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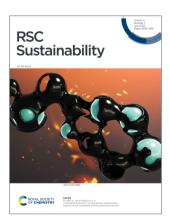
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See Yumiko Takagi and Toshiyuki Itoh, pp. 2750-2778. Image reproduced by permission of Yumiko Takagi and Toshiyuki Itoh from RSC Sustainability, 2025, **3**, 2750.



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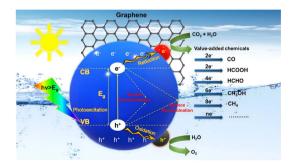
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Elish Chambers, Matthew Hassall, Dominic Johnson, Conall Mcgoran, Olivia Williams, Aden Blair, Freddie Catlow and Basudeb Saha*



Unlocking the carbon dioxide photoreduction potential of graphene-derived catalysts: mechanisms, product selectivity, and challenges

Manisha Sain, Debanjali Dey, Ramkrishna Sen and Shamik Chowdhury*







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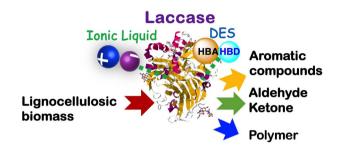
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Advancing laccase-catalysed depolymerisation of lignocellulosic biomass with the help of ionic liquids or deep eutectic solvents

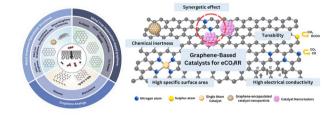
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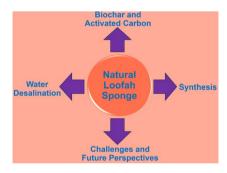
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Susmi Anna Thomas,* Jayesh Cherusseri* and Deepthi N. Rajendran*

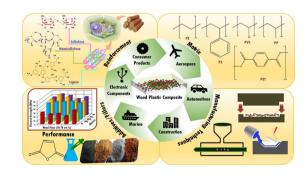


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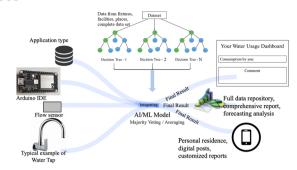
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Frederik Jæger, Albert Abildtrup Pedersen, Peter Stensgaard Wacherhausen, Aleksandra Smolska and Jonathan Quinson*

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Julie Christine Hamer Larsen, Astrid Nymann Porsgaard, Leander Vinding, Aleksandra Smolska and Jonathan Quinson*

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INTEGRATED FRACTIONATION AND TEMPLATING OF LIGNIN



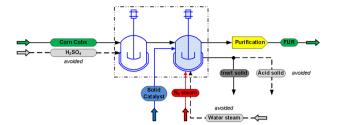
Integrated fractionation and templating of lignin using magnesium for sustainable and tailored porous carbon

Angelo Robiños, Hao Zhang, Zekra Mousavi, Tor Laurén, Jan-Henrik Smått, Leena Hupa, Chunlin Xu* and Johan Bobacka*

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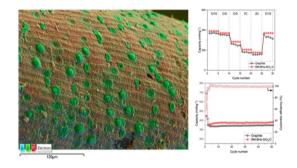
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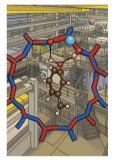
Integrated experimental and theoretical insights into CO₂ fixation: tetraazamacrocyclic catalysts in ionic liquids for cyclic carbonate formation

Jessica Honores,* Diego Quezada, María B. Camarada, Galo Ramirez and Mauricio Isaacs*

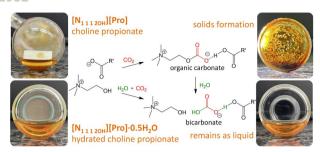
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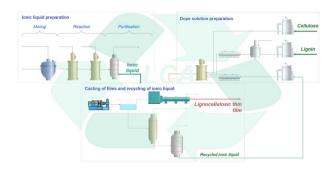
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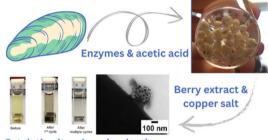
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Modification of calcium carbonate from blue mussel shells with copper oxide nanoparticles

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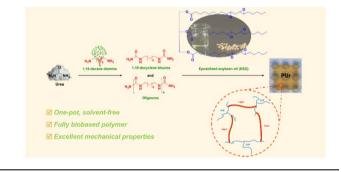


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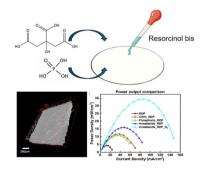
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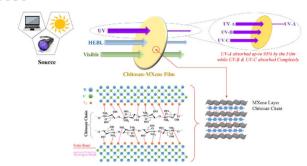
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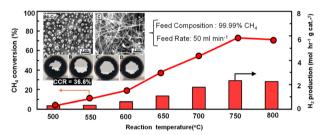
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Transparent and flexible MXene-chitosan nanocomposite film for effective UV and high-energy blue light shielding applications

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Methane decomposition using a Ni-Cu-based hollow-wall-structured catalyst prepared by combined electroless plating

Prithvi Rasaili, Ryo Watanabe,* Hiroshi Akama and Choji Fukuhara*

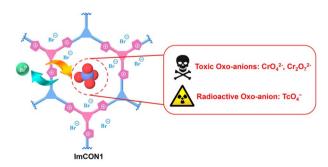
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Sustainable packaging solutions: harnessing primary sludge cellulosic fibres in foamed starch materials *via* injection moulding

Susana C. Pinto,* Bernardo Graça, Vasco G. Lopes and Dmitry. V. Evtuguin*

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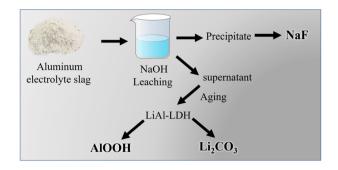
A novel cationic organic network for ultra-fast and high-capacity removal of toxic oxo-anions from water

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Recovery of valuable metals from lithium-containing aluminum electrolyte slag via an NaOH leachingaging-water leaching process

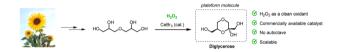
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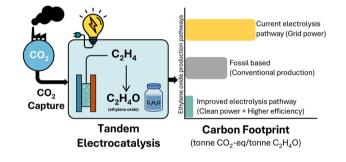
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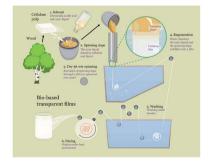
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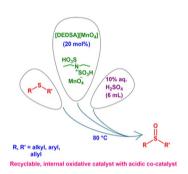
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Semi-continuous, industrial-like production of transparent cellulose films by means of the Lyocelltype Ioncell® process

Eva González Carmona, Inge Schlapp-Hackl, Kaarlo Nieminen, Wenwen Fang, Seppo Jääskeläinen, Kalle Salonen, Hannes Elmer, Helena Westerback, Herbert Sixta and Michael Hummel*



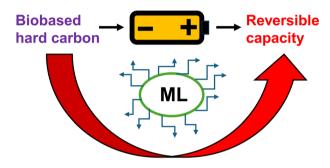
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Sangeeta Kalita, Niharika Kashyap, Prapti Priyam Handique, Debanga Bhusan Bora and Ruli Borah*

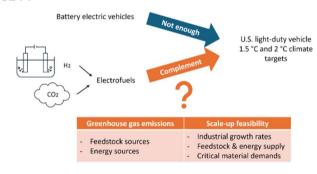
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Machine learning prediction of the reversible capacities of a biomass-derived hard carbon anode for sodium-ion batteries

Stephen Yaw Owusu*

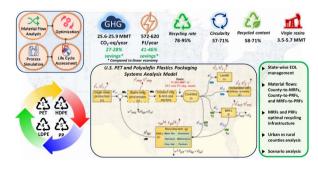
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