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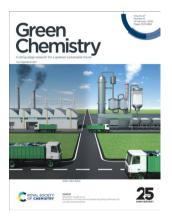
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# IN THIS ISSUE

ISSN 1463-9262 CODEN GRCHFJ 27(6) 1579-1860 (2025)



See Benjamin Caudle et al., pp. 1667-1678.

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# Inside cover

See Rocio Villa, Pedro Lozano et al., pp. 1620-1651.

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# **CRITICAL REVIEWS**

# 1588

# Rapid humification of biomass via hydrothermal conversion: a comprehensive review

Yangjiuzhou Wang, Changbin Yuan, Kai Zhang, Jinyu Tong, Ningjie Ma, Mahmoud M. Ali, Yongdong Xu\* and Zhidan Liu\*



# 1604

# Advances in bio-based wearable flexible sensors

Ziwen Zhang, Baofang Feng, Jipeng Yan, Weidong Zhao\* and Jian Sun\*



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# **TUTORIAL REVIEW**

### 1620

# Ionic liquids in polymer technology

Rebeca Salas, Rocio Villa,\* Francisco Velasco, Francisco G. Cirujano, Susana Nieto, Nuria Martin, Eduardo Garcia-Verdugo, Jairton Dupont and Pedro Lozano\*

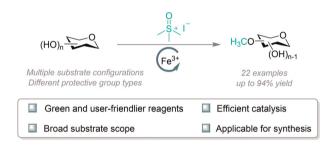


# **COMMUNICATIONS**

# 1652

# Trimethylsulfoxonium iodide: a green methylating agent for site-selective methylation of carbohydrates

Xiaorui Zhang, Jie Zhao, Qichang Yang, Zhangxuan Chen, Haifeng Wang, Shuang-Xi Gu and Jian Lv\*



# 1658

# Electrochemical lactamization with CO<sub>2</sub>

Ranran Zhang, Min Liu, Zhiwei Zhao and Youai Qiu\*

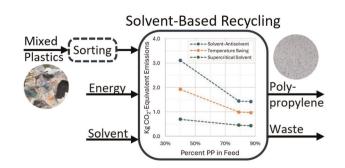
# Electrochemical lactamization with CO<sub>2</sub> CO2 1 atm Using CO<sub>2</sub> as a carbonyl source Transition Metal- and base-free process ■ Broad substrates range and excellent functional group tolerance ■ One pot synthesis

# **PAPERS**

# 1667

# Evaluation of three solvent-based recycling pathways for circular polypropylene

Benjamin Caudle,\* Thuy T. H. Nguyen and Sho Kataoka



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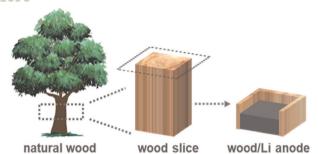
# **PAPERS**

# 1679 Conventional CCU CO<sub>2</sub> Sorbent Combined Carbon Capture and Conversion (quad-C) CO2-depleted air CO<sub>2</sub> capture Chemical quad-C using dual-functional material (CeO<sub>2</sub>)

Energy and cost-saving potential of combined carbon capture and conversion: a pioneering design of a process intensification concept harnessing CeO<sub>2</sub> as a dual-functional material

Koki Yagihara, Jialing Ni, Anqing Wang, Hajime Ohno and Yasuhiro Fukushima\*

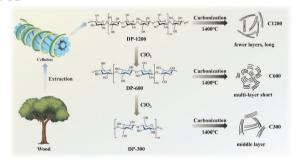
# 1696



# Natural wood as a lithium metal host

Wei-Jing Chen,\* Shang-Jie Yu, Qian Sun, Xin Shen, Peng Shi, Tong-Qi Yuan\* and Zhaoqing Lu\*

# 1703



Facile fabrication of cellulose-derived hard carbon for high-rate performance sodium-ion batteries by regulating degrees of polymerization

Fengyi Luo, Conghua Yi,\* Dongjie Yang,\* Dezhe Fan, Weifeng Liu, Xueqing Qiu and Wenli Zhang

# 1714 Glucose H<sub>2</sub>O Impregnated H-MOR/H-Y an Oligom H-MOR/H-Y Reacted H-MOR/H-Y Solid Residue 4A Zeolite

Calcination in Air

# Confined synthesis of glucan oligomers from glucose in zeolites

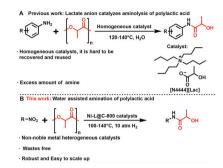
Haotong Liang, Sheng Ye, Qiyu Liu,\* Wei Fan and Qiaozhi Ma\*

# **PAPERS**

### 1723

# Reductive amidation of polylactic acid with nitro compounds using nickel based nanocatalysts

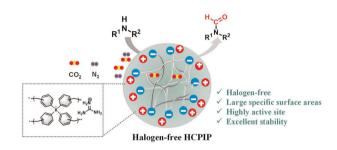
Jie Gao,\* Lan Zhang, Long Luo\* and Ning Wang\*



# 1729

# Design of halogen-free hyper-crosslinked porous ionic polymers for efficient CO<sub>2</sub> capture and conversion

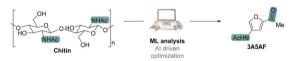
Xiaoqing Yang, Jinshan Zhao, Junfeng Zeng, Bihua Chen, Liang Tang, Jun Zhang, Akif Zeb, Zhiyong Li, Shiguo Zhang and Yan Zhang\*



### 1740

# Active learning assists chemical intuition identify a scalable conversion of chitin to 3-acetamido-5acetylfuran

Juliana G. Pereira, João M. J. M. Ravasco, Latimah Bustillo, Inês S. Marques, Po-Yu Kao, Po-Yi Li, Yen-Chu Lin, Tiago Rodrigues,\* Vasco D. B. Bonifácio, Andreia F. Peixoto, Carlos A. M. Afonso\* and Rafael F. A. Gomes\*

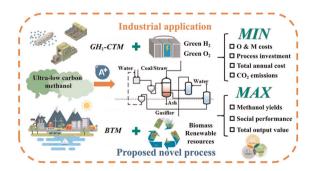


- important N-containing synthon obtained from waste biomass ocommercial ionic liquid solvent can be reused
- interesting scaffold for further chemical exploitation up to 72 % yield from NAG or 10 mg/g of shrimp shell

# 1747

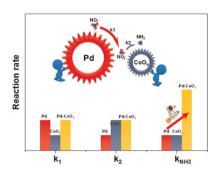
Industrial ultra-low-carbon methanol synthesis routes: techno-economic analysis, life cycle environment assessment and multi-dimensional sustainability evaluation

Dongrui Zhang, Ruqiang Wang, Zhibo Zhang, Hao Yan, Xin Zhou,\* Hui Zhao\* and Chaohe Yang



# **PAPERS**

1763

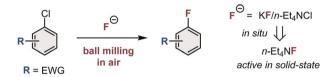


Electrochemically co-deposited Pd-CoO<sub>x</sub> coating for efficient synergistic electrocatalytic reduction of nitrate to ammonia

Yan Wang, Yujia Zeng, Jiawei Xie, Chao Wang, Changan Zhou, Lei Song, Kui Ma and Hairong Yue\*

1771

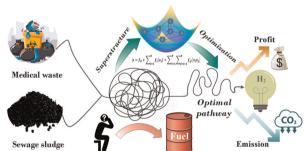
# Solid-state S<sub>N</sub>Ar fluorination using mechanochemistry



Solid-state aromatic nucleophilic fluorination: a rapid, practical, and environmentally friendly route to N-heteroaryl fluorides

Koji Kubota,\* Tetsu Makino, Keisuke Kondo, Tamae Seo, Mingoo Jin and Hajime Ito\*

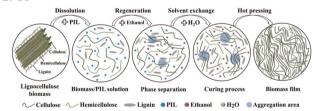
1777



Turning sewage sludge and medical waste into energy: sustainable process synthesis via surrogate-based superstructure optimization

Jianzhao Zhou, Jingzheng Ren\* and Chang He

1789



Direct dissolution of lignocellulosic biomass by malonic acid-DBU protonic ionic liquid and preparation of high-performance all-biomass films

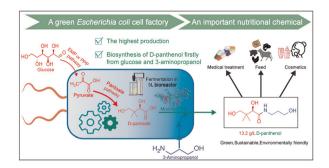
Long Zhang, Boxiang Zhan, Shangzhong Zhang, Haiyuan Ji, Shen Peng, Minghui Fan and Lifeng Yan\*

# **PAPERS**

### 1806

Metabolic engineering of Escherichia coli for the production of p-panthenol from 3-aminopropanol and glucose

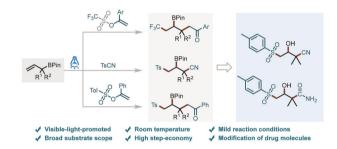
Junping Zhou, Zheng Zhang, Xinyuan Xin, Yinan Xue, Yihong Wang, Xueyun Feng, Bo Zhang, Man Zhao, Zhiqiang Liu\* and Yuguo Zheng



# 1820

Visible-light-induced 1,3-difunctionalization of allylboronic esters enabled by a 1,2-boron shift

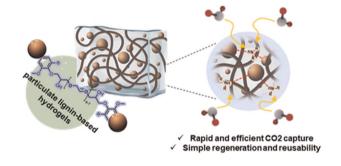
Panjie Xiang, Kai Sun,\* Anzai Shi, Jiangzhen An, Xiaolan Chen, Lingbo Qu and Bing Yu\*



# 1828

Monolithic, hybrid and particulate lignin-based hydrogels for sustainable CO<sub>2</sub> capture

Adrian Moreno,\* Javier Delgado-Lijarcio, Juan C. Ronda, Marina Galià and Gerard Lligadas\*



# 1838

Microwave-assisted ethanol dehydration to ethylene over biochar-based catalyst at low temperature

Li Yang, Bonan Liu,\* Yingying Zhao, Zijian Zhang, Hanyu Wu, Minyi He, Chao Tang, Jun Zhao,\* Yu Fan and Wangjing Ma\*

