

Green Chemistry

Cutting-edge research for a greener sustainable future

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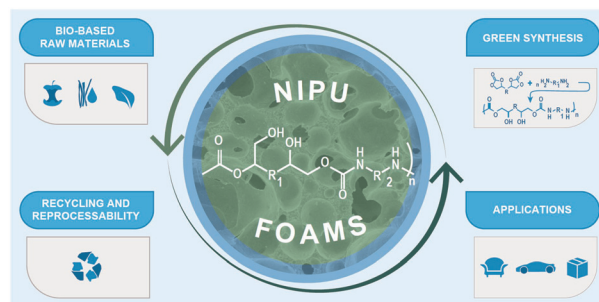
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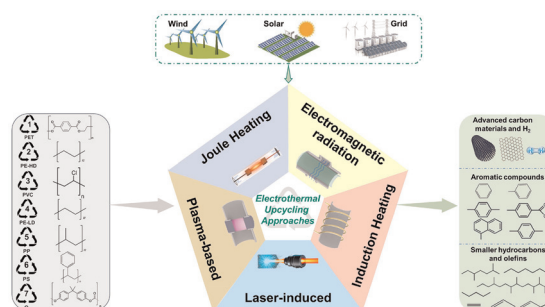


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Electrothermal upcycling of plastic waste

Chunlin Luo, Shuai Liu, Tao Wu, Jianli Hu and Yuxin Wang*



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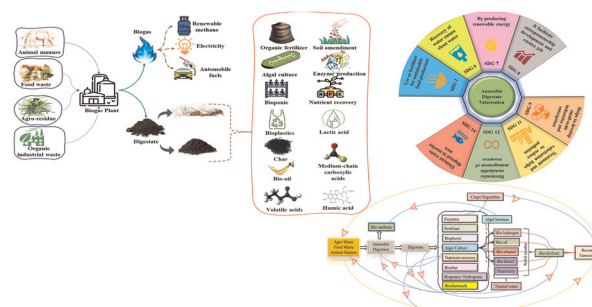


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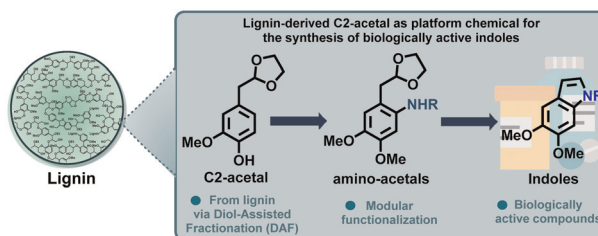


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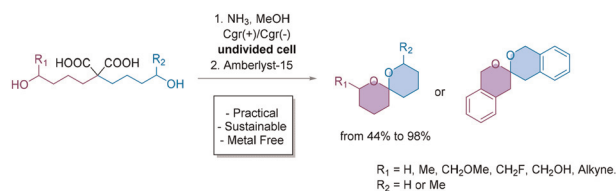
Antonio A. Castillo-Garcia, Jörg Haupenthal, Anna K. H. Hirsch and Katalin Barta*



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Marylise Triacca, Carl D. Reens, Hamish Stephen and Kevin Lam*

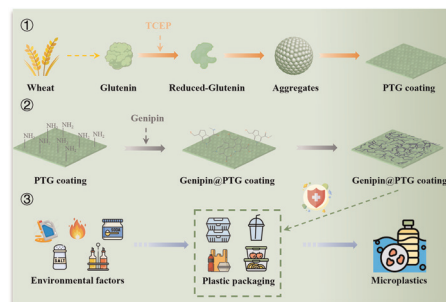


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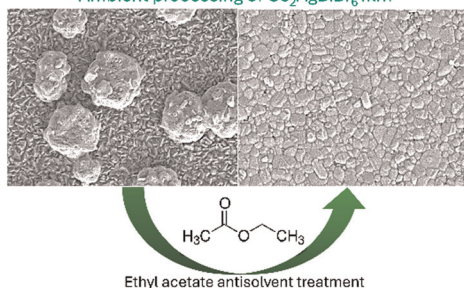
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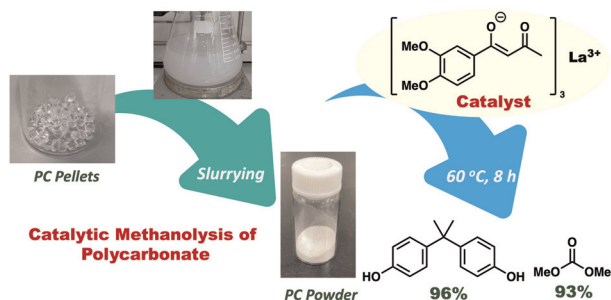
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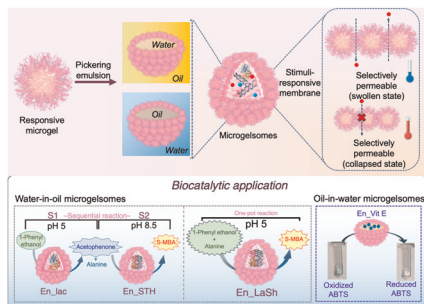
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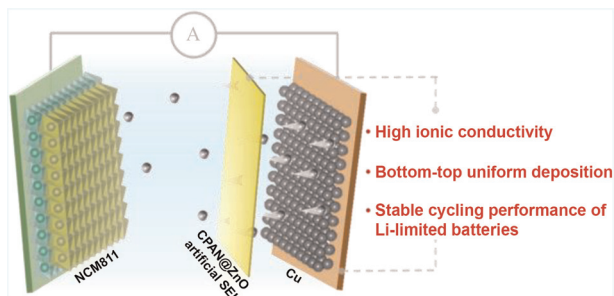
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High ionic conductivity conjugated artificial solid electrolyte interphase enabling stable lithium metal batteries

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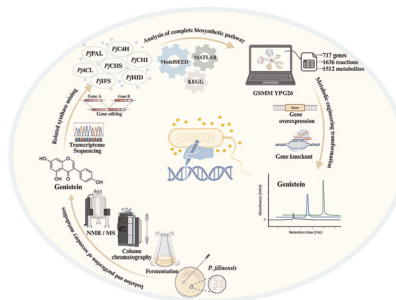


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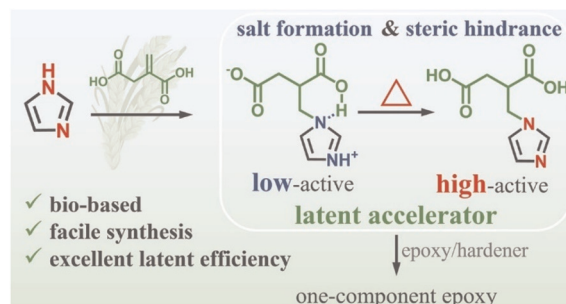
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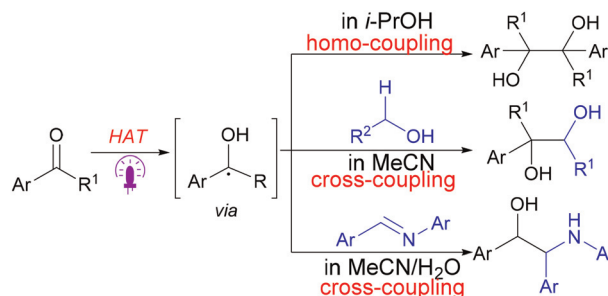
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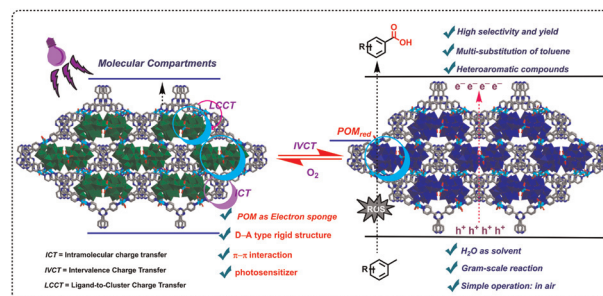
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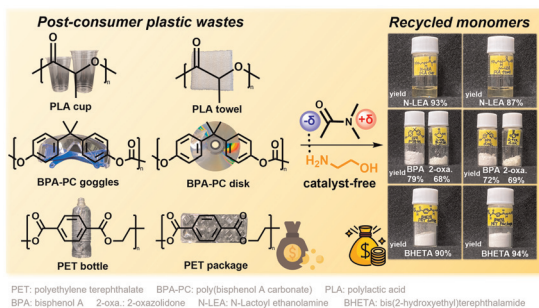
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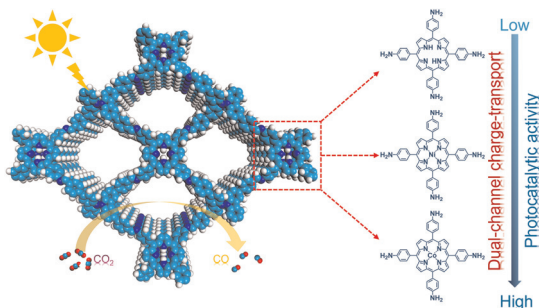
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Solvent-promoted catalyst-free aminolytic degradation for chemical recycling of single and mixed plastic wastes

Kai Cheng, Yu-I. Hsu* and Hiroshi Uyama*

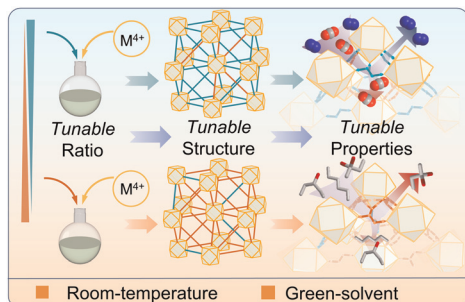
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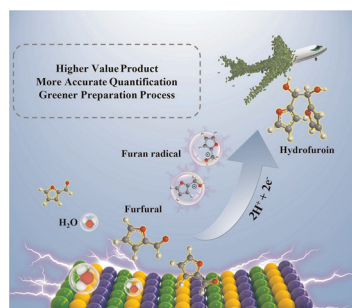
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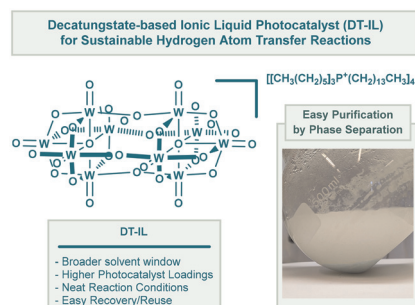
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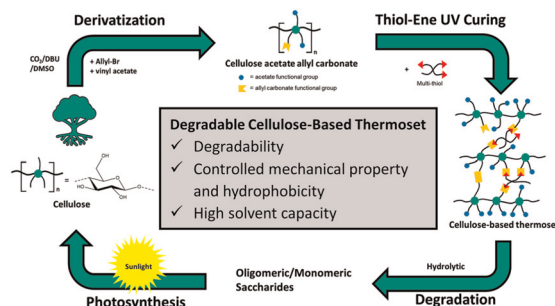
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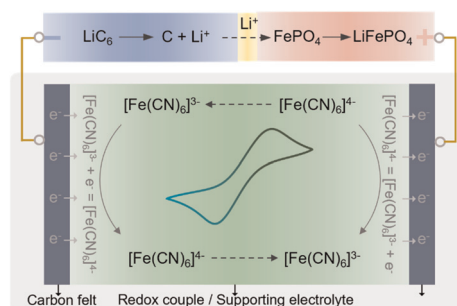
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An electrochemical resistor for discharging spent lithium-ion batteries: discharging mechanism and environmental impact analysis

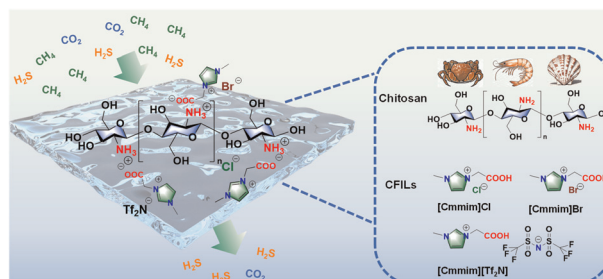
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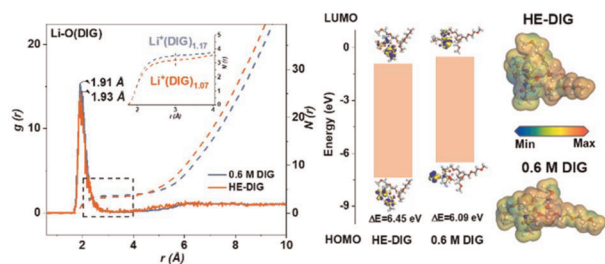
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Carboxyl-functionalized ionic liquids enable green preparation of chitosan-based ionic gel membranes for H₂S separation

Ping Zhang, Hao Zhu, Zhuoheng Tu,* Xingbang Hu and Youting Wu*



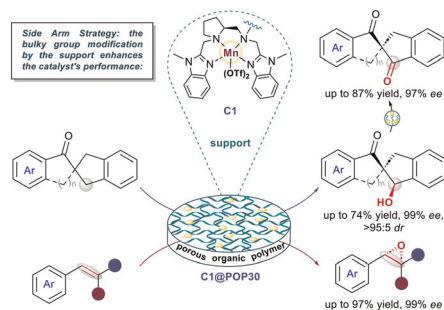
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An entropy-driven multi-anionic electrolyte for Li-ion batteries with high voltage stability and superior temperature adaptability

Jia-Zhen Zhao, Fu-Da Yu,* Hai-Nan Wang, Ji-Huai Wu, Zhang Lan, Yi-Ming Xie and Lan-Fang Que*

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Supported manganese catalysts achieve highly efficient C–H bond oxidation and olefin epoxidation

Yirui Chen, Yuqi Cheng, Wanting Tong, Hangtao Wu, Chuhan Zhao, Dingguo Song, Fei Ling* and Weihui Zhong*

