

Green Chemistry

Cutting-edge research for a greener sustainable future

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See Weirong Yao et al.,
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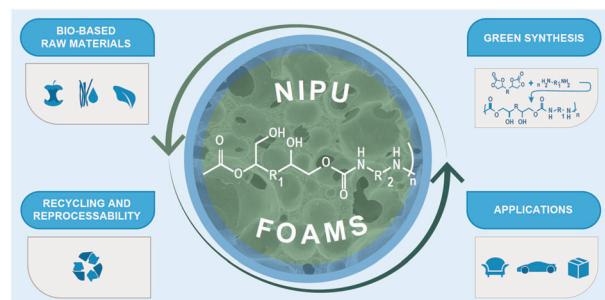
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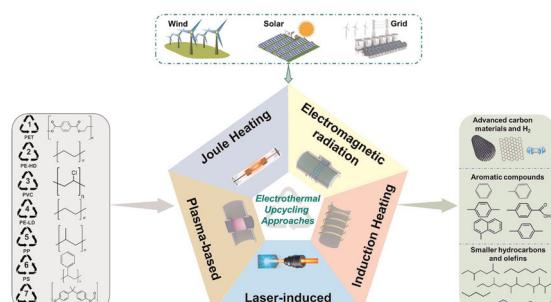


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Electrothermal upcycling of plastic waste

Chunlin Luo, Shuai Liu, Tao Wu, Jianli Hu and
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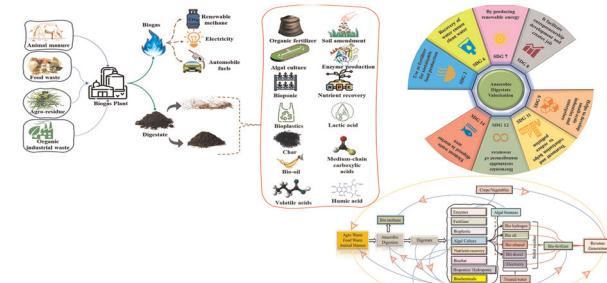
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Samuel Jacob, Debajyoti Kundu,*

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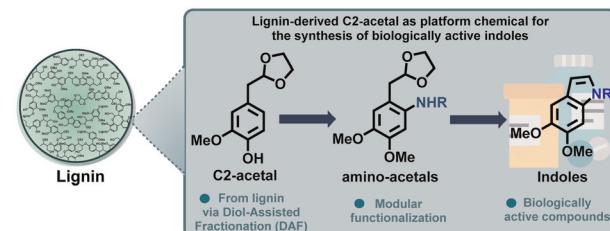


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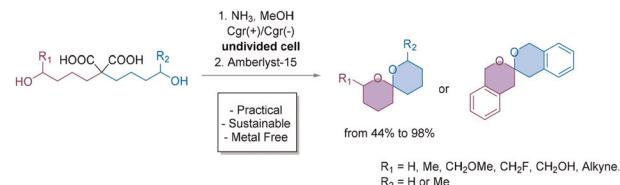
Antonio A. Castillo-Garcia, Jörg Haupenthal, Anna K. Hirsch and Katalin Barta*



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eSpiro: A scalable and sustainable electrosynthetic route to spiroketals via anodic oxidation of malonic acids

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

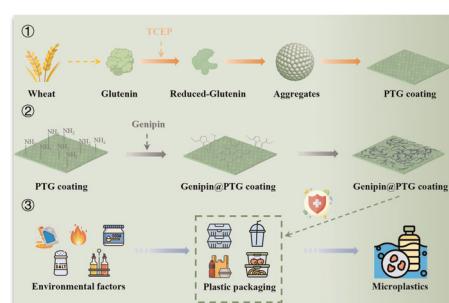


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A self-adhesive glutenin-based coating cross-linked by genipin for suppressing microplastic shedding in harsh environments

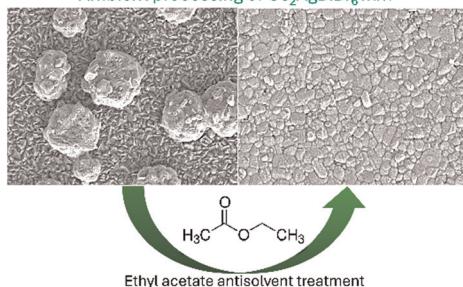
Yulun Chen, Qingrun Liu, Jianjun Ding, Shaofeng Yuan, Hang Yu, Yahui Guo, Yuliang Cheng, He Qian and Weirong Yao*



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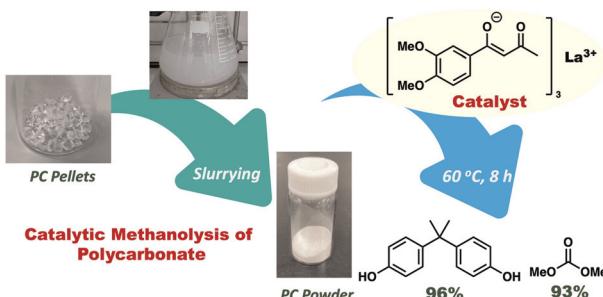
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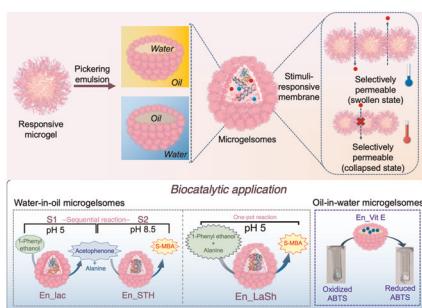
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Efficient low-temperature depolymerization of polycarbonate catalyzed by lanthanum β -diketonate complexes

Yuho Kinbara, Haruro Ishitani* and Shū Kobayashi*

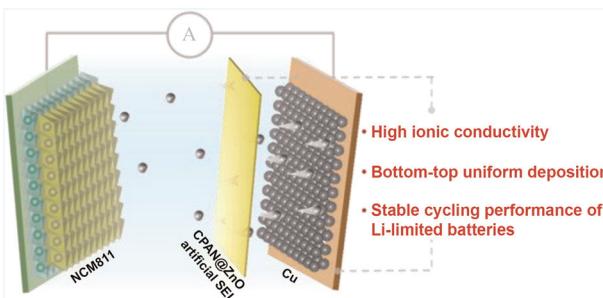
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Microgel-engineered temperature-responsive microcapsules at liquid interfaces for sequential biocatalytic reactions

Divya Gaur, Wasia Khanam, Nidhi C. Dubey and Bijay P. Tripathi*

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

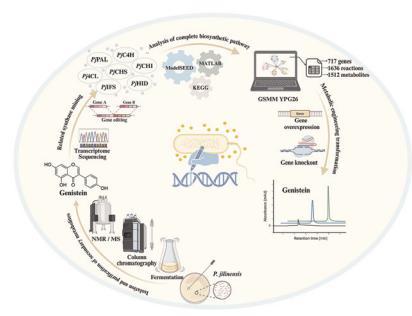
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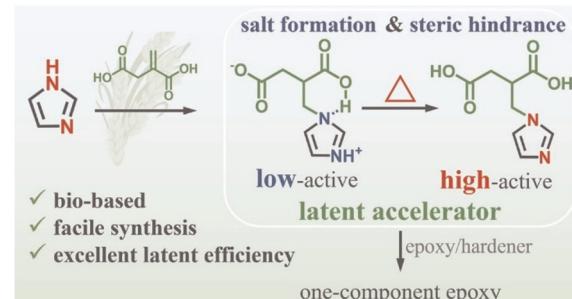
Jia Bao Zhang, Wei Chen, Yong Jun Yang* and Zhen Zhen Liu*



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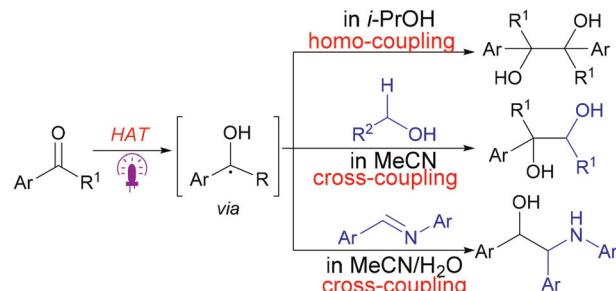
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Direct metal-free homo-/cross-coupling of carbonyls with alcohols or imines under ambient light

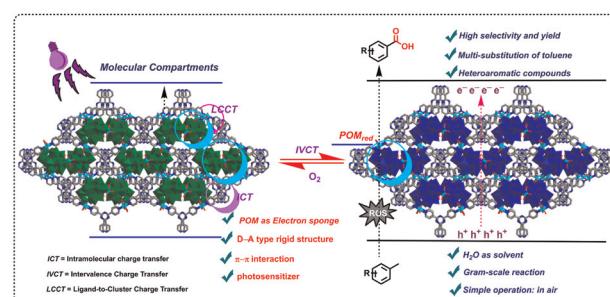
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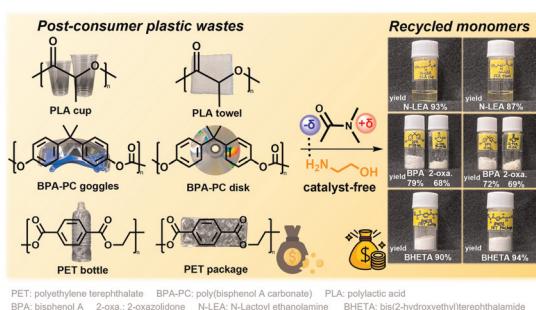
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Jiachen Jiao, Chuanbao Zhang, Hui Sun, Haina Hu, Ziqing Xu, Junwei Zhao, Qiuxia Han* and Pengtao Ma*



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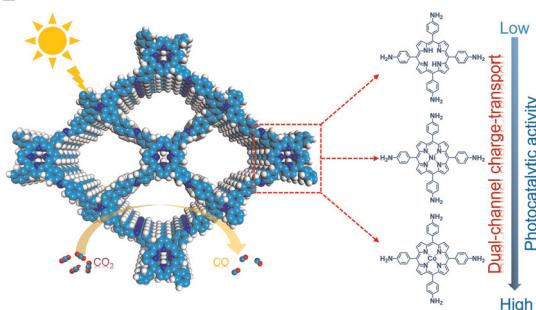
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Solvent-promoted catalyst-free aminolytic degradation for chemical recycling of single and mixed plastic wastes

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

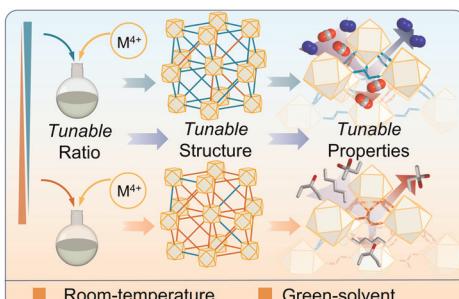
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Yize Zhang, Haobo Xu, Hangshuai Li, Junrong Jiao,* Xin Wen, Qinggang Meng and Xingwang Lan*

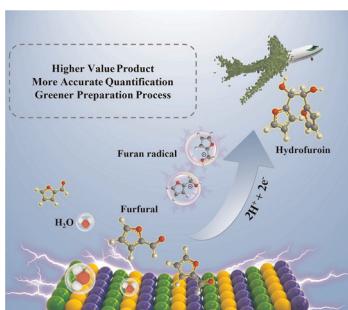
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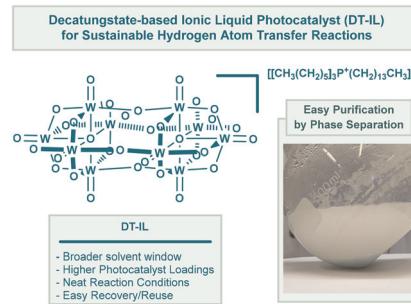


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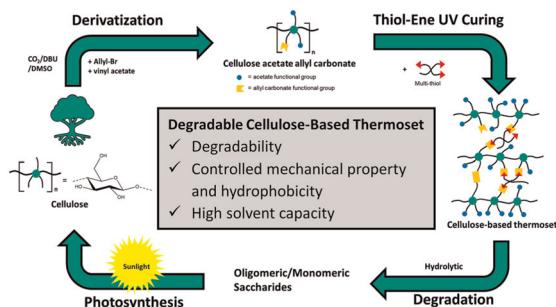
Miguel Claros, Julian Quévarec, Sara Fernández-García and Timothy Noël*



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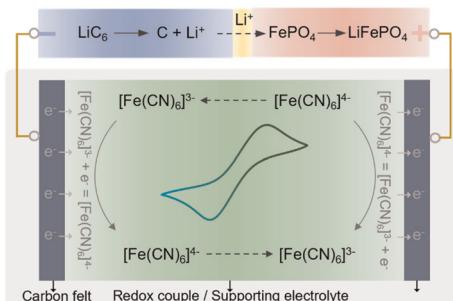
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An electrochemical resistor for discharging spent lithium-ion batteries: discharging mechanism and environmental impact analysis

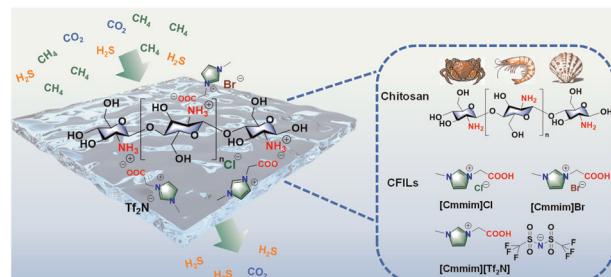
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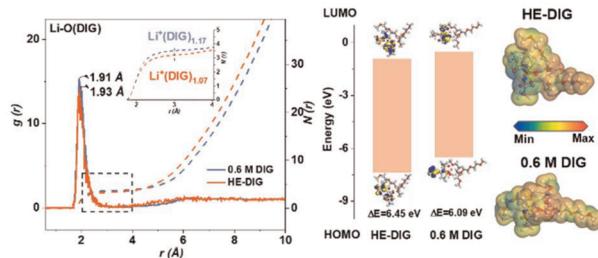
Carboxyl-functionalized ionic liquids enable green preparation of chitosan-based ionic gel membranes for H₂S separation

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



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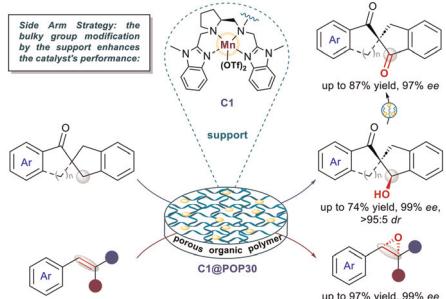
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An entropy-driven multi-anionic electrolyte for Li-ion batteries with high voltage stability and superior temperature adaptability

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*

