

Reaction Chemistry & Engineering

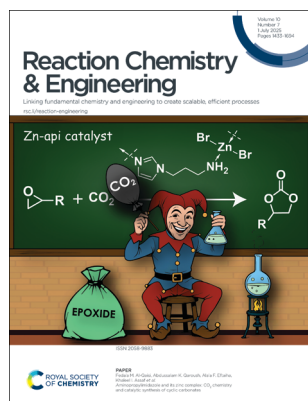
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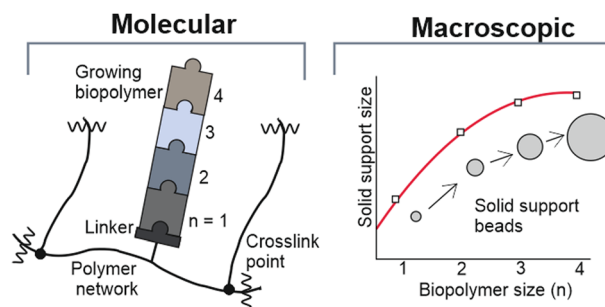
See Feda'a M. Al-Qaisi,
Abdussalam K. Qaroush,
Ala'a F. Eftaiha,
Khaleel I. Assaf *et al.*,
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REVIEW

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Sebastián Pinzón-López, Eric T. Sletten,
Matthias Kraume, Peter H. Seeberger*
and José Danglad-Flores*

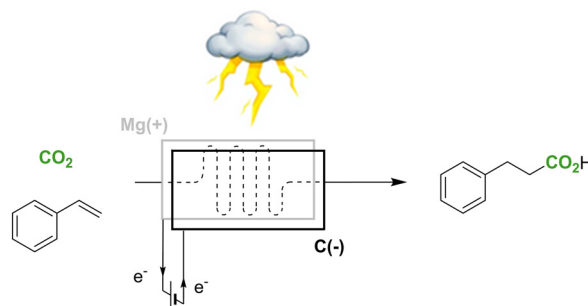


COMMUNICATION

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Electrochemical hydrocarboxylation of styrene with CO₂ in continuous flow

Jonas Mortier, Christian V. Stevens
and Thomas S. A. Heugebaert*





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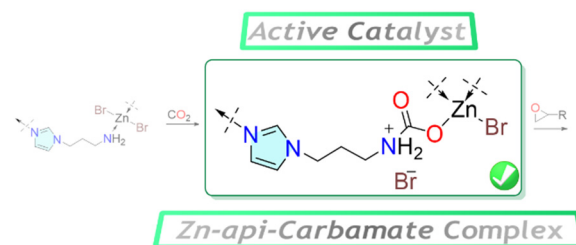
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Aminopropylimidazole and its zinc complex: CO₂ chemistry and catalytic synthesis of cyclic carbonates

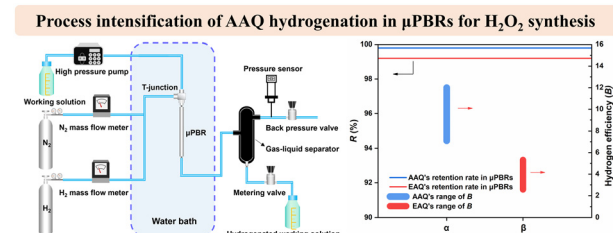
Feda'a M. Al-Qaisi,* Abdussalam K. Qaroush,* Ahmad M. Ala'mar, Ala'a F. Eftaiha,* Khaleel I. Assaf* and Timo Repo



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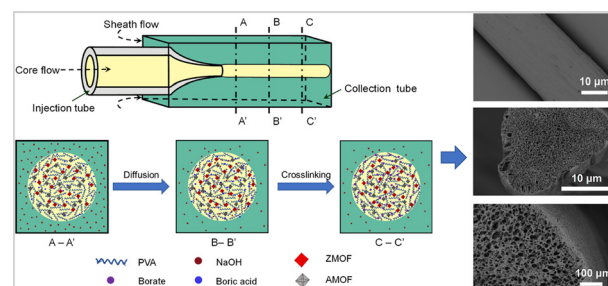
Srujal P. Rana and Paresh H. Rana*



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Microfluidic preparation and antibacterial properties of polyvinyl alcohol hydrogel microfibers loaded with MOF microparticles

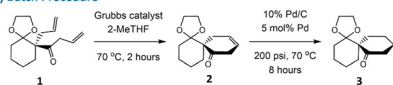
Ning Zhao, Shi-Yu Liu, Zhuang Liu, Xiao-Jie Ju, Rui Xie, Wei Wang,* Da-Wei Pan* and Liang-Yin Chu



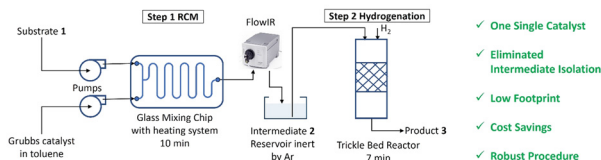
PAPERS

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a) Batch Procedure



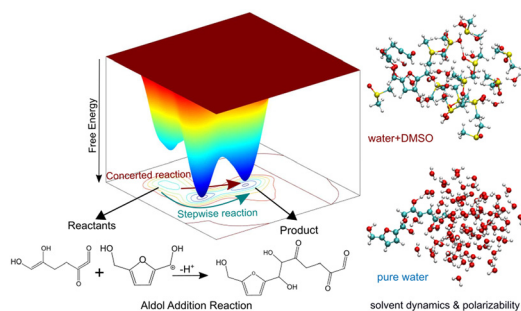
b) Telescoped Flow Procedure



Synthesis of a spiroketone intermediate featuring a green and sustainable telescoped flow process

Shuoxun Wang,* Hao Wu, Yongda Zhang and Frederic Buono*

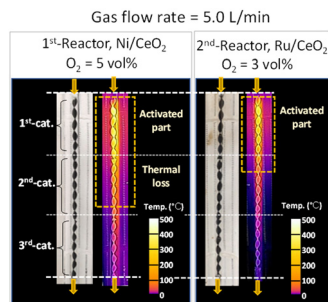
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José Carlos Velasco Calderón and Samir H. Mushrif*

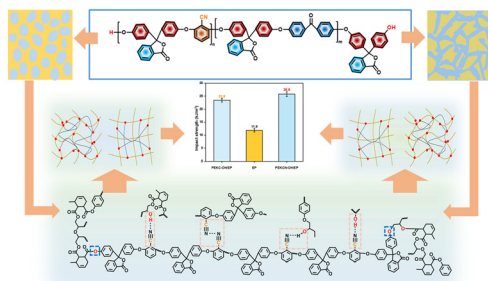
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Multi-stage spiral-type structured catalyst system for direct large-scale methanation of industrial CO₂ emissions: a feasibility study

Hiroshi Akama, Ryo Watanabe,* Priyanka Verma and Choji Fukuhara*

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Synthesis of nitrile-containing reactive phenolphthalein polyaryletherketone and synergistic toughening research on the toughening of epoxy resin—phase structure, mechanical and thermal properties

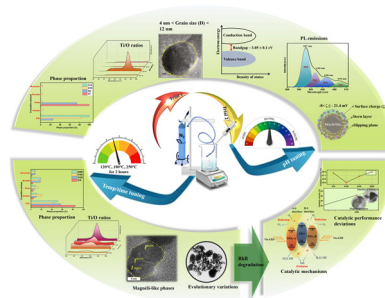
Jiawei Liu, Tongjia Zhang, Shoutian Qiu, Lixin Song, Guangyuan Zhou and Honghua Wang*



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Scalable phase-rich mixed oxide/perovskites: hetero-interfacial tuning catalysed photocatalysis via pH/temperature regulations

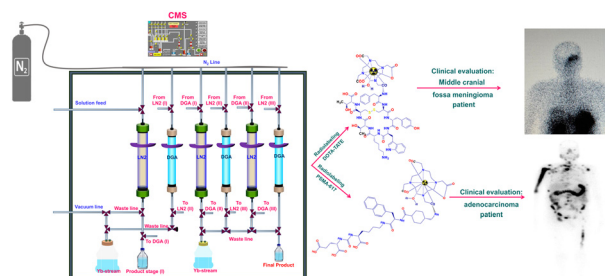
Dharanya. C and Gnanaprakash Dharmalingam*



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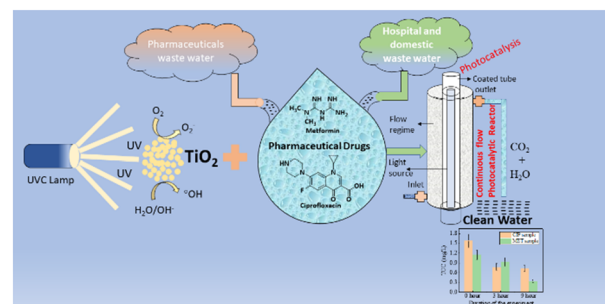
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Photocatalytic degradation of ciprofloxacin and metformin in a continuous-flow tubular reactor

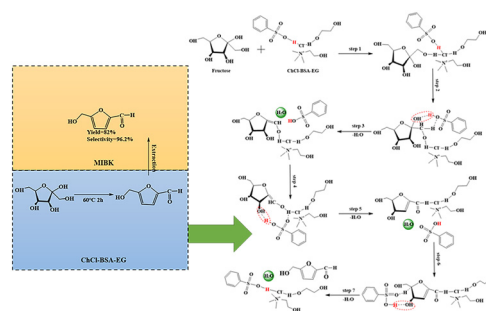
Rahul Binjhade, Raka Mondal and Sourav Mondal*



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Conversion of fructose to 5-hydroxymethylfurfural in a ternary deep eutectic solvent-based biphasic system at mild temperature

Wei Qi, Yuqi Chen, Liangzhi Li, Xin Ju, Hongwei Chen and Lishi Yan*



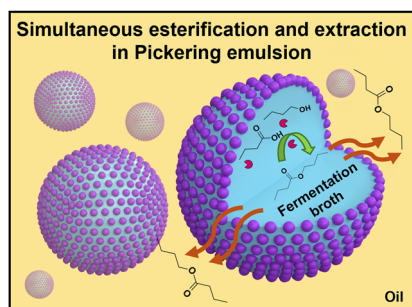
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Ag-doped Ni/SiO₂ catalysts for the synthesis of aromatic amines from aromatic phenol

Kun Li, Baicheng Feng, Meng Guo, Rong Qu and Yan Jin*

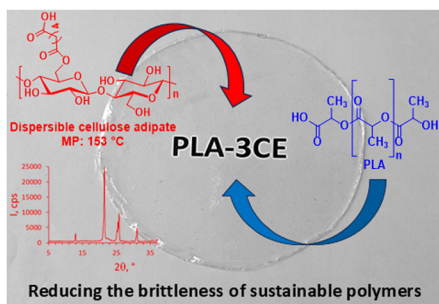
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Yaoyao Feng, Pierre-Louis Carrette, Christine Dalmazzone and Etienne Jourdir*

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New dispersible and low-melting cellulose ester produced with molten adipic acid as a solvent, reagent and catalyst, and its application to improve the mechanical properties of PLA

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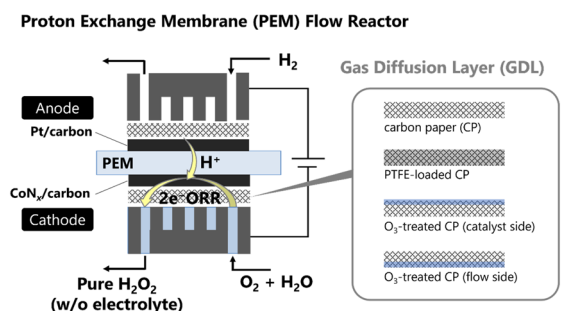
Weidong Liu and Jianguo Liu*



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Proton exchange membrane flow reactor with ozone-treated gas diffusion layers for production of pure H_2O_2 in aqueous and methanol solutions

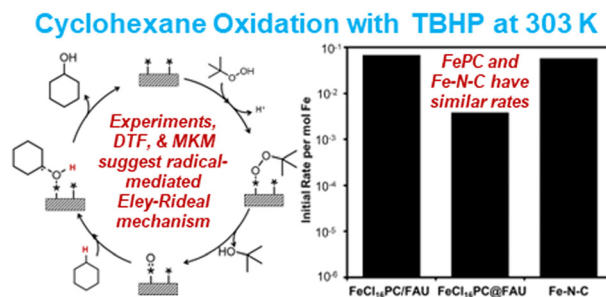
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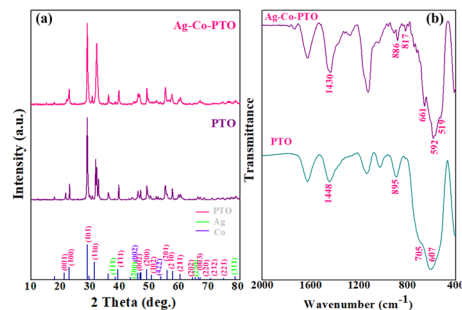
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Lead titanate-modified perovskite with silver and cobalt as a superior photocatalyst toward the conversion of methylene blue

Amin Yousefvand, Mahdiah Ghobadifard* and Sajjad Mohebbi*



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The kinetics of aqueous lactose hydrolysis with sulfuric acid

Wenjia Wang, Owen J. Dziedzic, Claire R. Lesnjak, Zhuoqian Yu, James Miller, Xiaolei Shi, Jarryd R. Featherman, Scott A. Rankin and George W. Huber*

