigation of microbial growth in two-phase saturated porous media at the pore-scale

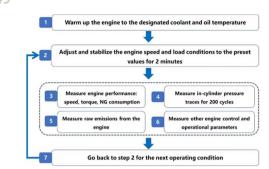
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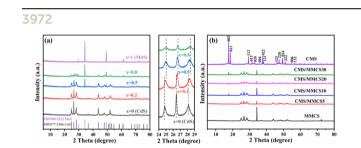


Effects of piston shapes and swirl ratios on combustion and emissions of a micro diesel pilot-ignition natural gas engine

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Enhancement of formic acid formation by nitrogendoped graphene oxide nanosheets decorated with Sn nanoparticles in electrochemical CO₂ reduction

Yuma Tano, Muhammad Sohail Ahmad,^{*} Yuya Watase, Tatsuki Tsugawa, Satoko Takase, Yusuke Inomata, Kazuto Hatakeyama, Shintaro Ida, Quitain Armando, Youichi Shimizu and Tetsuya Kida^{*}



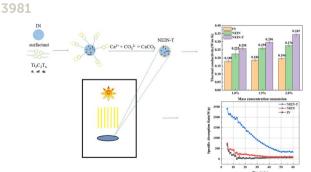
WE (Cathode)

M KOH

1M KOH

$MnS/Mn_{0.5}Cd_{0.5}S$ nanorods modified with Cu_2MoS_4 nanoplates for efficient photocatalytic hydrogen evolution

Jingjing Jiang, Chao Liu, Xiaolong Fang* and Fengjun Zhang



Enhanced thermal conductivity and photothermal conversion efficiency of MXene-doped sugar alcohol nanocapsules for medium-temperature solar utilization

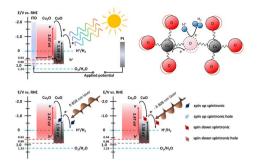
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Fatih Okumuş,* Halil İbrahim Sönmez, Aykut Safa, Cenk Kaya and Görkem Kökkülünk

