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Cutting-edge research for a greener sustainable future

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IN THIS ISSUE

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Cover
See Haruo Kawamoto *et al.*, pp. 2583–2595.

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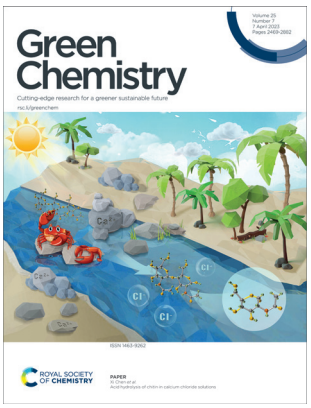

Inside cover
See Xi Chen *et al.*, pp. 2596–2607.

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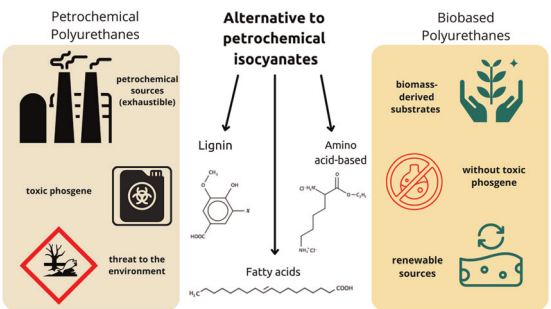
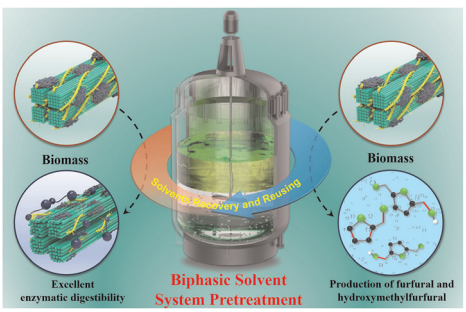
CRITICAL REVIEWS





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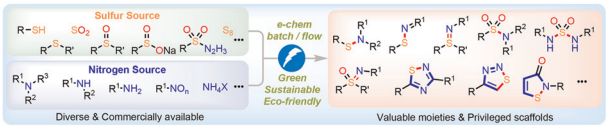

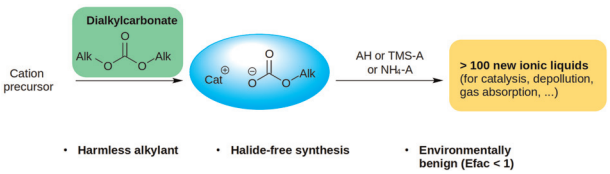

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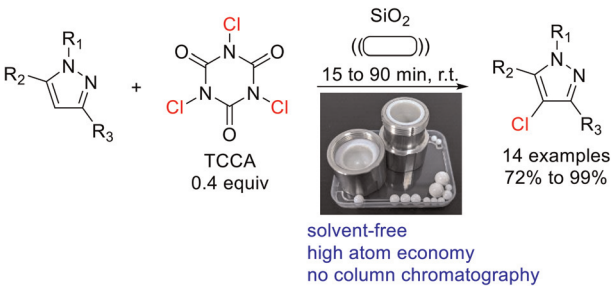

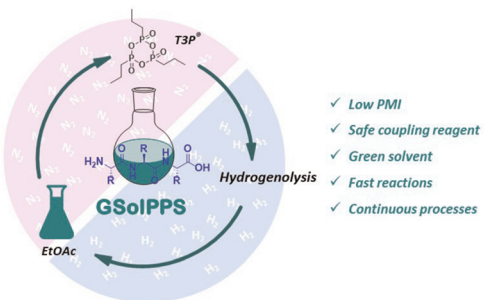

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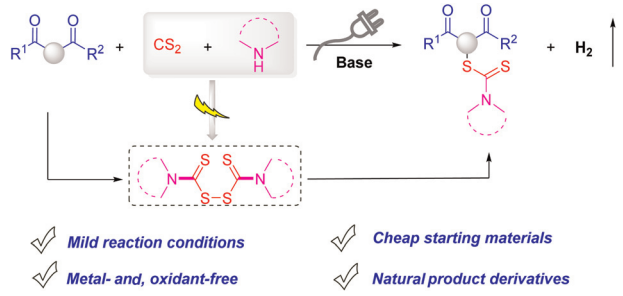
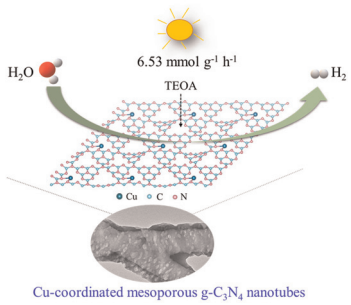


Electrochemically driven α-thiocarbamylation *via* a dehydrocoupling strategy of β-ketoesters with amines and CS_2

Qian Wang, Xiu-Jin Meng, Hai-Tao Tang, Ying-Ming Pan,* Wen-Gui Duan* and Mu-Xue He*



Facilitated photocatalytic H_2 production on Cu-coordinated mesoporous g-C_3N_4 nanotubes

Zhuizhui Su, Jianling Zhang,* Zhonghao Tan, Jingyang Hu, Fengtao Zhang, Ran Duan, Lei Yao, Buxing Han, Yingzhe Zhao and Yisen Yang

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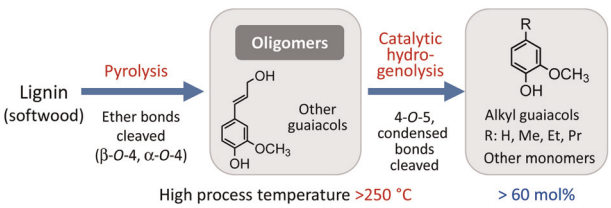
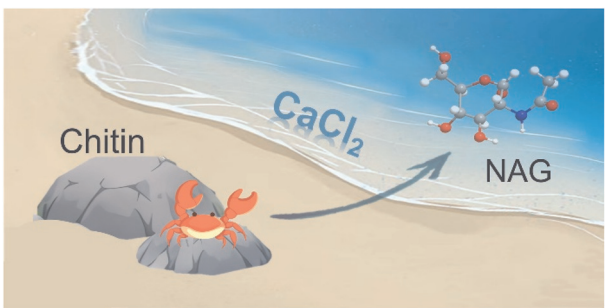


Pyrolysis-assisted catalytic hydrogenolysis of softwood lignin at elevated temperatures for the high yield production of monomers

Jiaqi Wang, Eiji Minami and Haruo Kawamoto*



Acid hydrolysis of chitin in calcium chloride solutions

Yudi Wang, Jia Kou, Xuewei Wang and Xi Chen*

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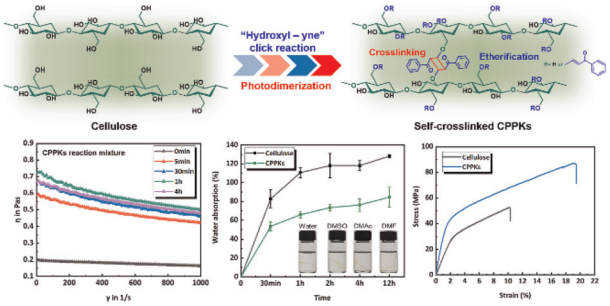

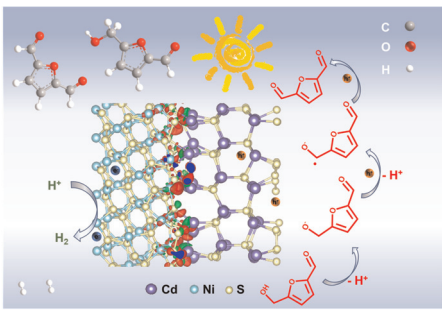

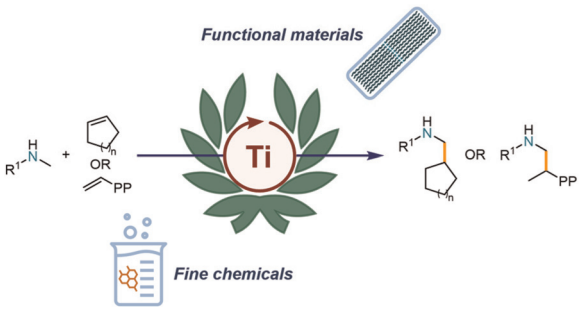

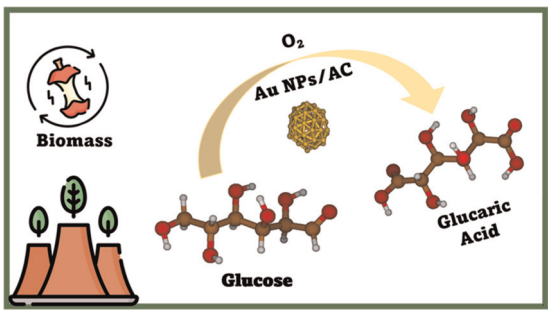

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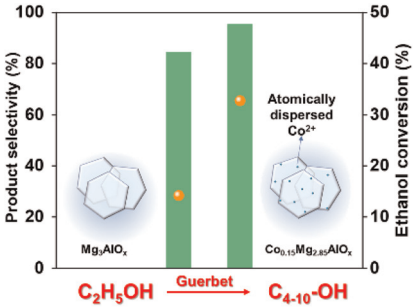
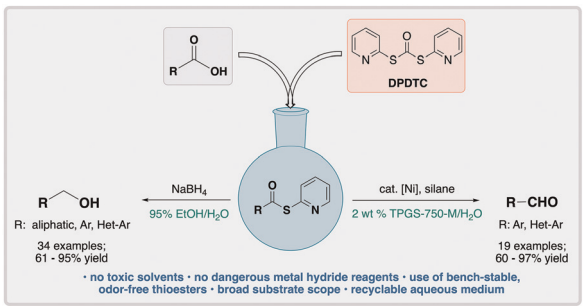
2653



Atomically dispersed Co^{2+} on $MgAlO_x$ boosting C_{4-10} alcohols selectivity of ethanol valorization

Wen-Lu Lv, Lei He, Wen-Cui Li, Bai-Chuan Zhou, Shao-Pei Lv and An-Hui Lu*

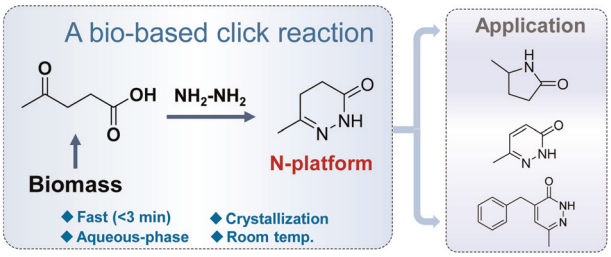
2663



Facile, green, and functional group-tolerant reductions of carboxylic acids...in, or with, water

Karthik S. Iyer, Chandler Nelson and Bruce H. Lipshutz*

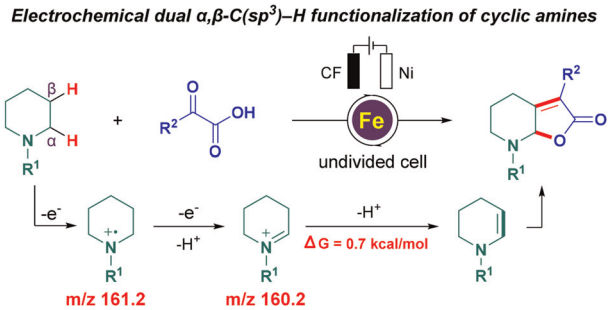
2672



A bio-based click reaction leading to the dihydropyridazinone platform for nitrogen-containing scaffolds

Jia-Yue Chen, Yao-Bing Huang,* Bin Hu, Ke-Ming Li, Ji-Long Zhang, Xuan Zhang, Xia-Yun Yan and Qiang Lu*

2681



Electrochemical dual α,β-C(sp^3)–H functionalization of cyclic *N*-aryl amines

Tian Feng, Zile Zhu, Dongmei Zhang, Siyi Wang, Ruopu Li, Zhaolin Zhu, Xinxing Zhang* and Youai Qiu*

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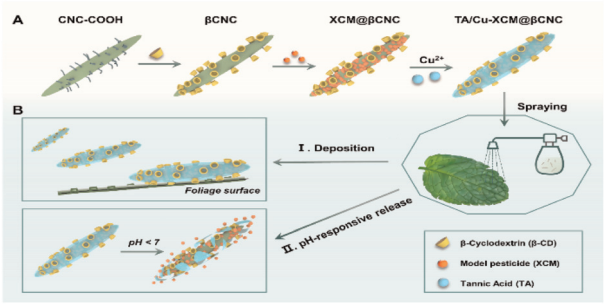

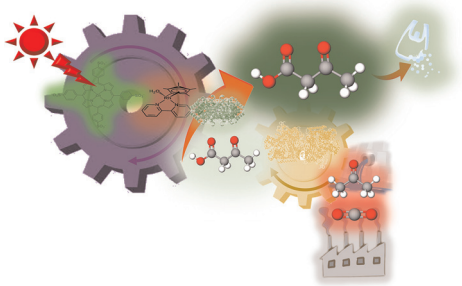

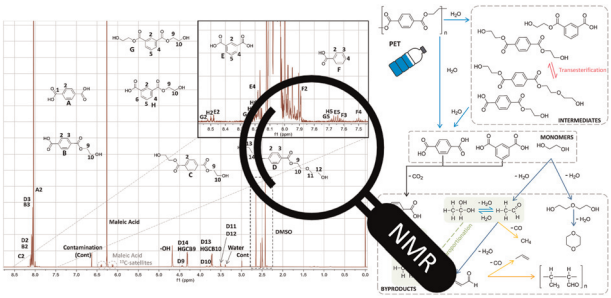

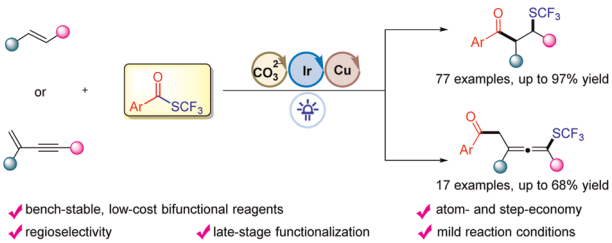

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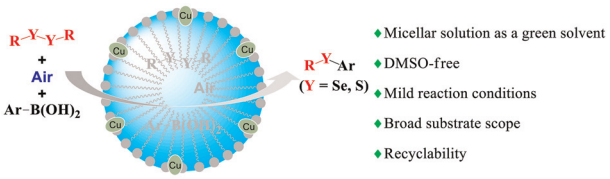

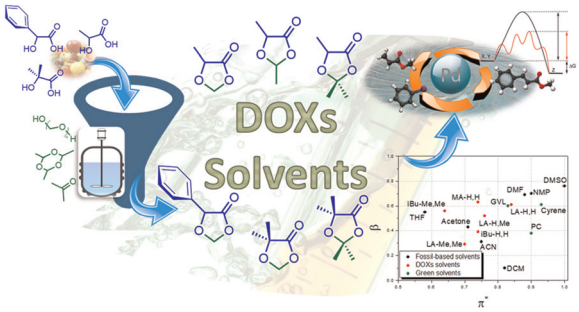

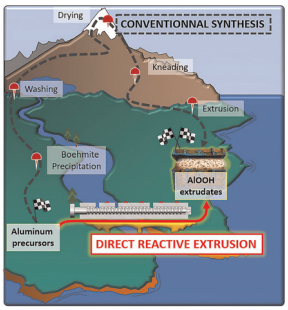

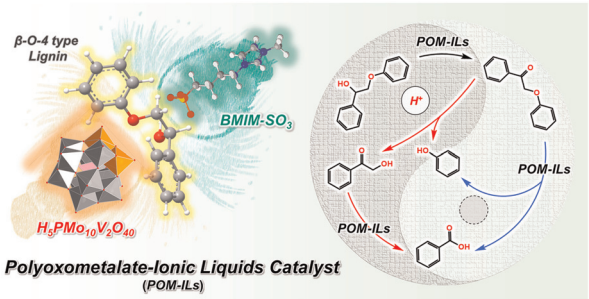

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