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Cutting-edge research for a greener sustainable future

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Cover
See Amy S. Cannon *et al.*, pp. 6983–6993.

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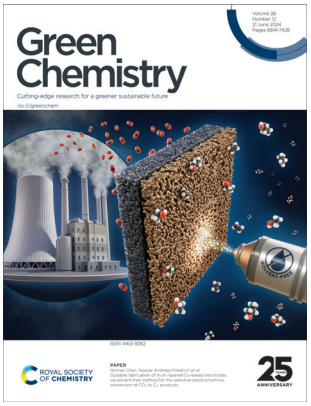

Inside cover
See Qinhao Chen, Kaspar Andreas Friedrich *et al.*, pp. 7038–7047.

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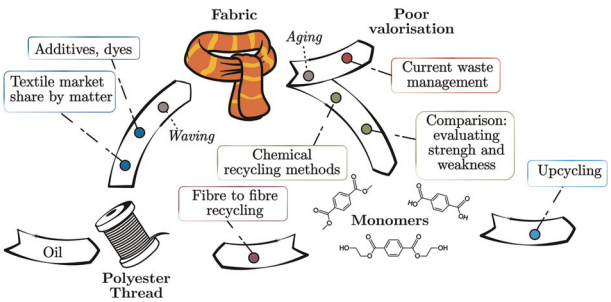
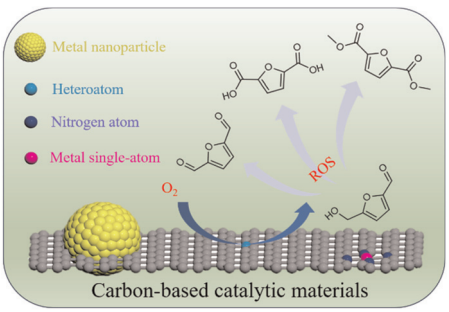
CRITICAL REVIEWS





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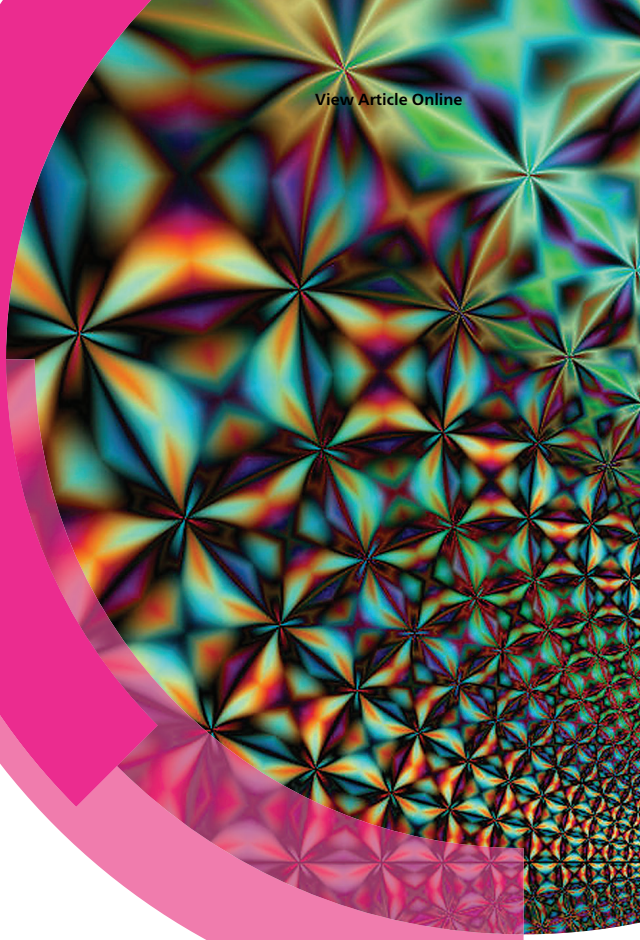

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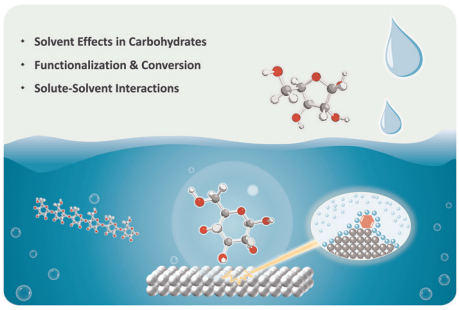

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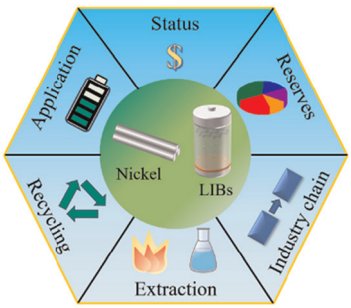

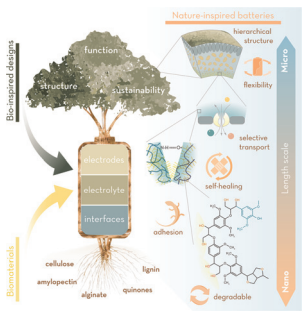

PERSPECTIVE

A promise to a sustainable future: 10 years of the Green Chemistry Commitment at Beyond Benign

Amy S. Cannon,* John C. Warner, Juliana L. Vidal, Natalie J. O'Neil, Monica M. S. Nyansa, Nimrat K. Obhi and Jonathon W. Moir

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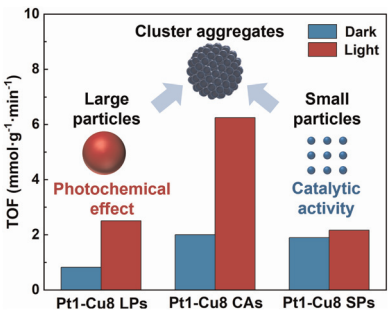
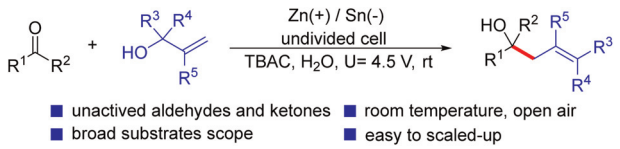


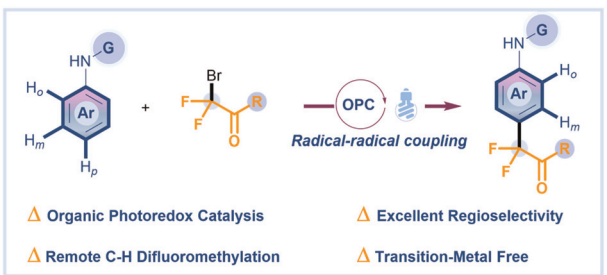
Enhanced photochemical effects of plasmonic cluster catalysts through aggregated nanostructures

Xu Hu, Zhijie Zhu, Yuxuan Zhou, Shuang Liu, Chunpeng Wu, Jiaqi Wang, Yihao Shen, Tianran Yan, Liang Zhang, Jinxing Chen, Kai Feng, Alexander Genest, Günther Rupprechter, Xingda An,* Chaoran Li* and Le He*



Electrochemical allylation of aldehydes and ketones with allylic alcohols

Jiatai Zhang, Lanlan Zhang, Wei Xie, Meng Chen, Chao Zhang, Yali Qin, Jianyou Zhao, Fan Wang and Zhong-Quan Liu*



Direct remote Csp^2–H transformation of aromatic amines enabled by organophotoredox catalysis

Quan Gou,* Mengting Yu, Qianqiong Chen, Chengyi Gu, Qianhua Zhu, Ruoxi Ding, Mi Tang, Qingsheng Zhao,* Jianwei Shi and Huisheng Huang*

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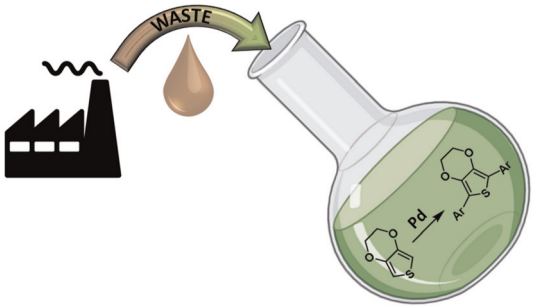

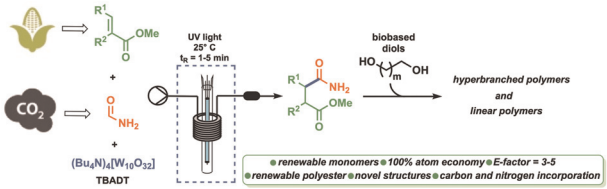

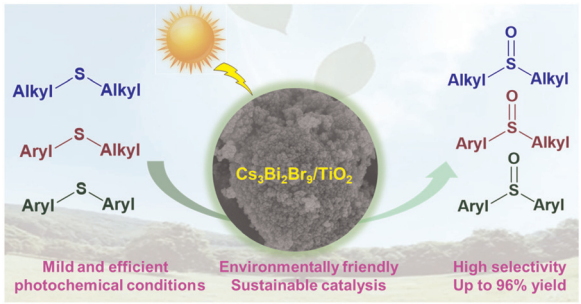

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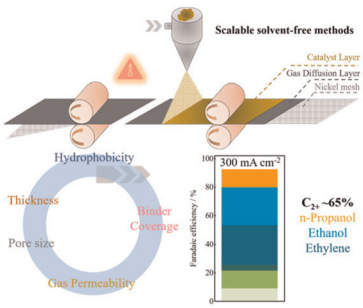

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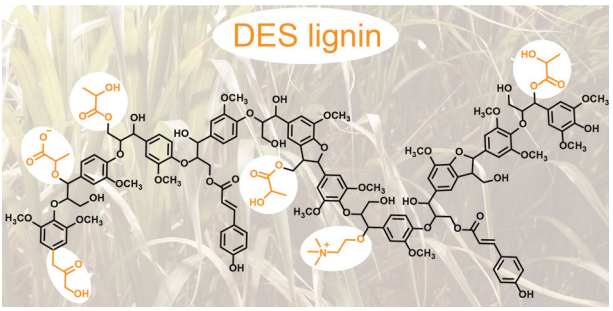

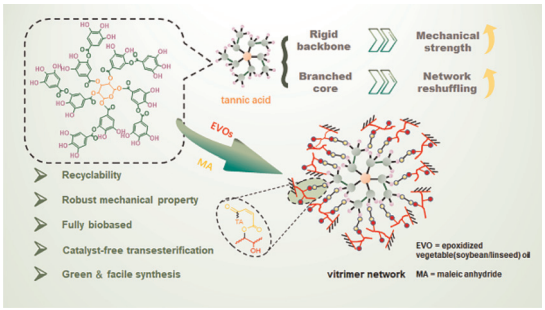

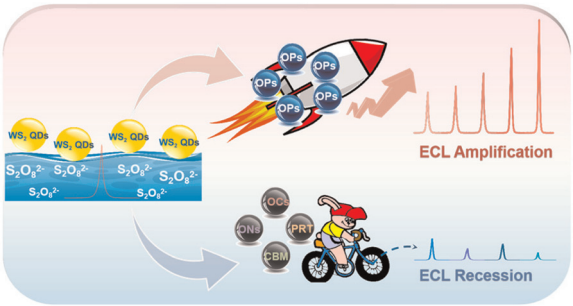

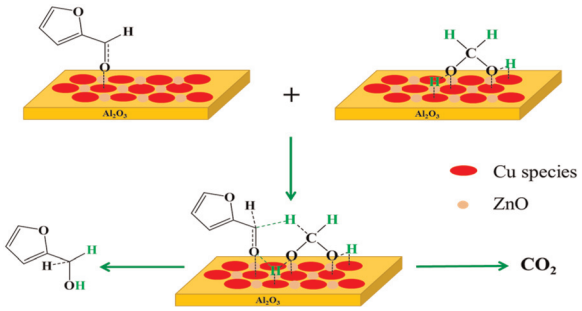

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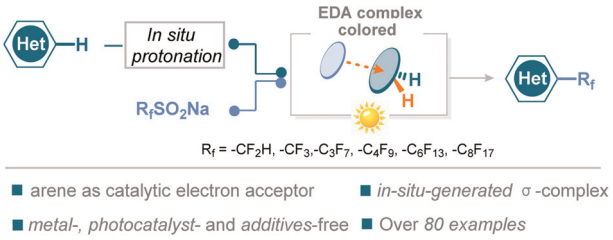

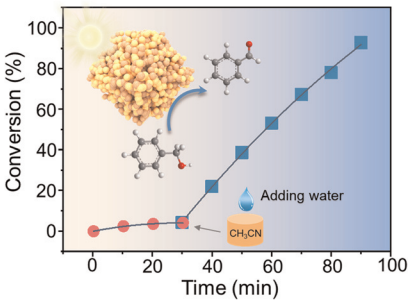

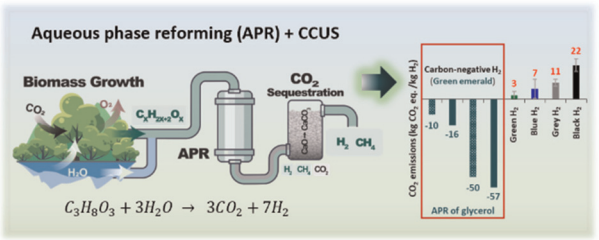

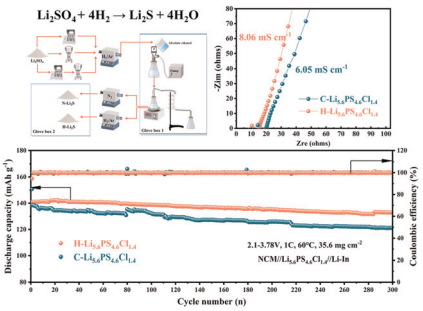

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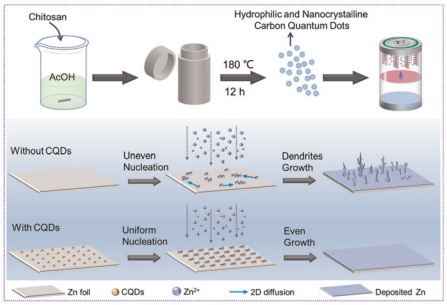

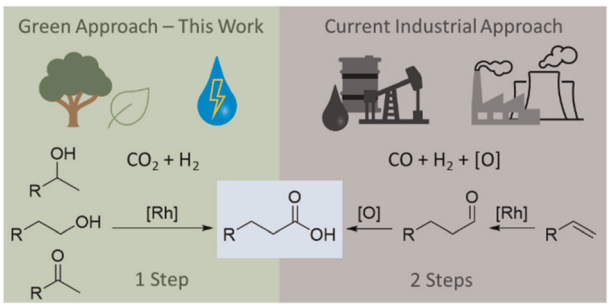

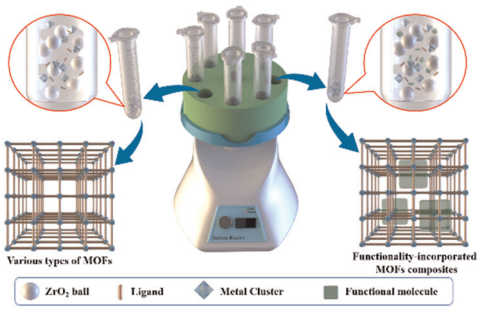

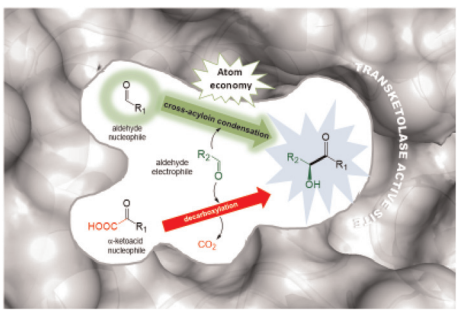

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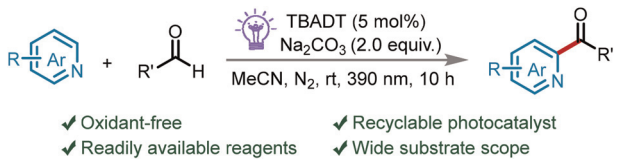

Decatungstate-photocatalyzed direct acylation of N-heterocycles with aldehydes

Zhiyang Zhang, Fukun Cheng, Xinyu Ma, Kai Sun,* Xianqiang Huang, Jiangzhen An, Mei Peng, Xiaolan Chen and Bing Yu*

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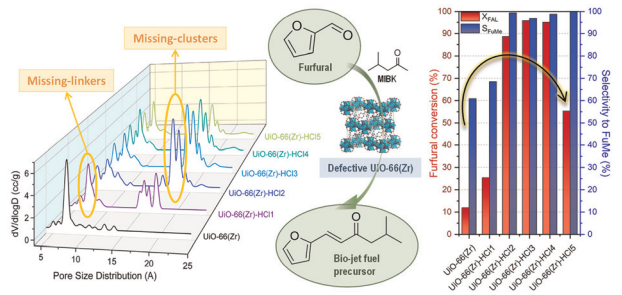

Boosting the activity of UiO-66(Zr) by defect engineering: efficient aldol condensation of furfural and MIBK for the production of bio jet-fuel precursors

María Sanz, Pedro Leo, Carlos Palomino, Marta Paniagua, Gabriel Morales and Juan A. Melero*

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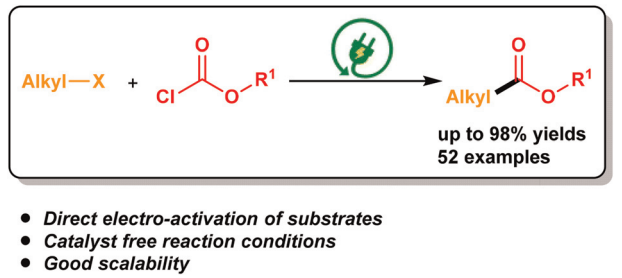

Electrochemically driven cross-electrophile esterification of alkyl halides

Yu Liu, Shentong Xie, Yuqing Yin, Ming Lu, Pengcheng Wang* and Renyi Shi*

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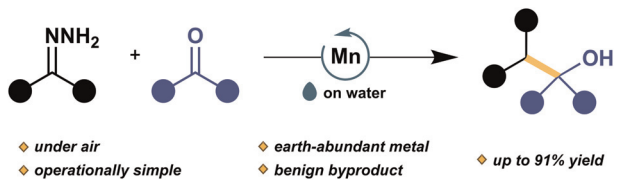

Manganese-catalyzed nucleophilic addition of aldehydes to carbonyl compounds *via* hydrazone umpolung on water

Jan Michael Salgado, Durbis J. Castillo-Pazos, Juan D. Lasso, Konstantin L. Stock and Chao-Jun Li*

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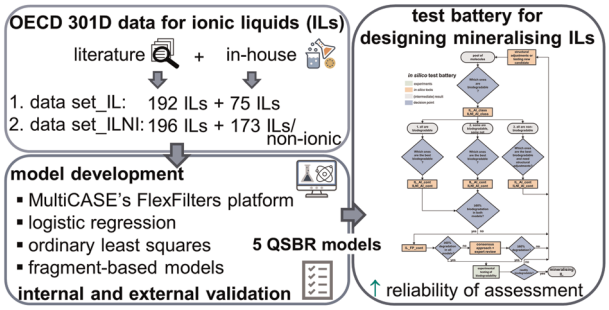

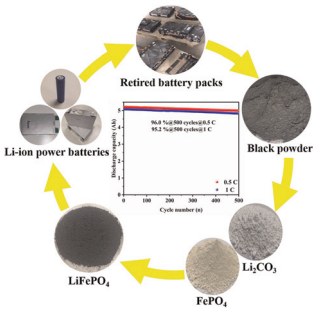

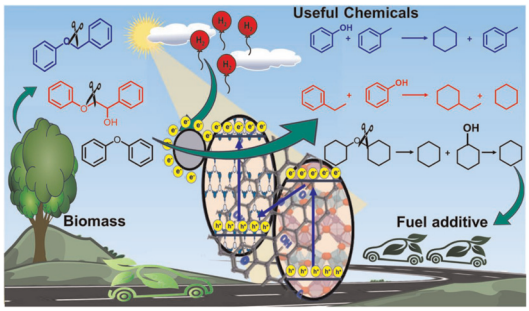

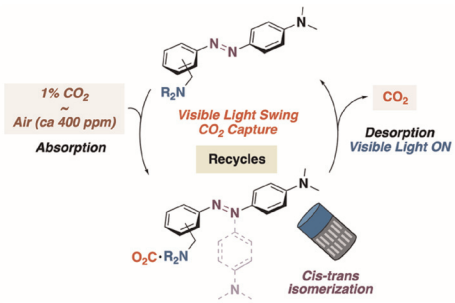

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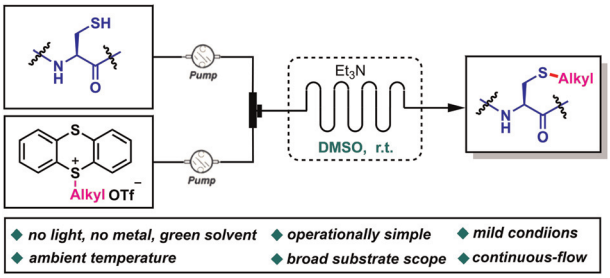
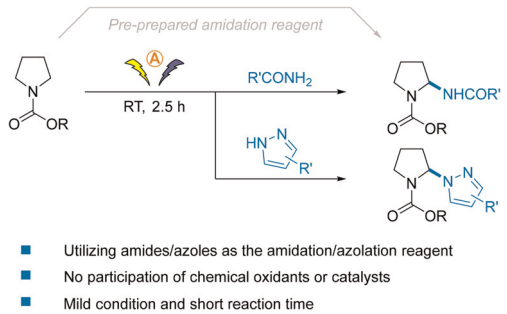


S-Alkylation of cysteine-containing peptides using thianthenium salts as an alkyl source in flow

Hao Lv, Jie Liu, Long-Zhou Qin, Hao Sun, Jian Wang, Shan-Shan Zhu, Xiu Duan, Xin Yuan,* Jiang-Kai Qiu* and Kai Guo*



Electrochemical direct α-amidation and α-pyrazolation of *N*-alkoxy- and *N*-aryloxycarbonyl pyrrolidines

Zhuang Wang, Yuxiu Liu, Hongjian Song and Qingmin Wang*

CORRECTIONS

Correction: Characterization of polymer properties and identification of additives in commercially available research plastics

Amy A. Cuthbertson, Clarissa Lincoln, Joel Miscall, Lisa M. Stanley, Anjani K. Maurya, Arun S. Asundi, Christopher J. Tassone, Nicholas A. Rorrer* and Gregg T. Beckham*

Correction: Microwave facile preparation of highly active and dispersed SBA-12 supported metal nanoparticles

Juan Manuel Campelo, Tomas David Conesa, Maria Jose Gracia, Maria Jose Jurado, Rafael Luque,* Jose Maria Marinas and Antonio Angel Romero