

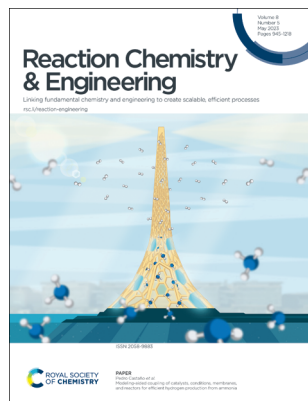
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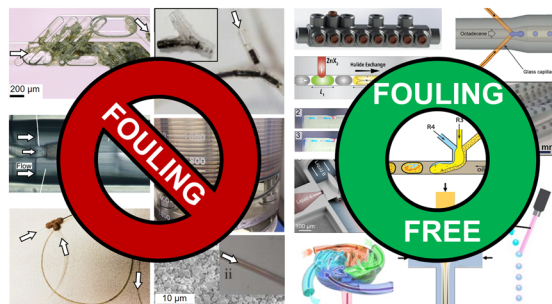
See Pedro Castaño et al., pp. 989–1004.
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REVIEW

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Non-fouling flow reactors for nanomaterial synthesis

Maximilian O. Besenhard, Sayan Pal, Georgios Gkogkos and Asterios Gavrilidis*

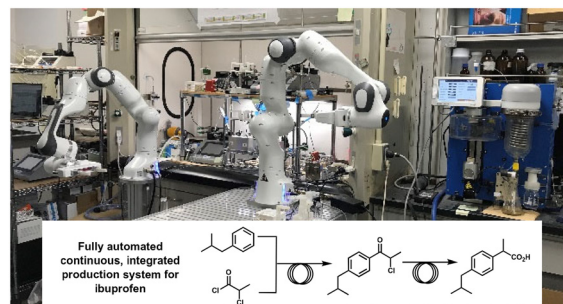


COMMUNICATIONS

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Development of a fully automated continuous, integrated production system for all reaction processes of ibuprofen

Akichika Itoh,* Tomoka Tanemura, Norihiro Tada and Eiji Yamaguchi



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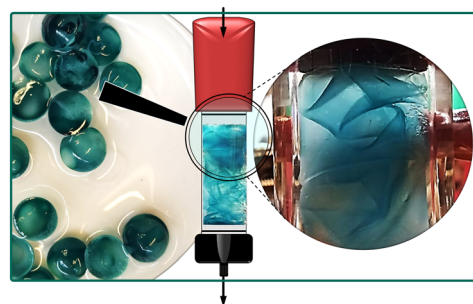


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A 3D printable synthetic hydrogel as an immobilization matrix for continuous synthesis with fungal peroxygenases

Lars-Erik Meyer, Dorottya Horváth, Sonja Vaupel, Johanna Meyer, Miguel Alcalde and Selin Kara*

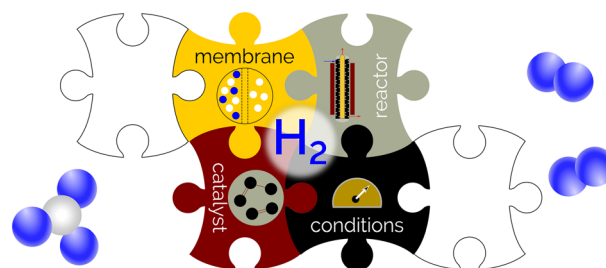


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Modeling-aided coupling of catalysts, conditions, membranes, and reactors for efficient hydrogen production from ammonia

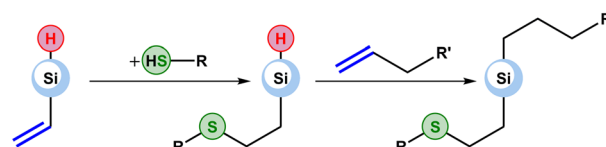
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Sequential hydrothiolation–hydrosilylation: a route to the creation of new organosilicon compounds with preset structures

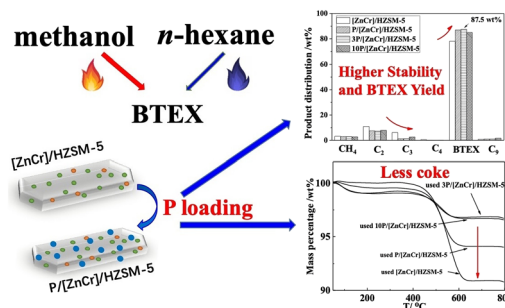
Ilya Krizhanovskiy, Maxim Temnikov,* Fedor Drozdov, Alexander Peregudov and Anton Anisimov



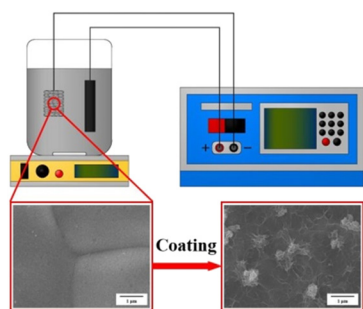
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Enhanced aromatics selectivity and stability in a coaromatization reaction over P/[ZnCr]/HZSM-5

Junmin Lv, Dan Wang, Bing Zhu, Haibo Li, Subing Fan* and Tian-sheng Zhao



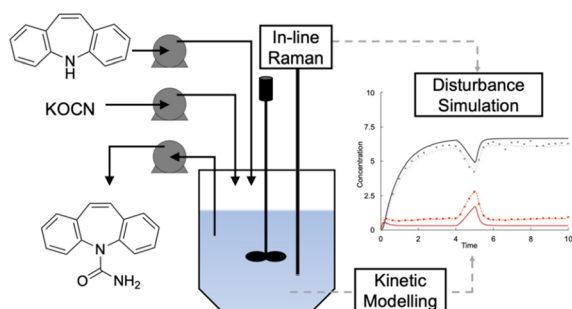
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Electrodeposition of activated carbon on Ni foam for monolithic catalysts and intensification of hydrogenation performance in a micropacked bed

Chi Ma, Wei Liu, Fengyan Lou, Chenghao Zhang and Jisong Zhang*

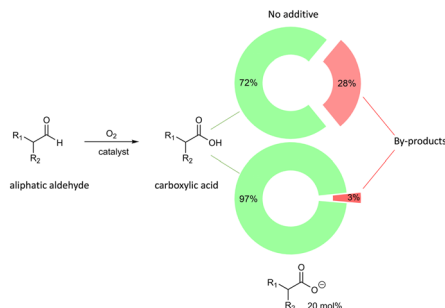
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Development of a continuous synthesis process for carbamazepine using validated in-line Raman spectroscopy and kinetic modelling for disturbance simulation

Matthew Glace, Wei Wu, Harrison Kraus, David Acevedo, Thomas D. Roper and Adil Mohammad*

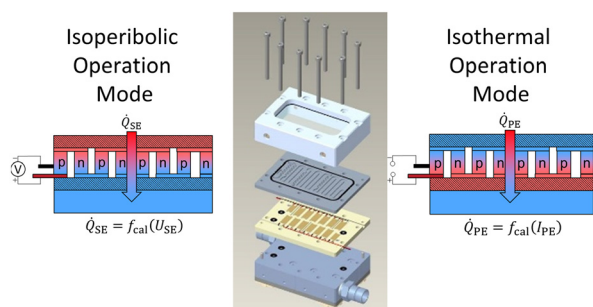
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Selective aerobic oxidation of aliphatic aldehydes: the critical role of percarboxylate anion on the selectivity

Laurent Vanoye and Alain Favre-Régouillon*

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Design and characterization of a flow reaction calorimeter based on FlowPlate® Lab and Peltier elements

Timothy A. Frede,* Nils vom Hofe, Rafael Jasper Reuß, Niklas Kemmerling, Tobias Kock, Frank Herbstritt and Norbert Kockmann*

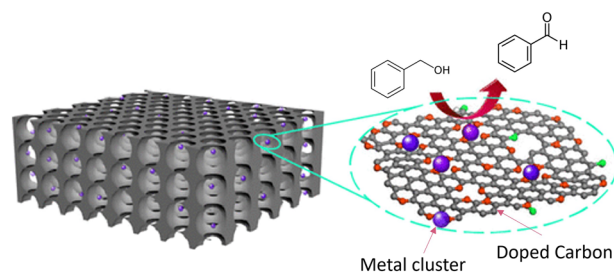


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Enhanced activation of persulfate improves the selective oxidation of alcohols catalyzed by earth-abundant metal oxides embedded on porous N-doped carbon derived from chitosan

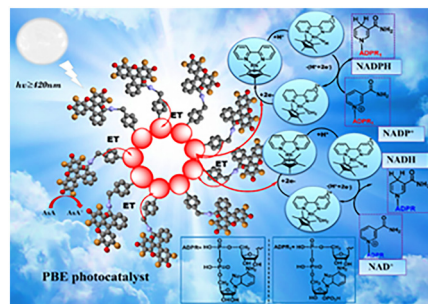
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Polystyrene-based eosin-Y as a photocatalyst for solar light-mediated NADH/NADPH regeneration and organic transformations

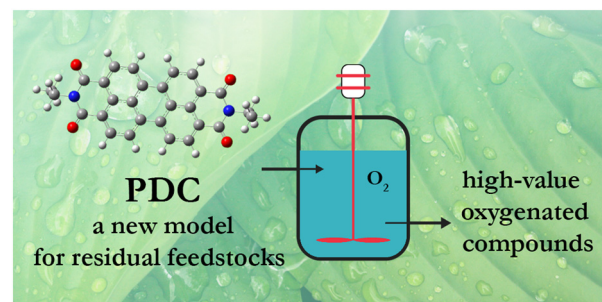
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Thermo-oxidative conversion of PDC as a molecular model of residual feedstocks to oxygen-rich chemicals

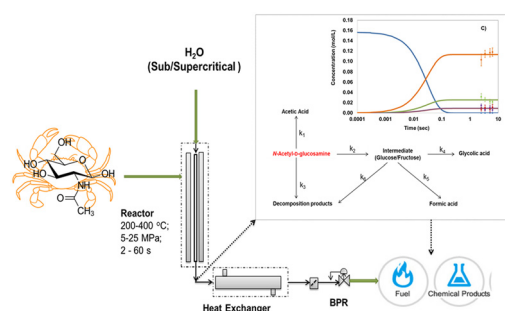
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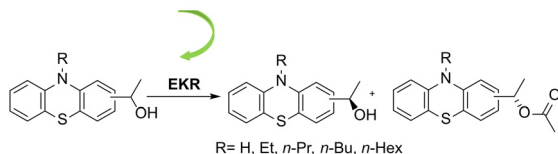
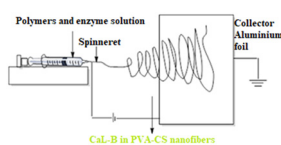
Reaction pathways and kinetics of *N*-acetyl-D-glucosamine hydrolysis in sub- and supercritical water

Sphurti P. Kulkarni, Sunil S. Joshi and Amol A. Kulkarni*



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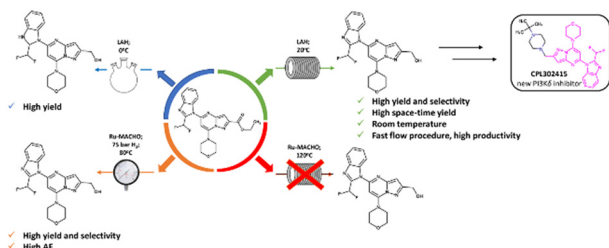
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A robust and efficient lipase based nanobiocatalyst for phenothiazinyl-ethanol resolution

Cristina-Georgiana Spelmezan, Gabriel Katona, László Csaba Bencze, Csaba Paizs and Monica Ioana Toşa*

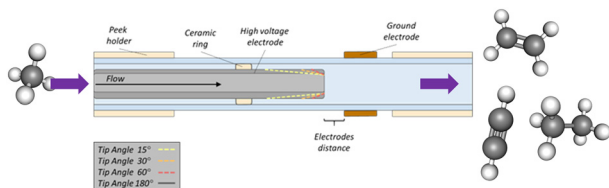
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Development and optimization of a continuous flow ester reduction with LiAlH₄ in the synthesis of a key intermediate for a PI3Kδ inhibitor (CPL302415)

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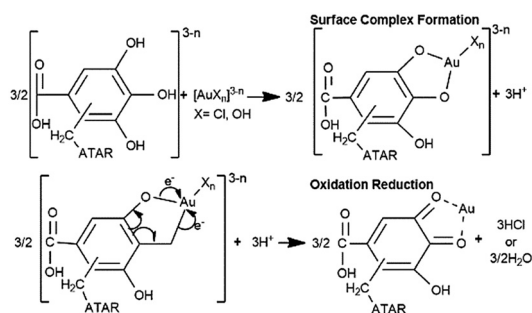
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On design of plasma jet reactor for non-oxidative methane conversion

Giulia De Felice, Sirui Li,* Fausto Gallucci, Nima Pourali and Evgeny Rebrov

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Synthesis of an ethylene diamine modified tannin polymer and recovery of gold(III) ions from electronic wastes

Engin Deniz Parlar, Özge Özten, Abdulkadir Kızılaslan and Mustafa Can*

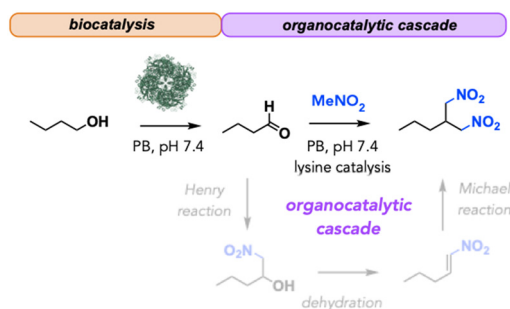


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One-pot cascade reactions for the synthesis of dinitroalkanes in aqueous buffer

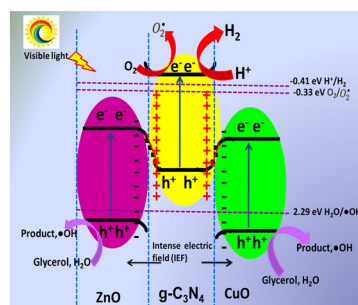
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Dual S-scheme ZnO-g-C₃N₄-CuO heterosystem: a potential photocatalyst for H₂ evolution and wastewater treatment

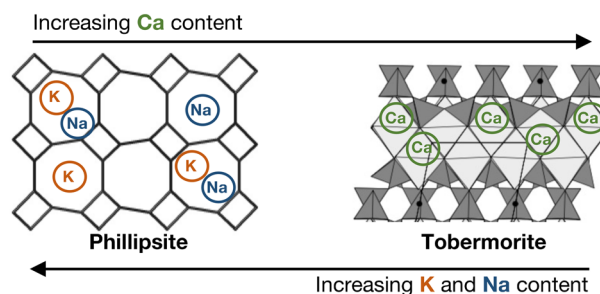
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Metal cations as inorganic structure-directing agents during the synthesis of phillipsite and tobermorite

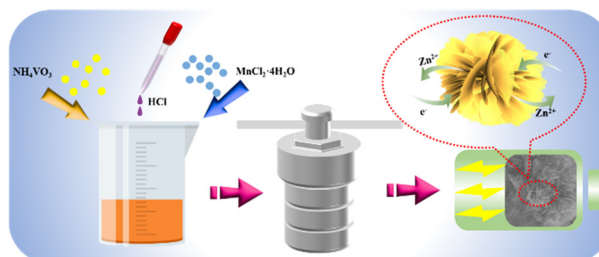
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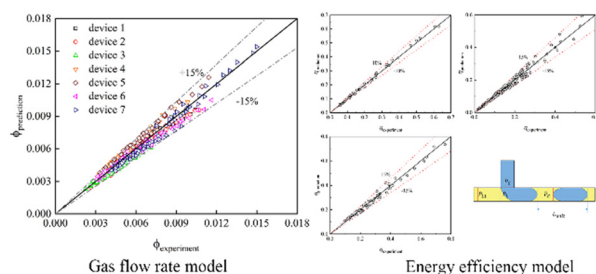
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Morphology modulation and electrochemical performance properties of Mn-decorated (NH₄)₂V₁₀O₂₅·8H₂O as a cathode material for aqueous zinc-ion batteries

Lingjiang Kou, Yong Wang, Jiajia Song,* Taotao Ai,*
Koji Kajiyoshi,* Panya Wattanapaphawong
and Jintao Wang



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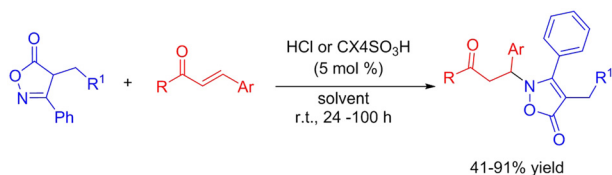


To design gas-liquid Taylor flow T-junction microreactor

A general design procedure for gas-liquid Taylor flow T-junction microreactors

Yu Chang, Lin Sheng, Jian Deng and Guangsheng Luo*

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On the Brønsted acid-catalyzed aza-Michael reaction of isoxazol-5-ones to enones: reaction optimization, scope, mechanistic investigations and scale-up

Marcelo M. de Siqueira, Pedro P. de Castro,*
 Juliana A. dos Santos, Leonã S. Flores,
 Walysson F. de Paiva, Sergio A. Fernandes
 and Giovanni W. Amarante*

