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Cutting-edge research for a greener sustainable future

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

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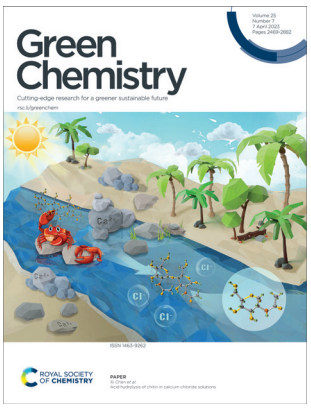

Inside cover
See Xi Chen *et al.*, pp. 2596–2607.

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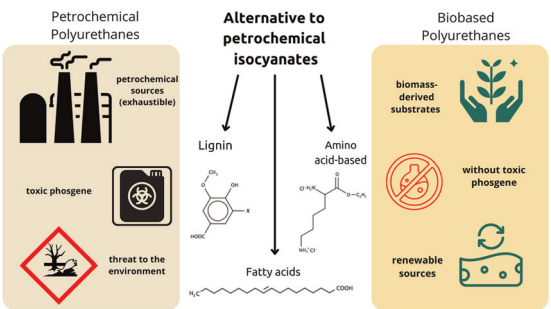
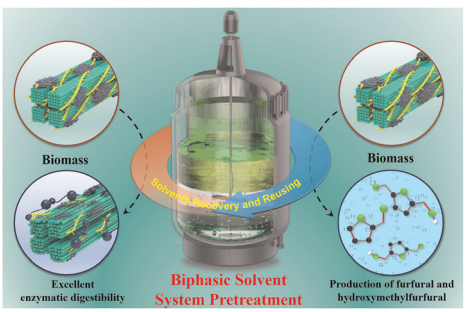
CRITICAL REVIEWS





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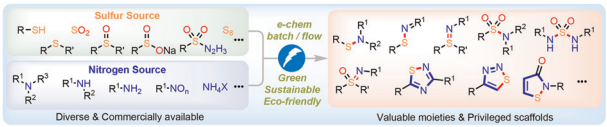

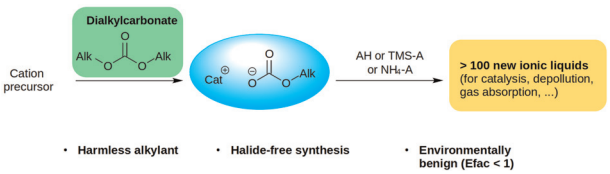

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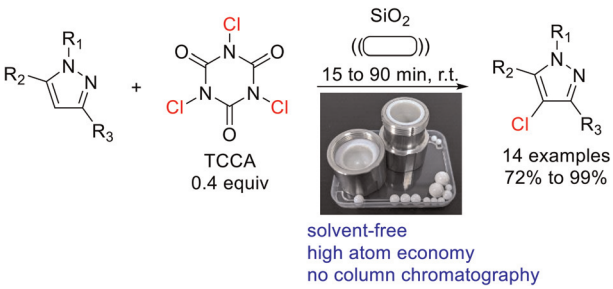

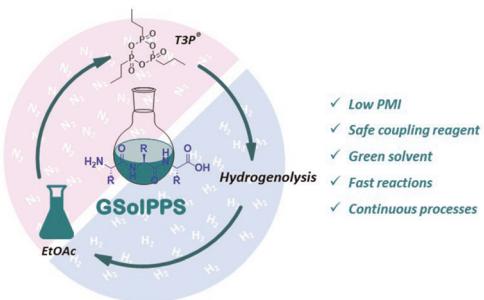

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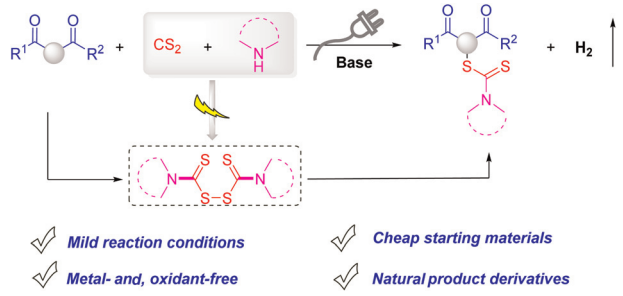
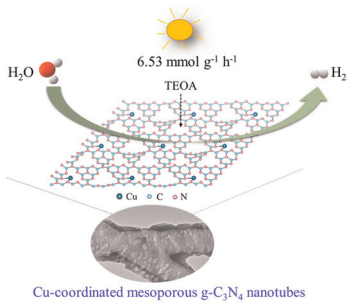


Electrochemically driven α-thiocarbamylation *via* a dehydrocoupling strategy of β-ketoesters with amines and CS_2

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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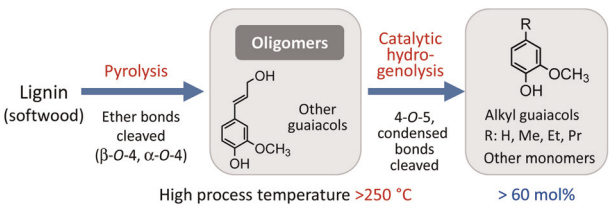
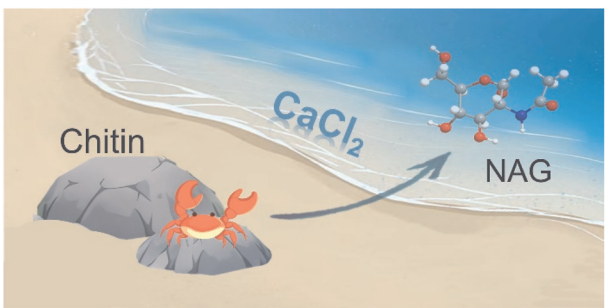


Pyrolysis-assisted catalytic hydrogenolysis of softwood lignin at elevated temperatures for the high yield production of monomers

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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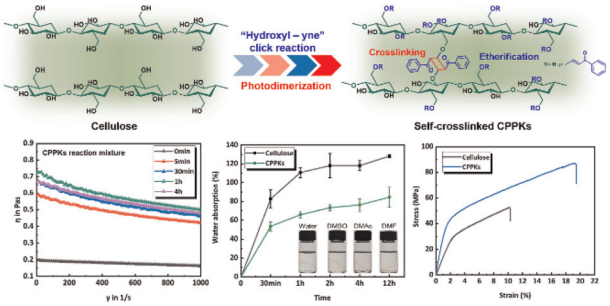

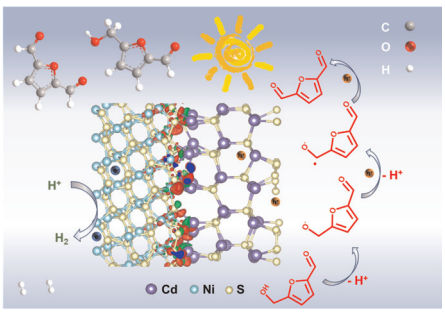

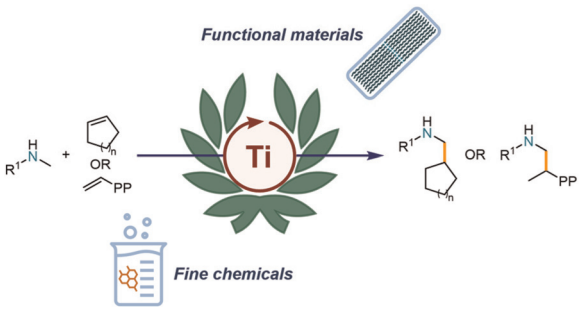

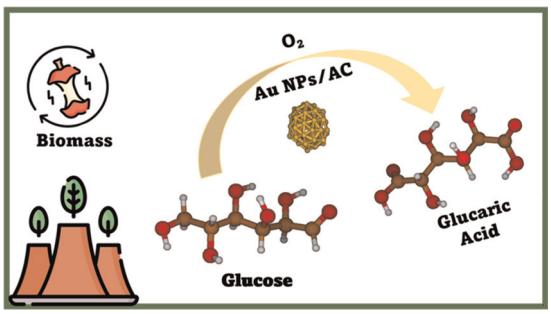

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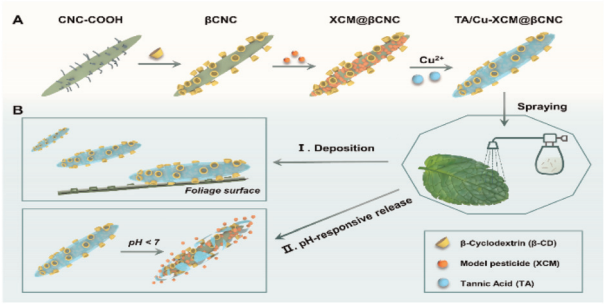

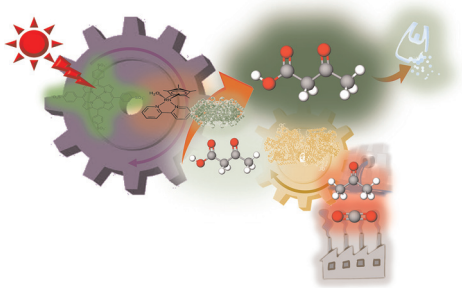

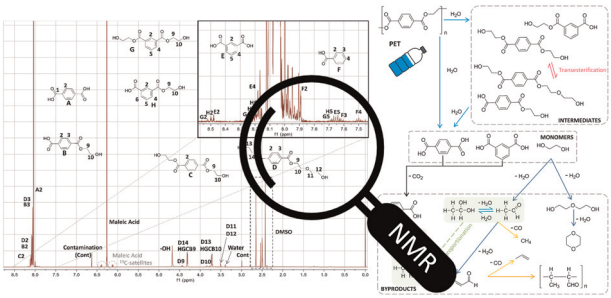

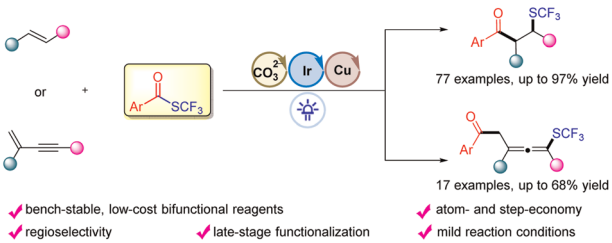

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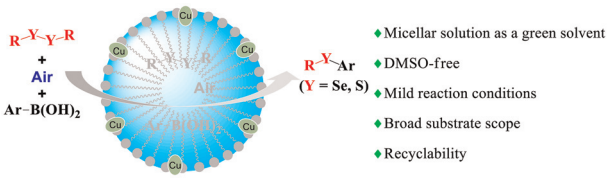

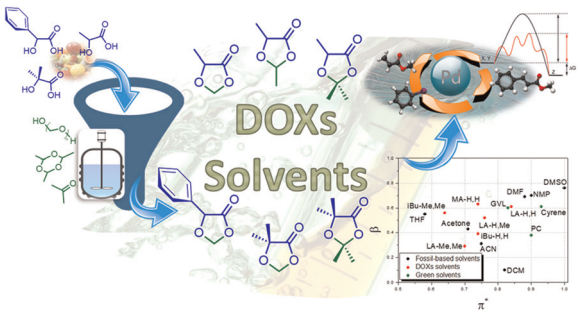

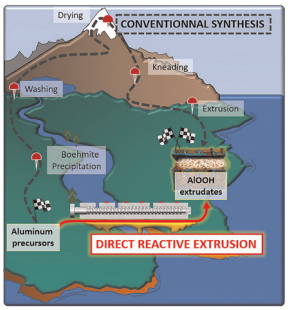

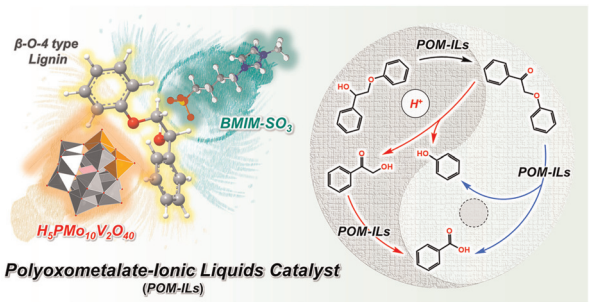

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