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See Chang-Gu Lee, Seitkhan Azat, Jechan Lee *et al.*, pp. 8691–8709.

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Inside cover
See Haibo Xie, Yuanlong Guo *et al.*, pp. 8818–8831.

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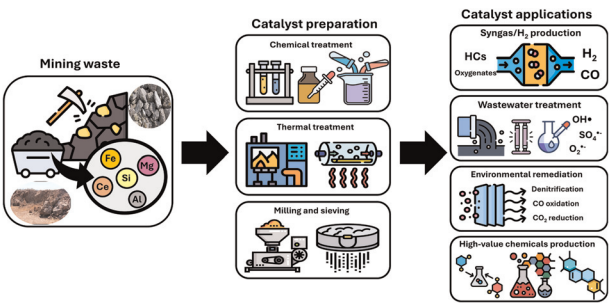
EDITORIAL

CRITICAL REVIEWS



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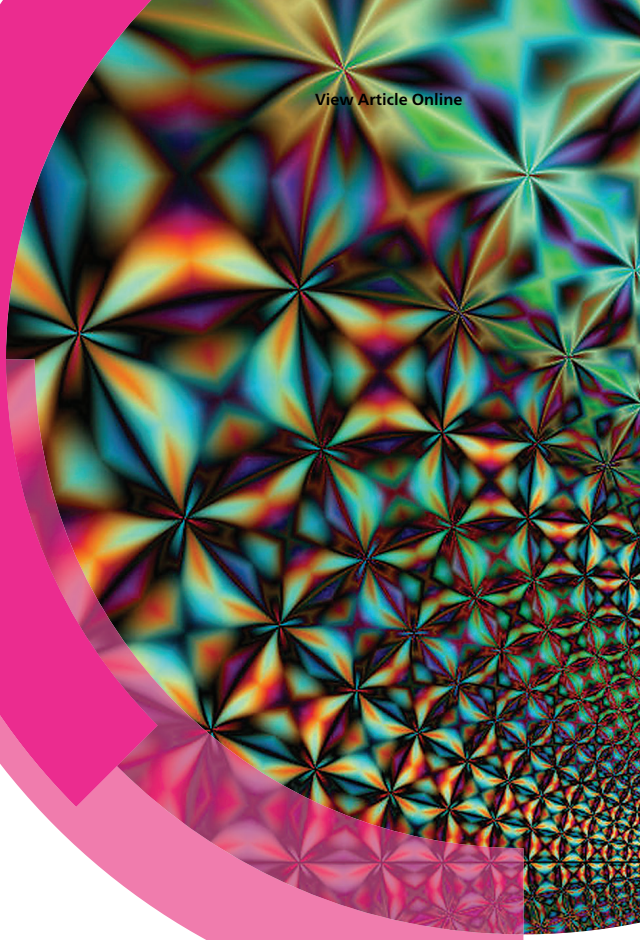

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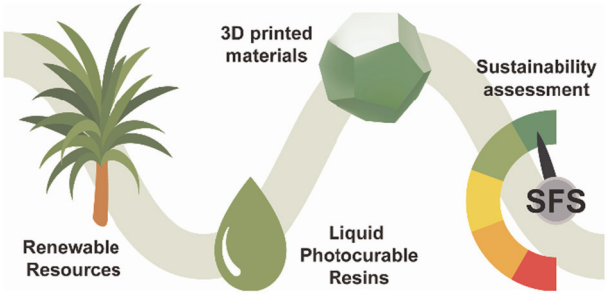

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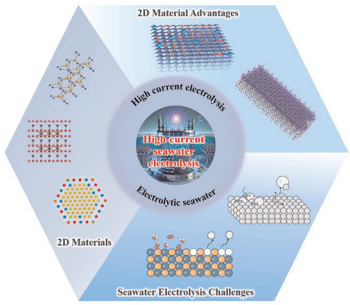
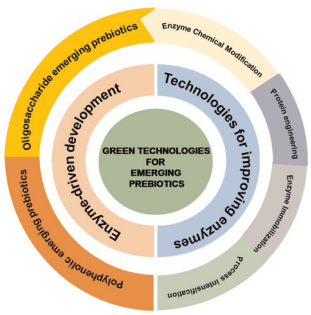
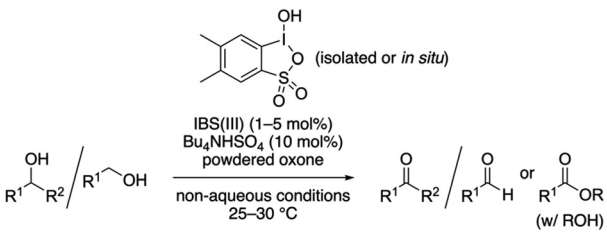




COMMUNICATIONS



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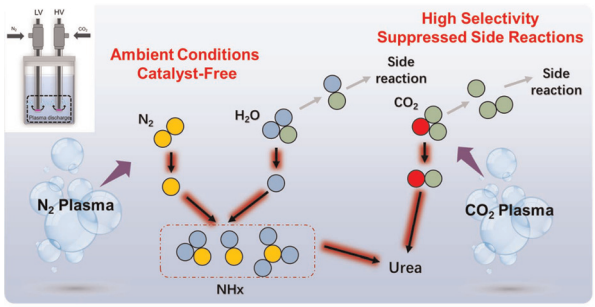
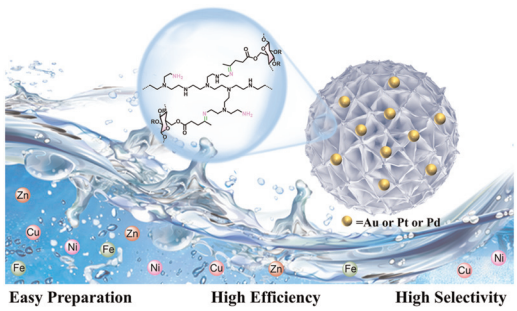


Catalyst-free urea synthesis *via* plasma-driven direct coupling of CO_2 and N_2 under ambient conditions

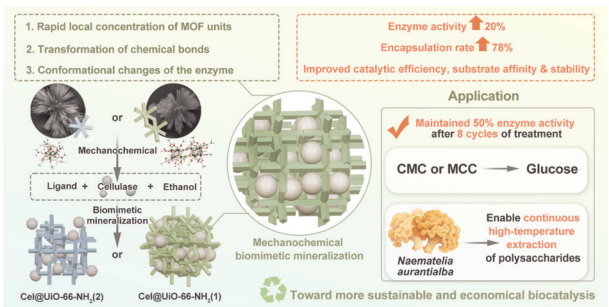
Dingwei Gan, Jingwen Huang, Longfei Hong, Haoxuan Jiang, Xiaoran Wang, Rusen Zhou, Jing Sun and Renwu Zhou*

PAPERS



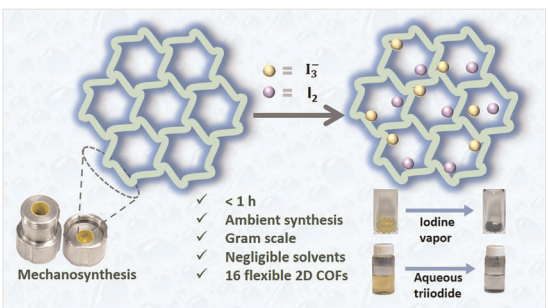
Molecularly engineering cellulose into a functional cellulose-based aerogel adsorbent for the recovery of precious metals from e-waste

Yumei Chen, Chunhui Xie, Yang You, Tonghui Xu, Yunqi Li, Jili Yuan, Haibo Xie* and Yuanlong Guo*



Mechanochemical biomimetic mineralization of UiO-66-NH_2-immobilized cellulase for enhanced catalytic stability and efficiency

Xiaoyang Sun, Linyu Nian, Huimin Qi, Mengjun Wang, Dechun Huang and Chongjiang Cao*



Ambient mechanosynthesis of flexible two-dimensional covalent organic frameworks

Yogendra Nailwal, Bryson Baker, Ziad Alsudairy, Mustapha El Hariri El Nokab, Qingsong Zhang, Tuo Wang, Songliang Cai, Yi Liu and Xinle Li*

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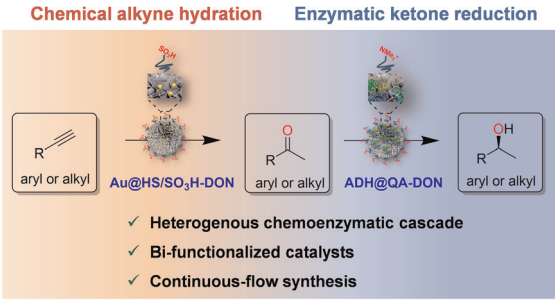

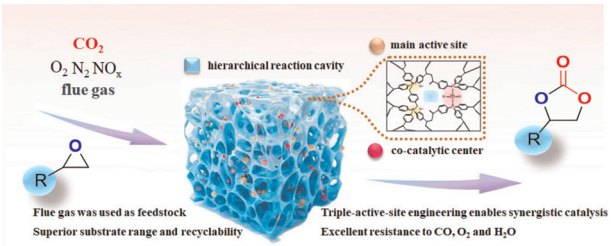

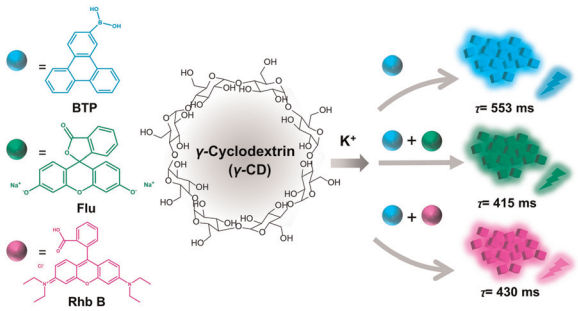

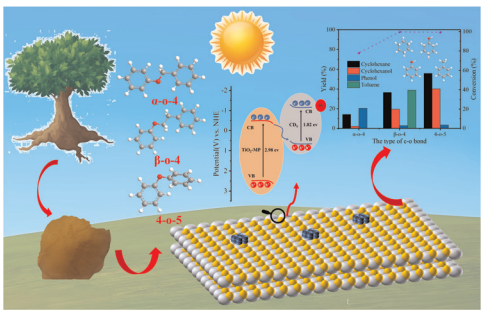

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