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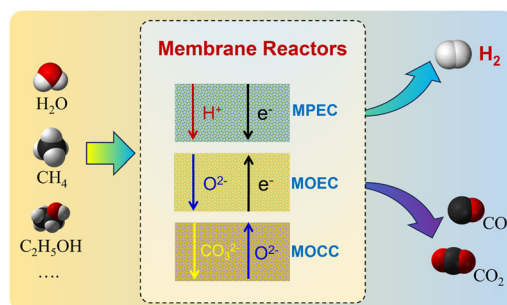
See Kwihwan Kobayashi, Nagatoshi Koumura *et al.*, pp. 3116–3121.  
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Jingjing Tong, Peng Zhang,\* Fuwei Zhuang, Yanyan Zheng, Binyan Liu, Xiangping Qiao and Xuefeng Zhu\*



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### ChemPren: a new and economical technology for conversion of waste plastics to light olefins

Anne Gaffney,\* Debtanu Maiti, Debasish Kuila and Gennaro Mafia





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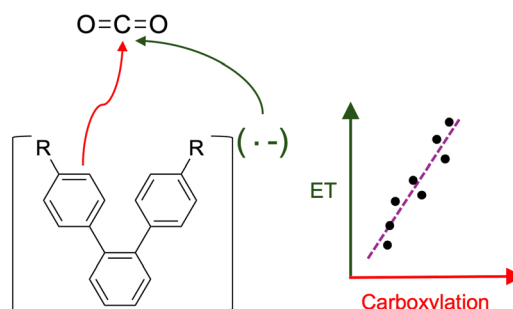


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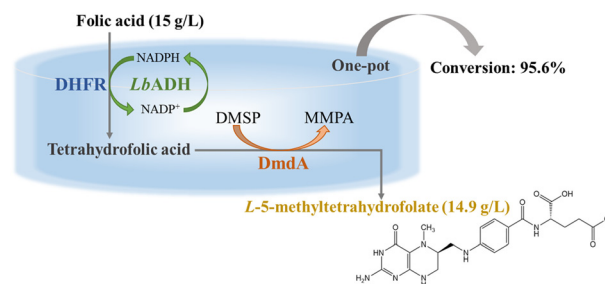
Kareesa J. Kron and Shaama Mallikarjun Sharada\*



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Linjiang Zhu, Yuxin Wang, Linyan Pan, Enyong Lin, Jiayan Wang and Xiaolong Chen\*

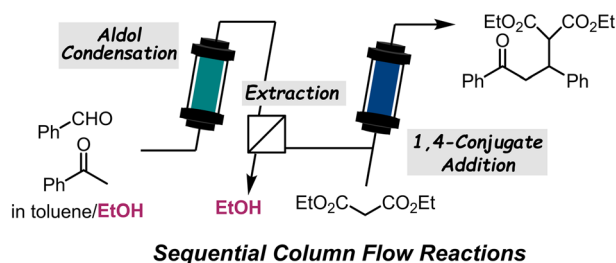


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## Continuous-inline extraction of polar co-solvent during sequential flow reactions

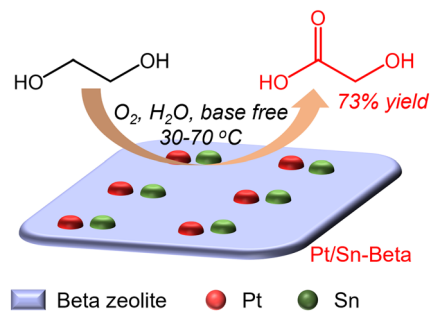
Kwihwan Kobayashi,\* Jun Matsuzawa, Hajime Kawanami and Nagatoshi Koumura\*



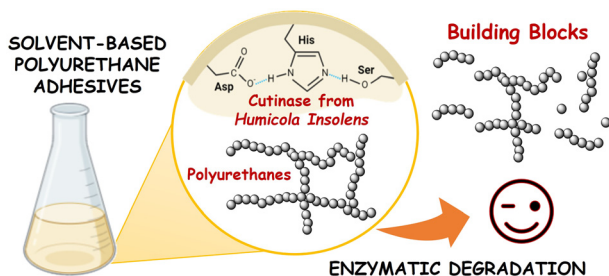
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## Synthesis of glycolic acid by selective oxidation of ethylene glycol over Pt/Sn-Beta in a base-free medium

Yongming Xu, Wenzhao Liu, Bo Xu, Ke Wang, Jinchu Yang, Yueqi Si, Xuebin Zhao, Tingting Zhang, Zhan Zhang, Xueyi Qiao\* and Tianliang Lu\*



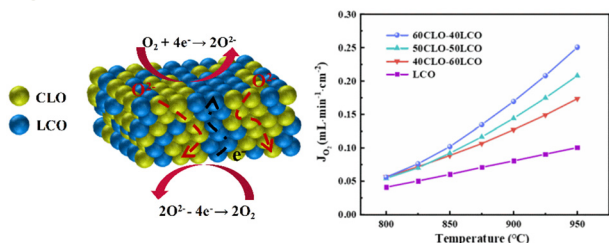
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Angela Romano, Antonella Rosato, Laura Sisti,\*  
Giulio Zanaroli, Svajus Joseph Asadauskas,  
Paulina Nemaniutė, Dalia Bražinskienė,  
Asta Grigučevičienė and Grazia Totaro

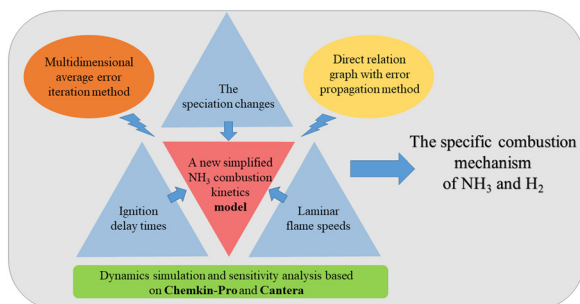
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Yihong Xu, Hengcheng Zhu, Song Lei, Zihua Wang  
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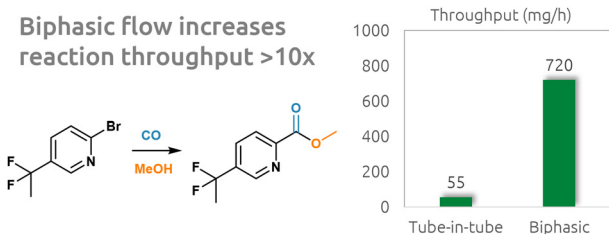
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Daiyao Yue, Chongkai Zhao, Rui Sun, Jieyu Jiang,  
Chunjie Sui, Xin Zhong and Bin Zhang\*

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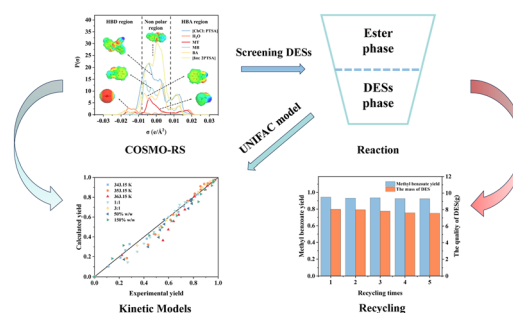
Agnieszka Ładosz, Astrid Friedli, Arnaud Lhuillery  
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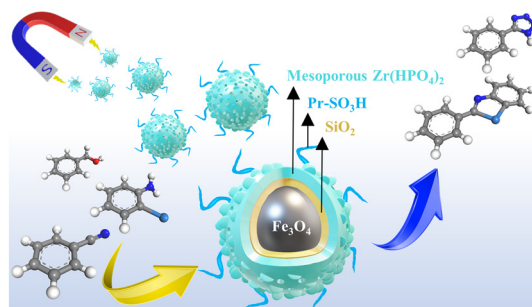
Dian Jin, Xindi Feng, Li Sun,\* Zuoxiang Zeng and Zhen Liu\*



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### Magnetic mesoporous zirconium phosphate (MMZP-Pr-SO<sub>3</sub>H): a highly efficient and reusable catalyst for sustainable preparation of phenyl tetrazole and 2-substituted benzoazoles

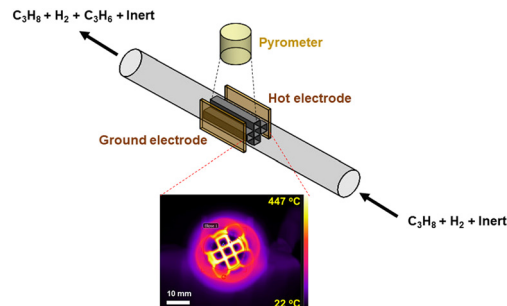
Maryam Tukhani, Abdolreza Hajipour and Alireza Najafi Chermahini\*



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### Radio-frequency heating for catalytic propane dehydrogenation

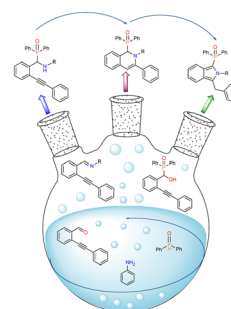
Ankush Rout, Somtochukwu Lambert, Aswin Nair, Kailash Arole, Debalina Sengupta, Mark A. Barteau, Benjamin A. Wilhite\* and Micah J. Green\*



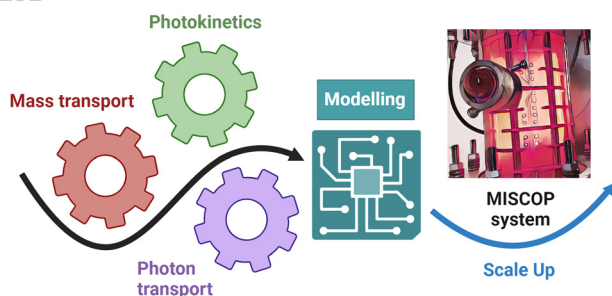
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### Synthetic and mechanistic studies of the multicomponent reaction of 2-(phenylethynyl) benzaldehyde, primary amine and diphenylphosphine oxide

Kármén Szabó, Zsolt Kelemen, Pál Tamás Szabó and Erika Bálint\*



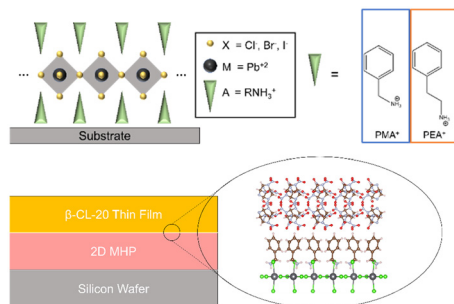
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### Modelling the impact of mass transport in a miniplant photoreactor

Florian Gaulhofer, Henning Becker, Alexander Peschl and Dirk Ziegenbalg\*

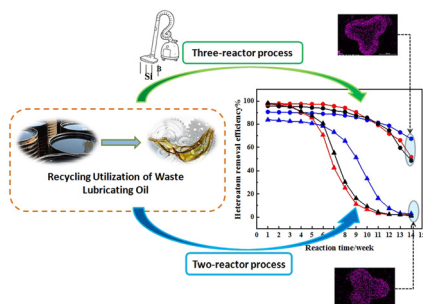
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### Utilizing 2D metal halide perovskite thin films as highly tuneable surfaces for orientation control of energetic materials

Natalie Smith-Papin, Meagan Phister, Ashley Conley, Nathan Swami, Zbigniew Dreger and Gaurav Giri\*

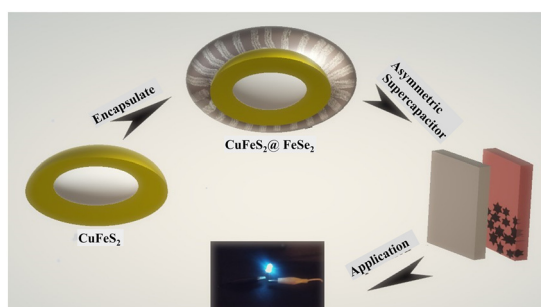
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### Application of the three-reactor hydrogenation process in the recycling utilization of waste lubricating oil and study on the catalyst deactivation mechanism

You Fang, Peng Zhang,\* Mengya Guo, Shuke Guo, Fujiang Wang and Mingxing Tang\*

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### Spherical CuFeS<sub>2</sub>@FeSe<sub>2</sub> structure as a binder-free electrode and its performance in asymmetric supercapacitors

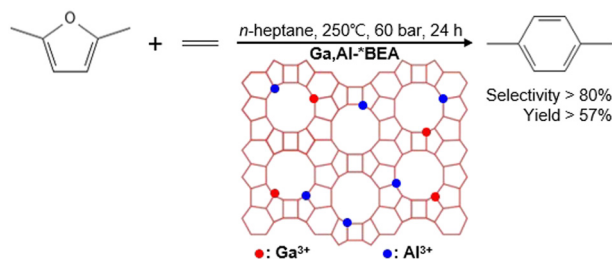
Tahereh Nikkhah Amirabad\* and Ali A. Ensafi\*



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### Selective production of *para*-xylene from biomass-derived 2,5-dimethylfuran through tandem Diels–Alder/dehydration reactions with a bifunctional Ga, Al-zeolite catalyst

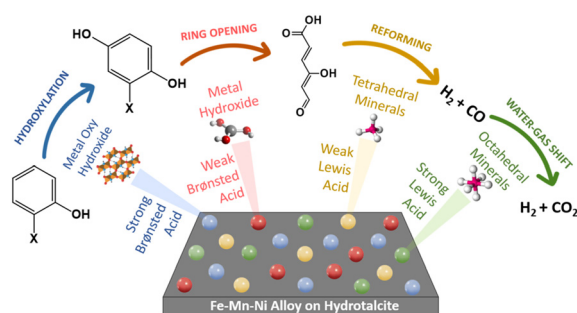
Jaeyul Kim, Sungmin Han and Jeffrey D. Rimer\*



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### Syngas production from phenolic pollutants via a series of hydroxylation, ring cleavage, and aqueous-phase reforming catalyzed by a hydrotalcite-supported Fe–Mn–Ni alloy

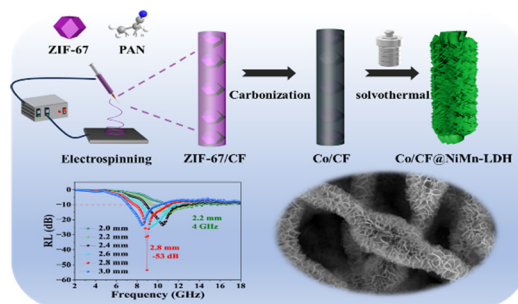
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Kishori Deshpande, Jianping Zeng, Ravindra Dixit, David West and David Jean

