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Cover

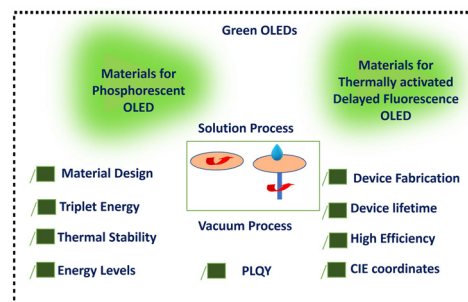
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REVIEW

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High-Efficiency Functional Materials: Challenges and Developments in Solution and Dry Processed Green OLEDs

Krishan Kumar*

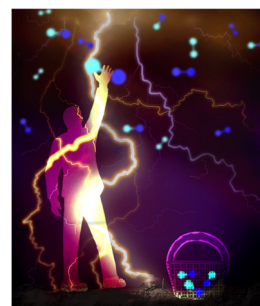


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Improving the energy yield of plasma-based NO_x synthesis with *in situ* adsorption

Kevin Hendrik Reindert Rouwenhorst, Sybe Tabak and Leon Lefferts*





Environmental Science: Atmospheres

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Fundamental questions
Elemental answers



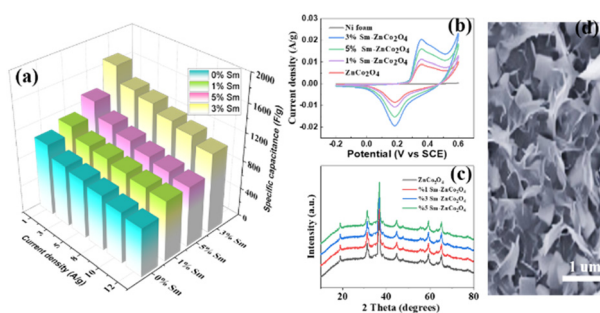
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Research on zinc cobaltate porous mesh materials with different percentages of Sm doping: synthesis, structural and capacitive properties analysis

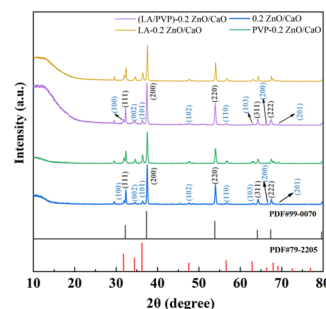
Jing Wang,* Hongyu Wu, Tingting Hao, Jian Hao and Gang Wang



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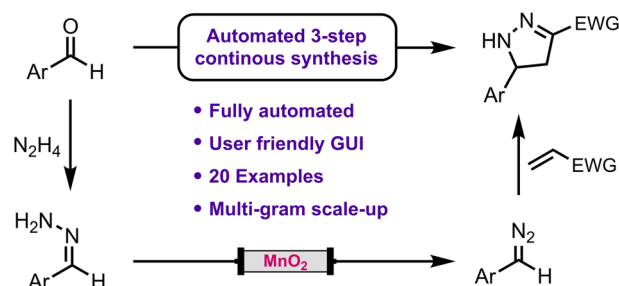
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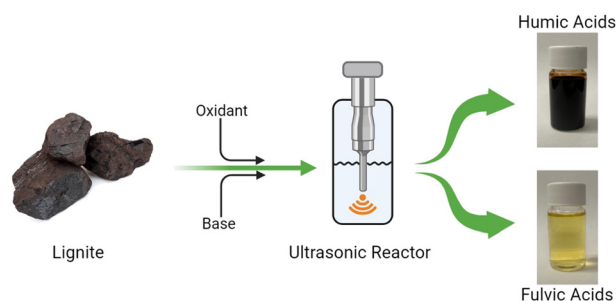
Ricardo Labes, Julio C. Pastre,* Richard J. Ingham, Claudio Battilocchio, Henrique M. Marçon, Mariana C. F. C. B. Damião, Duc N. Tran and Steven V. Ley*



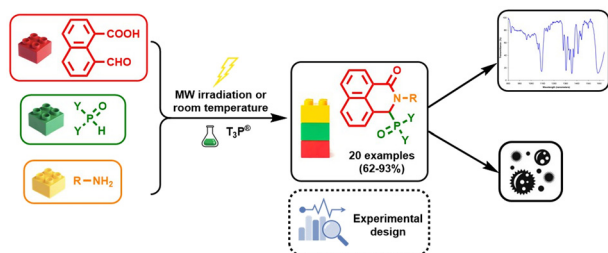
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Production of humic and fulvic acid analogs through the ultrasonication of low-rank lignite coals

Redhwan Al-Akbari, Abdallah D. Manasrah* and Nashaat N. Nassar*



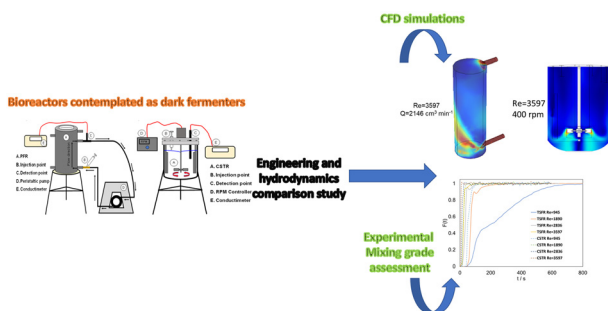
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Phosphoryl- or phosphinoyl-functionalized benzo[de]isoquinolinones: synthesis, experimental design, mechanism and biological activity

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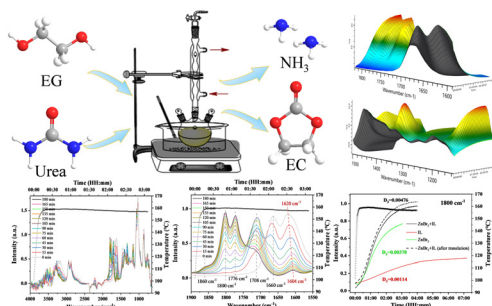
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H. O. Mendez-Acosta, J. T. López-Maldonado, A. D. Villalobos-Lara, A. Flores-Rangel and F. F. Rivera*

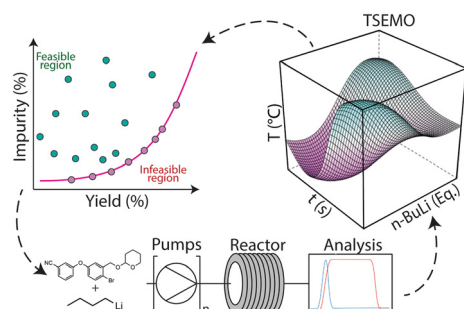
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Jie Wang, Jielin Huang, Songsong Chen, Junping Zhang, Li Dong* and Xiangping Zhang

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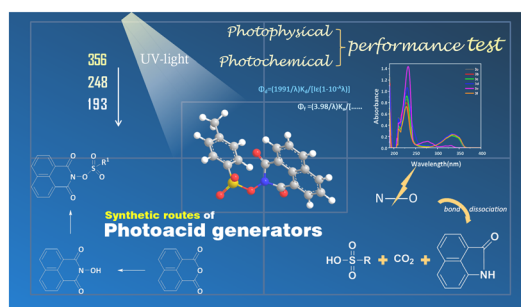
Dogancan Karan, Guoying Chen, Nicholas Jose, Jiaru Bai, Paul McDaid and Alexei A. Lapkin*



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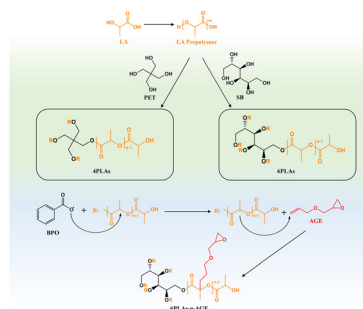
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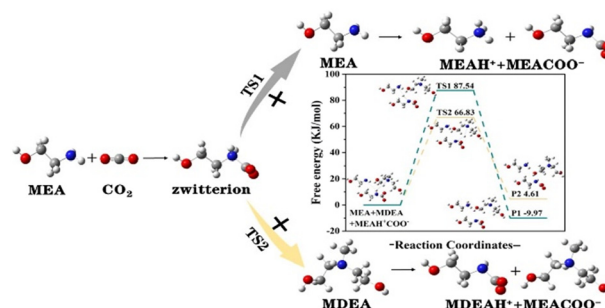
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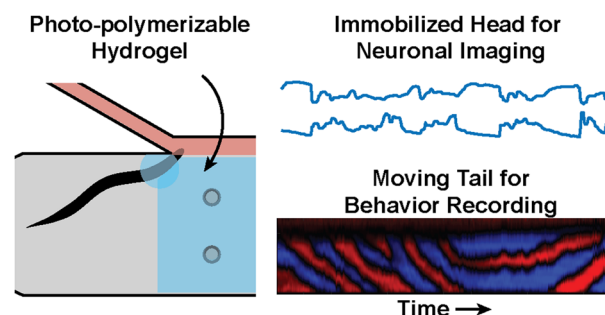
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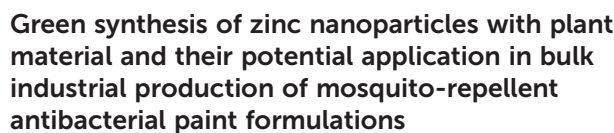


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Microfluidic localized hydrogel polymerization enables simultaneous recording of neural activity and behavior in *C. elegans*

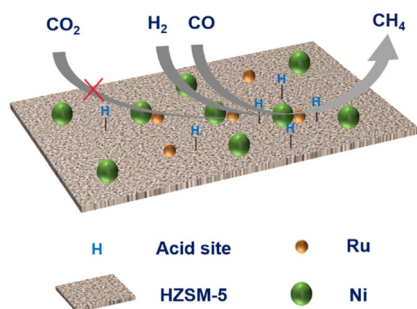
Hyun Jee Lee, Julia Vallier and Hang Lu*





Hammad Majeed,* Tehreema Iftikhar* and Rida Abid

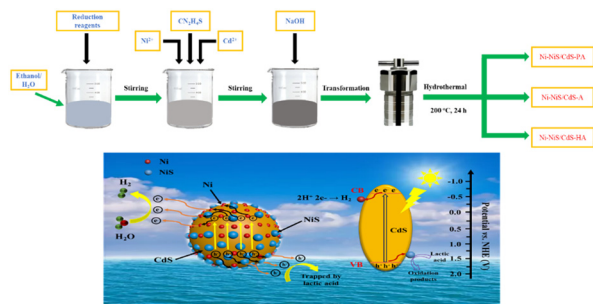
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Selective methanation of CO over HZSM-5 supported Ni and Ni–Ru catalysts

Yiding Yang, Xinyu Wu, Yuchang Zhang, Haojie Geng,
Siyu Yu* and Shetian Liu*

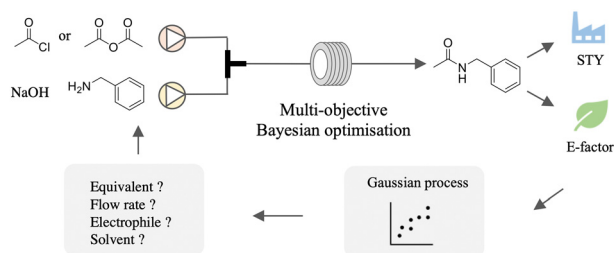
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Zhisheng Shi, Yaoyao Li, Chaofan Liu, Xingyang Li,
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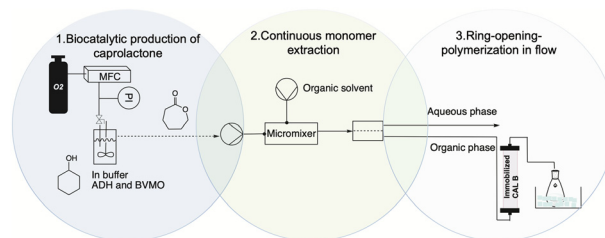
Multi-objective Bayesian optimisation using q -noisy expected hypervolume improvement (q NEHVI) for the Schotten–Baumann reaction

Jiyizhe Zhang, Naoto Sugisawa, Kobi C. Felton,
Shinichiro Fuse and Alexei A. Lapkin*

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A multistep (semi)-continuous biocatalytic setup for the production of polycaprolactone

Alessia Valotta,* Daniela Stelzer, Tamara Reiter, Wolfgang Kroutil and Heidrun Gruber-Woelfler*



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Tongtong Wu, Weili Gao, Jiehe Zhang, Mingxu Hao, Shiyu Zhang and Haisheng Tao*

