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### IN THIS ISSUE

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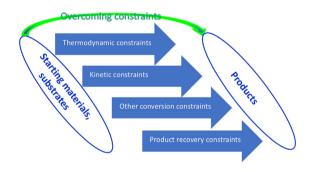


Cover See Sho Kataoka et al., pp. 311-319. Image reproduced by permission of Sho Kataoka from React. Chem. Eng., 2025, 10, 311.

### **REVIEW**

Overcoming bottlenecks towards complete biocatalytic conversions and complete product recovery

Roland Wohlgemuth\*

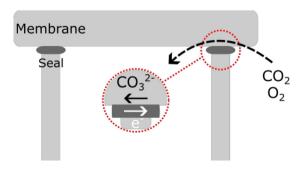


### **COMMUNICATIONS**

294

Metallic sealants increase flux and change selectivity in supported molten-salt membranes

Liam A. McNeil, Guannan Chen, Wenting Hu, Evangelos I. Papaioannou, Ian S. Metcalfe and Greg A. Mutch\*





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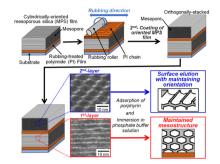
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### COMMUNICATIONS

### 300

Nanostructural investigation of orthogonally stacked mesoporous silica films and their reactivity with phosphate buffer

Reo Kimura, Yadong Chai, Rin Nakajima, Kenichiro Kosugi and Motohiro Tagaya\*



### 306

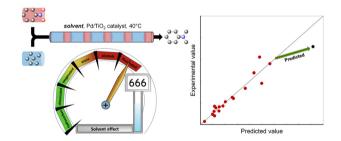
Efficient and convenient synthesis of methyl (S)-5chloro-2-hydroxy-1-oxo-2,3-dihydro-1H-indene-2carboxylate: a key intermediate for (S)-indoxacarb using aqueous TBHP as oxidant

Yun Zhang, Yao Du, Yan-Biao Chen, Jia-Huan Nie, Yue Xiong, Bao-Dong Cui, Xue-Qing Mou, Ming-Qiang Zhou\* and Yong-Zheng Chen\*

### **PAPERS**

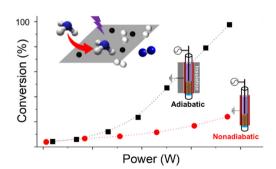
A solvent-selection strategy for the hydrogenation reaction inside a tubular-flow reactor through a statistical approach

Benny Wahyudianto, Takehiro Yamaki, Nobuo Hara, Yoshihiro Takebayashi and Sho Kataoka\*



Ammonia decomposition over low-loading ruthenium catalyst achieved through "adiabatic" plasma reactor

Minhazur Rahman Shawon, Chinwendu Umeojiakor, Anthony Griffin, Jeffrey Aguinaga, Jiachun Wu, Derek Patton, Zhe Qiang, Hossein Toghiani and Yizhi Xiang\*



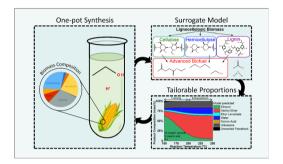
332



Selective separation of Li, Ni, Co and Mn from model spent Li ion battery cathode materials by dry processing using the combination of chlorination and oxidation

Yuuki Mochizuki and Naoto Tsubouchi\*

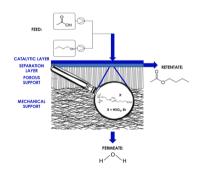
344



### A hierarchical surrogate approach to biomass ethanolysis reaction kinetic modelling

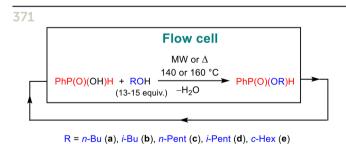
Ailís O'Shea,\* Conall McNamara, Prajwal Rao, Mícheál Howard, Mohammad Reza Ghanni and Stephen Dooley

360



## Acid-functionalized PVA composite membranes for pervaporation-assisted esterification

Julia Piotrowska, Christian Jordan, Kristof Stagel, Marco Annerl, Jakob Willner, Andreas Limbeck, Michael Harasek\* and Katharina Bica-Schröder\*



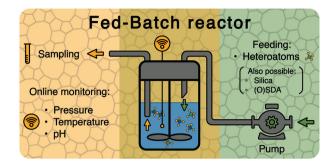
The scale-up of microwave flow syntheses by recirculation: the chlorine-free preparation of alkyl phenyl-H-phosphinates

József Schindler, Dorka Nagy, Rebeka Harján and György Keglevich\*

379

### Monitoring and controlling zeolite synthesis via reactor-based solutions: a fed-batch strategy

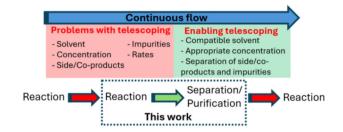
Amirhossein Javdani, Gleb Ivanushkin, Aron Deneyer and Michiel Dusselier\*



392

Integrating continuous flow reaction and work-up: chiral amine resolution, separation and purification using a novel coalescing filter system

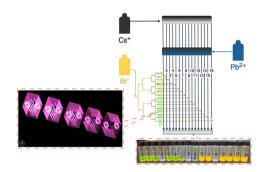
Bethan M. Rowley, Lisa A. Thompson, Luke A. Power, James Daglish, Emma Parks, James Birbeck, Steve Marsden, Nikil Kapur and A. John Blacker\*



398

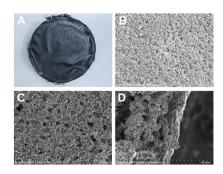
### High-throughput reaction discovery for Cs-Pb-Br nanocrystal synthesis

Ricki Chairil, Allison P. Forsberg, Richard L. Brutchey\* and Noah Malmstadt\*

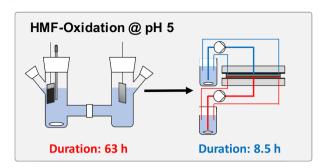


Carboxymethyl cellulose-poly-m-phenylenediamine composite membrane for gold recovery from ewaste

Zhiwei Huang, Yaxin Yuan, Xinyi Li, Yiyang Li, Min Wang\* and Zhuqing Wang\*



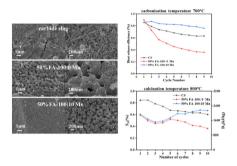
### 417



Usage of CoOOH electrodes in a flow channel reactor for the non-alkaline oxidation of 5-(hydroxymethyl)-furfural: an upscaling study

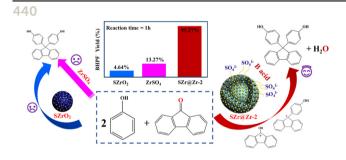
Marten Niklas Gey, Carl Schneider and Uwe Schröder\*

428



Energy-storage materials with stable structure through carbide slag modification by acid impregnation and manganese doping

Caiyun Gao,\* Xiangli Liu, Yuan Zhang, Fei Jin and Dong Li



Modulating the crystal phase of Zr-based solid acid catalysts to boost the synthesis of 9,9-bis(4hydroxyphenyl)fluorene

Jingjie Li, Lin Wang, Yanfeng Pu,\* Yong Liu, Xiying Li, Renren Sun and Yahui Xiao\*

453



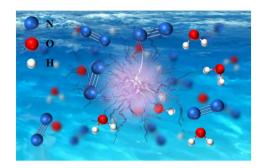
Mechanistic insights into the formation and deconstruction of phenyl glycoside linkages in lignocellulosic biomass

Seth Beck and Samir H. Mushrif\*

### 466

Competition between ammonia and nitrogen oxides during nitrogen fixation using N2 and H2O plasma without catalysis

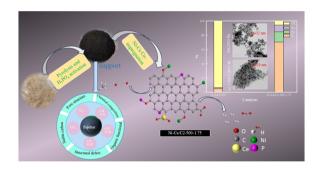
Yuanyuan Wang, Bing Sun,\* Zhonglin Yu, Shaohua Sun, Jinglin Liu, Yanbin Xin and Xiaomei Zhu



### 477

Metallic nickel-anchored biochar with non-metallic heteroatom modification: remarkably effective catalyst for steam reforming of methane

Yu-e Zhao, Jinxiao Li,\* Ao Xu, Yulong Liu, Minghui Lian, Jing Zhang, Hexiang Zhong, Chunhua Yang, Rensheng Song and Liwei Pan\*



### CORRECTION

### 488

Correction: Combination of near-infrared spectroscopy and a transient flow method for efficient kinetic analysis of the Claisen rearrangement

Yoshihiro Takebayashi,\* Kiwamu Sue and Sho Kataoka