Green Chemistry

Cutting-edge research for a greener sustainable future

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Cover
See Chaweewan Suwanvecho, Lenka Kujovská Krčmová *et al.*, pp. 11007–11020.

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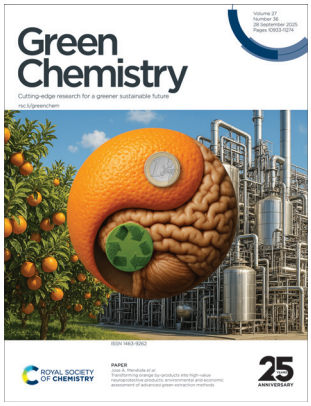
We kindly thank Chaweewan Suwanvecho, MSc. for the preparation of our excellent front cover image.



Inside cover
See Jose A. Mendiola *et al.*, pp. 11021–11035.

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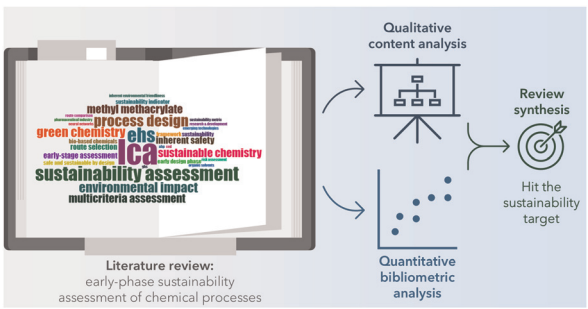
CRITICAL REVIEW



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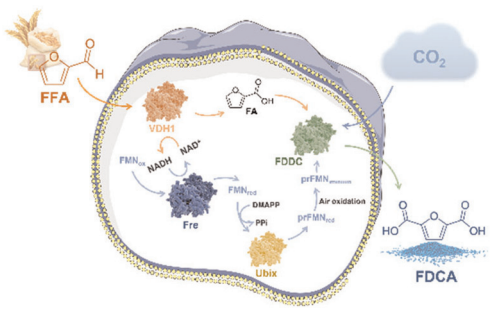

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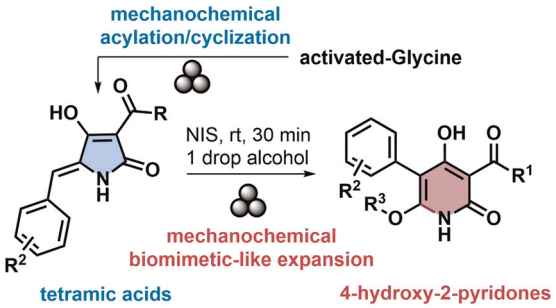

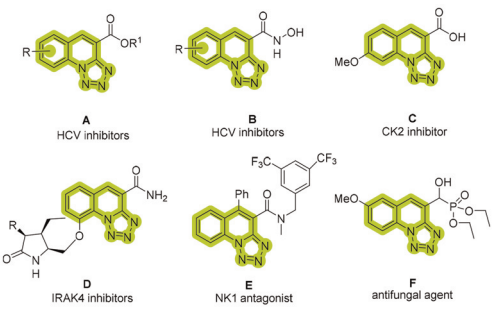

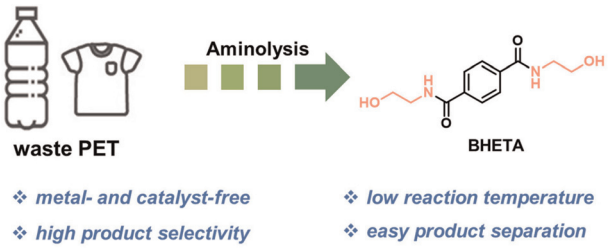

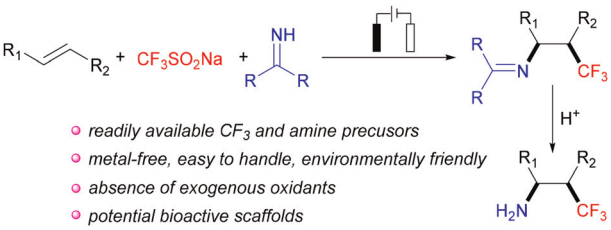

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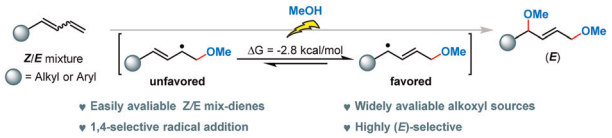

Electrochemical radical 1,4-dialkoxylation of 1,3-dienes to access (*E*)-1,4-diether alkenes

Chenlei Ji, Yuhe Cheng, Zhiwei Jiang and Yang'en You*

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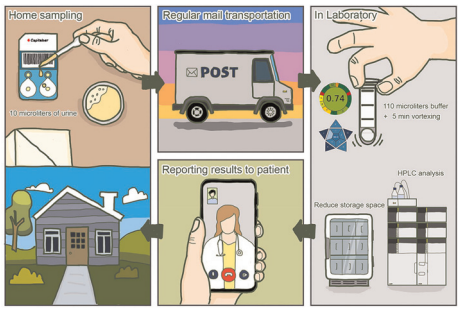
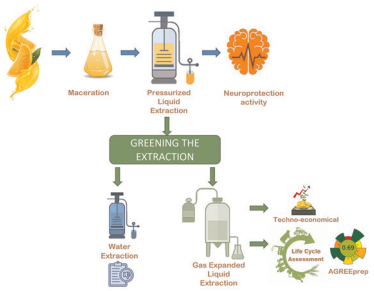


Dried urine spot as a stable, green, and practical microsampling tool in clinical practice for quantification of neopterin and creatinine

Chaweewan Suwanvecho, Lea Vyleťalová, Nikola Přívratská, Pakanan Laolertworakul, Dorota Turoňová, Milan Vošmik, Lenka Kujovská Krčmová* and Frantisek Svec

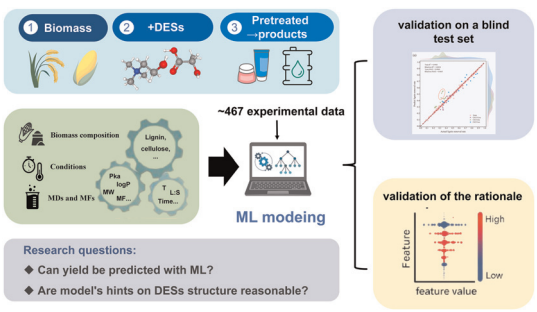
11021



Transforming orange by-products into high-value neuroprotective products: environmental and economic assessment of advanced green extraction methods

Brenda L. S. Porto, Berenice Acevedo-García, Ayla Elmi Kashtiban, Tulio Miranda Sepulveda, Miguel Herrero, Alejandro Cifuentes, Jose A. Mendiola* and Elena Ibáñez

11036



Predicting lignin removal efficiency in deep eutectic solvent-based biomass fractionation: an explainable machine learning approach

Zijing Zhong, Babbiker Mohammed Taher Gorish, Yue Bai, Waha Ismail Yahia Abdelmula, Wenqian Dang and Daochen Zhu*

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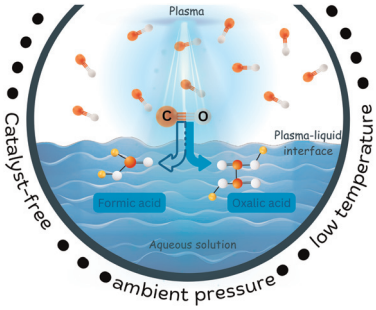

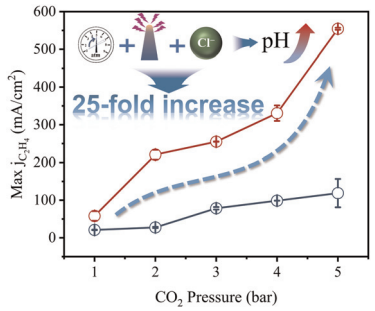

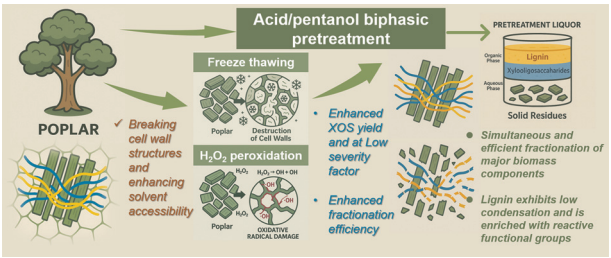

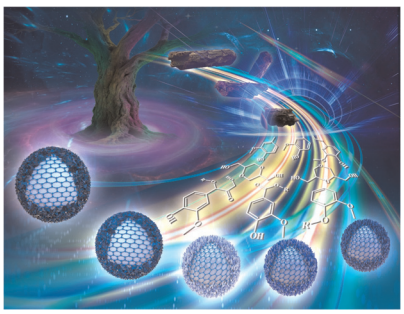

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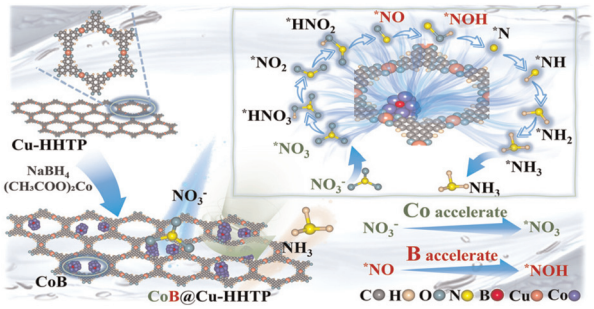
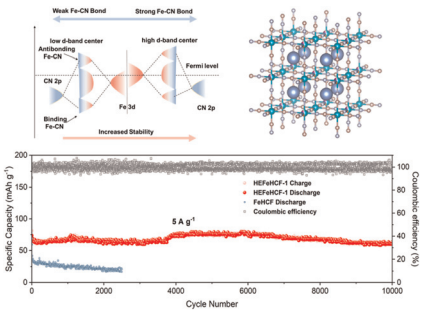


Integration of B-doped Co nanoclusters within Cu metal–organic frameworks for highly efficient electrocatalytic nitrate reduction

Ran Li, Hui Li, Yuxin Liu, Jing Luo, Qi Sui, Keke Wang,* Jiarui Xia* and Yi Jiang*

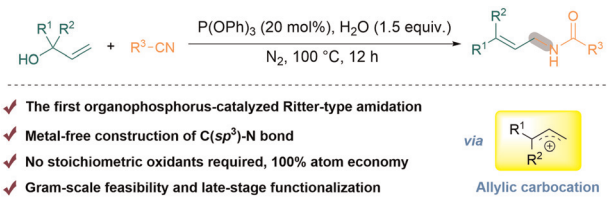
11115



D-band center modulation of Prussian blue analogues through a high-entropy strategy for aqueous potassium-ion batteries

Fuping Min, Qi Zhang,* Usman Ali, Maoyu Sun, Fayin Liu, Yueqi Xu, Lu Li,* Chungang Wang and Bingqiu Liu*

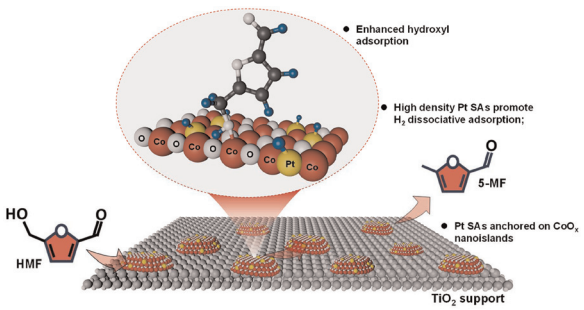
11125



Metal-free triphenyl phosphite-catalyzed Ritter-type amidation of allylic alcohols

Longzhi Zhu,* Furong Guo, Weiwei Luo, Shuangjiao Xie, Tingyuan Zhu, Zihe Liao, Biquan Xiong,* Yu Liu, Ke-Wen Tang and Renhua Qiu*

11133



Pt single atoms anchored on CoO_x nanoislands for efficient biomass-derived 5-methylfurfural production

Xiongxin Liang, Zidong Huang, Xin Luo, Xu Yang,* Dai Dang, Xu Li* and Hongliang Peng

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