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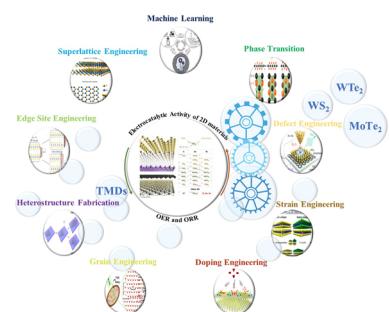
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Recent development and challenges in TMD-based 2D materials towards OER/ORR electrocatalysis

Kashif Nawaz Khattak, Yueyue Shao and Jia Zhou*

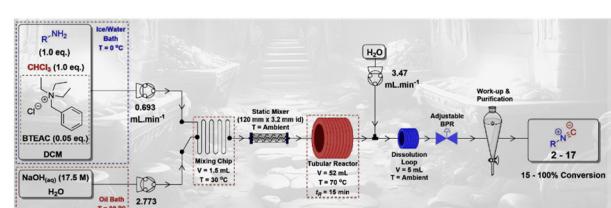


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Revitalised Hofmann carbonylamine synthesis made possible with flow chemistry

Zen Johnston, Jaimee Jugmohan, Jenny-Lee Panayides*
and Darren Lyall Riley*



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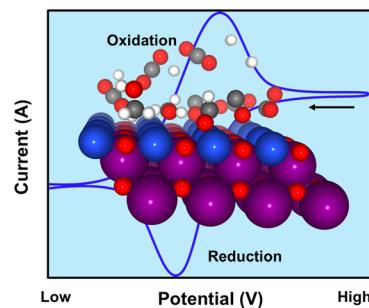


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Praseodymium-based mixed metal oxides as stable and CO-resistant electrocatalysts for methanol oxidation in acidic media

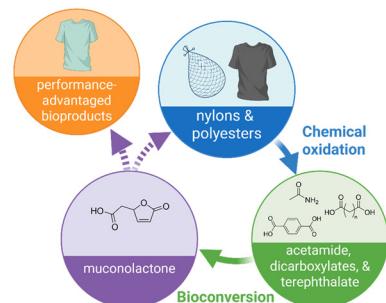
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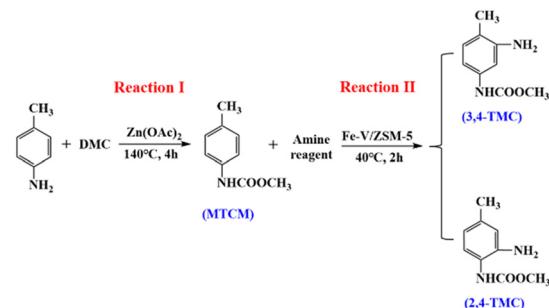
Ross Eaglesfield, Brandon L. Frey, Ciaran W. Lahive, Amy A. Cuthbertson, Eugene Kuatsjah, Kelsey J. Ramirez, Young-Saeng Avina, Hannah Alt, Natalie Banakis, Katrina M. Knauer, Gregg T. Beckham* and Allison Z. Werner*



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Two-step synthesis of amino-methyl-*N*-phenylcarbamate from toluidine: new preparative method and mechanism

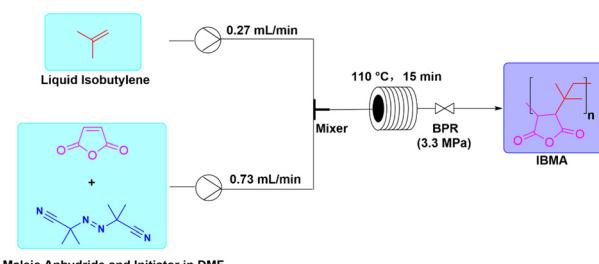
Xiangyu Wen, Qiusheng Yang, Ming Li, Xiaoshu Ding, Peng Zhai, Yao Lu, Xinxiang Zhao, Yanji Wang and Dongsheng Zhang*



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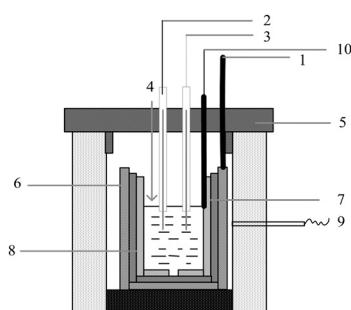
CFD simulations of mixing conditions of isobutylene/maleic anhydride and their polymerization in continuous-flow synthesis

Shubo Liu, Xiantong Yao, Maolin Sun, Jinxing Ye and Ruihua Cheng*



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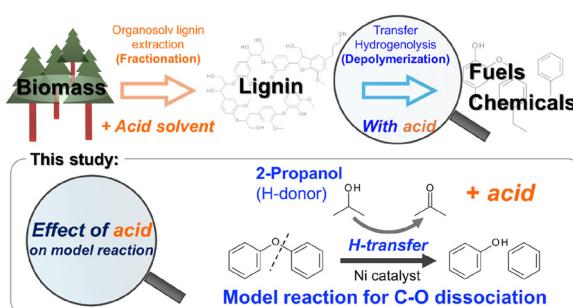
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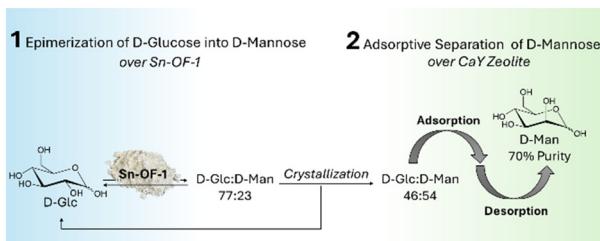
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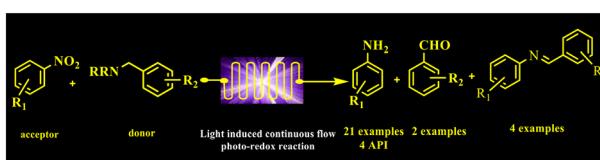
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Mounika Kukudala, Sanjeev Kumar, Ruchi Chauhan, Mandeep Purwa, Abhilash Rana and Ajay K. Singh*

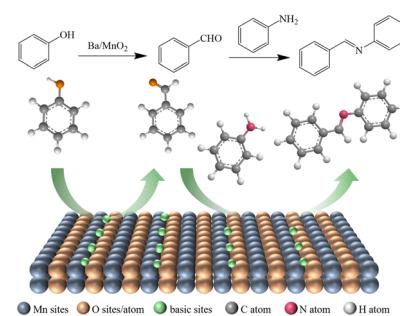


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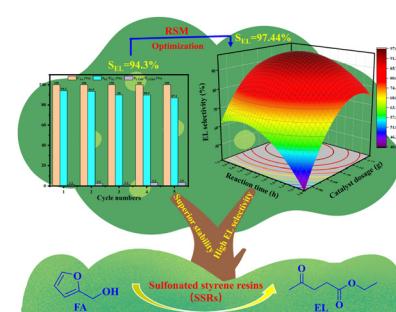
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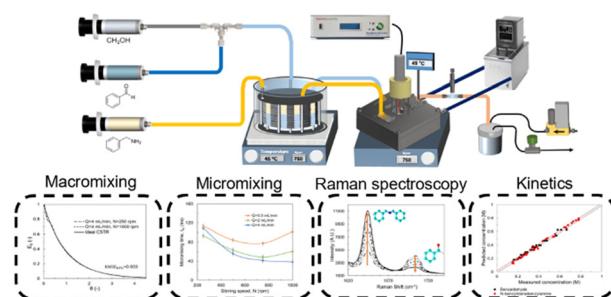
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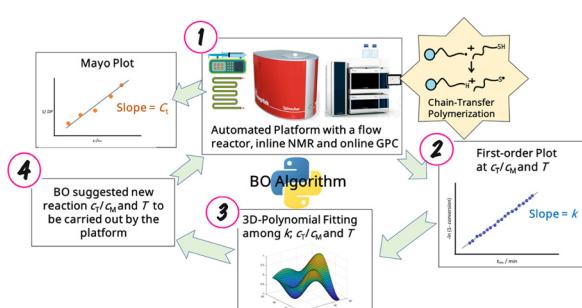
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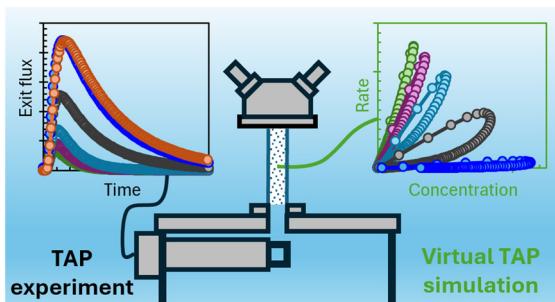
A data-driven approach to the generalization of free radical polymerization kinetic models *via* automated flow chemistry

Amna Binte Asghar, Bo Zhang, Vianna F. Jafari and Tanja Junkers*



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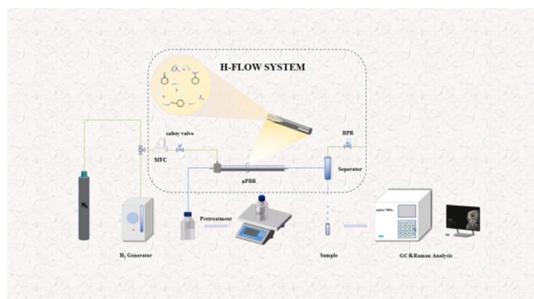
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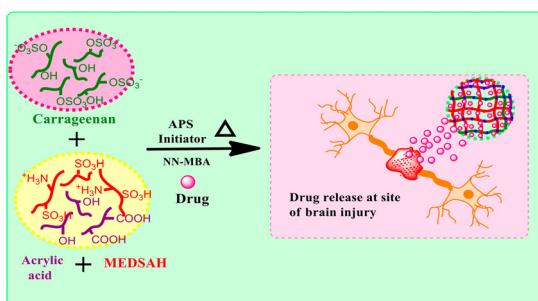
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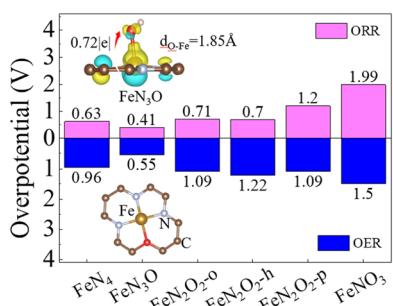
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Designing biomimetic hydrogels for neurotherapeutic delivery devices for brain soft tissue injury: integrating antioxidant, cell viability and tissue adhesion properties to enhance neural regeneration via a synergistic approach

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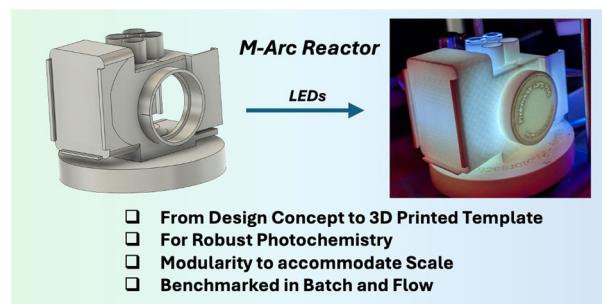
Oxygen coordination engineering in Fe-N-O-graphene single-atom catalysts for enhanced bifunctional oxygen electrocatalysis

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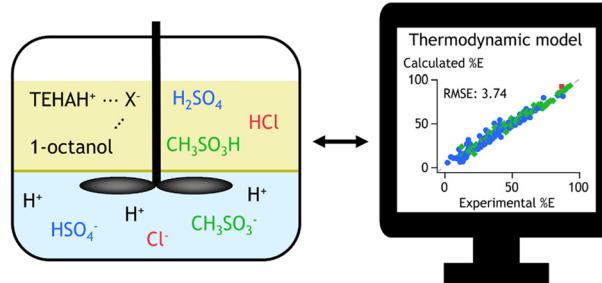
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Bernd Schaefer, Mark R. Crimmin and Philip W. Miller*

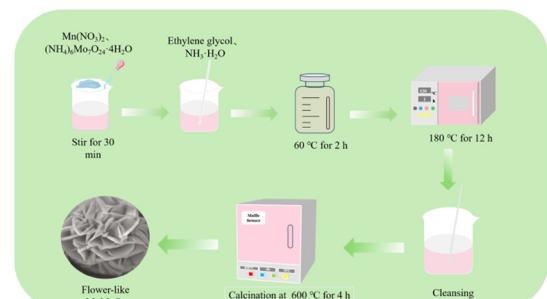
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Thermodynamic model for synergistic solvent extraction of mineral acids by tris(2-ethylhexyl)amine and 1-octanol

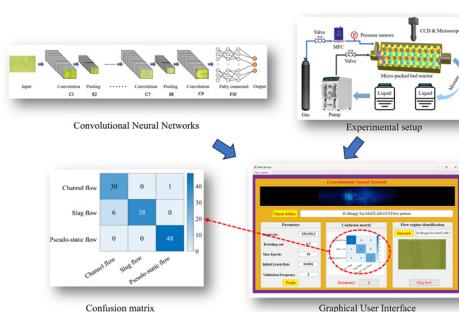
Rayco Lommelen* and Koen Binnemans

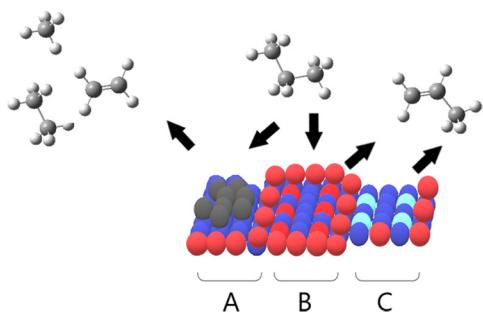


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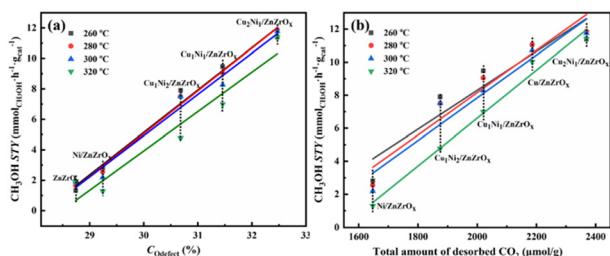
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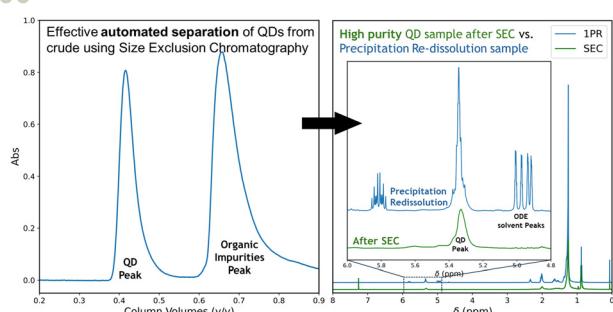
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High-performance ZnZrO_x-supported CuNi catalysts for CO₂ hydrogenation to methanol

Zhisheng Shi,* Chaofan Liu, Yilong Wu, Nannan Ge, Xueling Wei, Linhua Chu,* Xingyang Li* and Mei Xiang*



General approach for automated purification of quantum dots using size-exclusion chromatography

Rui Hua Jeff Xu, Conan Huang, Logan P. Keating, Yunpei Duan, Moonsub Shim and Paul J. A. Kenis*

