

Green Chemistry

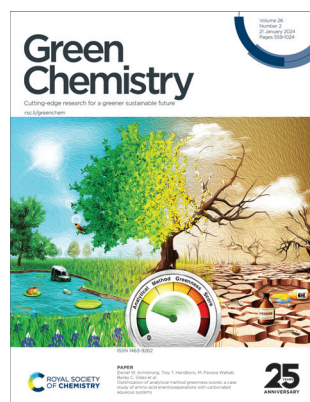
Cutting-edge research for a greener sustainable future

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ISSN 1463-9262 CODEN GRCHFJ 26(2) 559–1024 (2024)



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See Daniel W. Armstrong, Troy T. Handlovic, M. Farooq Wahab, Bailey C. Glass *et al.*, pp. 760–770.

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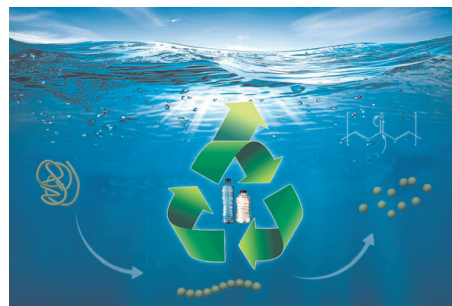
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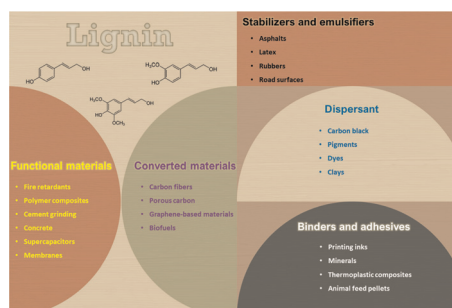
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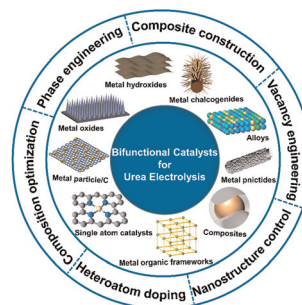


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Zhijie Chen, Wei Wei, Ho Kyong Shon and Bing-Jie Ni*

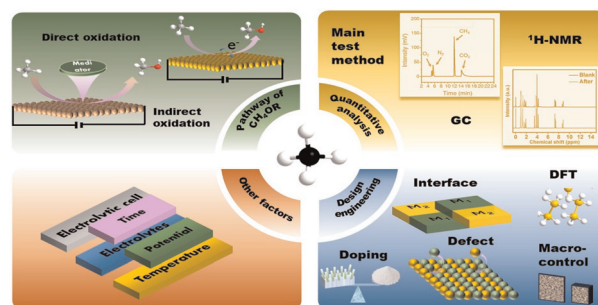


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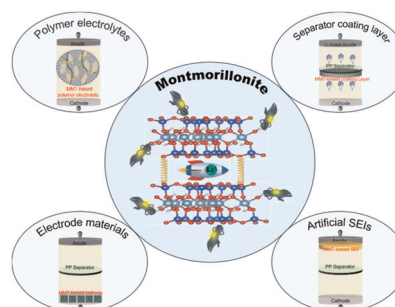
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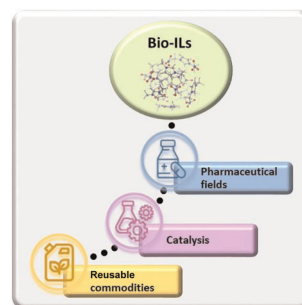
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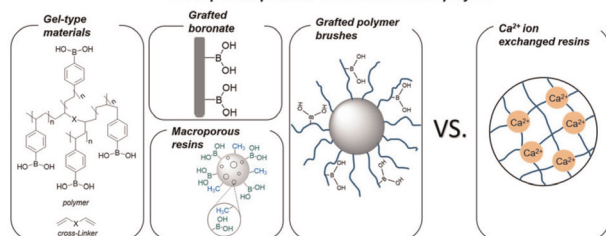
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Adsorptive separation of saccharides and polyols



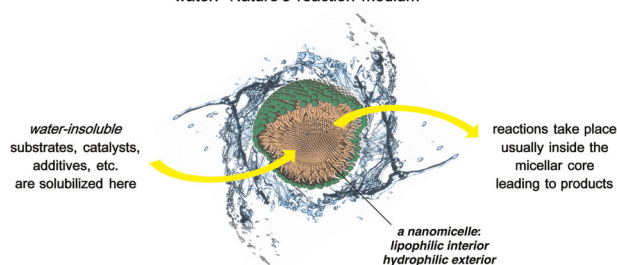
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Irina Delidovich* and Valérie Toussaint

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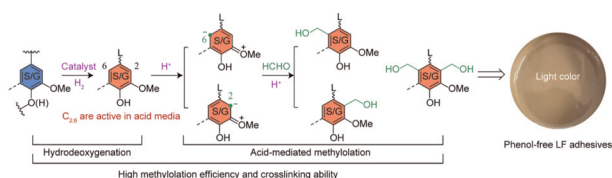


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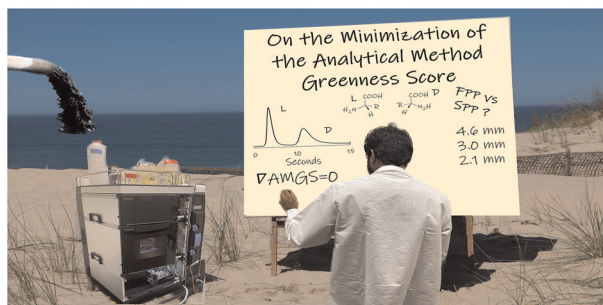


Hydrodeoxygenation of condensed lignins followed by acid-mediated methylation enables preparation of lignin-based wood adhesives

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Troy T. Handlovic, M. Farooq Wahab, Bailey C. Glass and Daniel W. Armstrong*

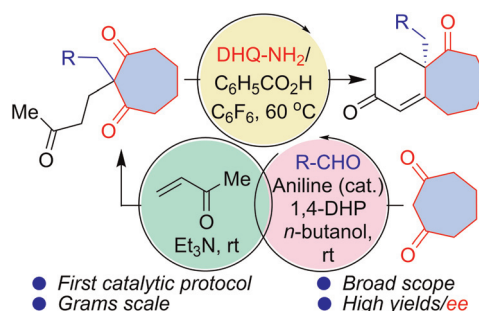


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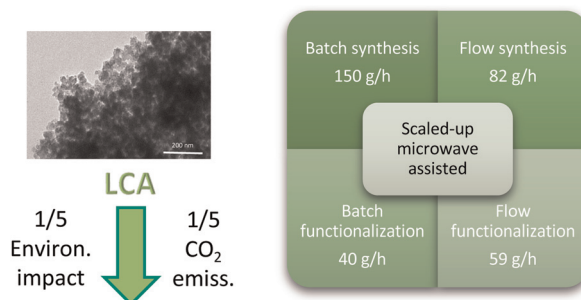
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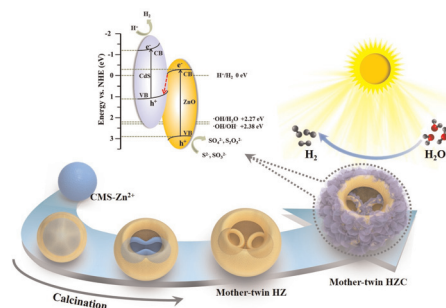
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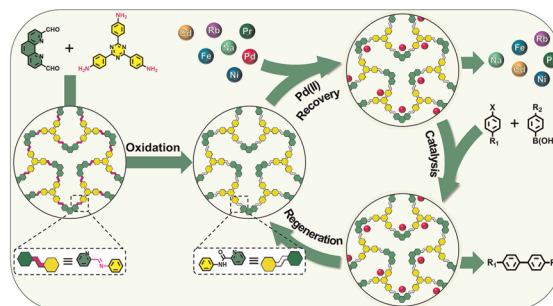
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Palladium recovery from acidic solution with phenanthroline-based covalent organic polymers as adsorbents for efficient heterogeneous catalysis

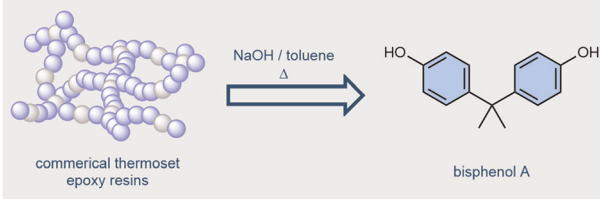
Hui Liu, Pengcheng Wu, Ke Wang, Qing Li, Chengkan Yu, Xiaowei Li, Yimin Cai,* Wen Feng* and Lihua Yuan*



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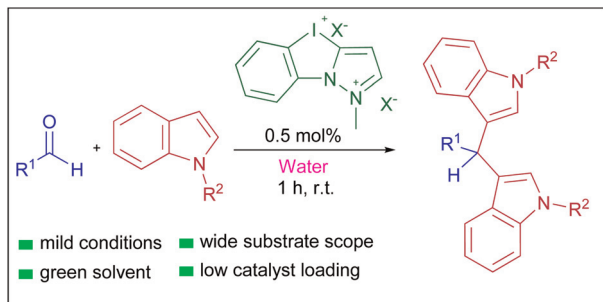
Chemical deconstruction of epoxy polymers for monomer recovery



Solvent–base mismatch enables the deconstruction of epoxy polymers and bisphenol A recovery

Hongwei Sun, Alexander Ahrens,* Gabriel Martins Ferreira Batista, Bjarke S. Donslund, Anne K. Ravn, Emil Vincent Schwibinger, Ainara Nova and Troels Skrydstrup*

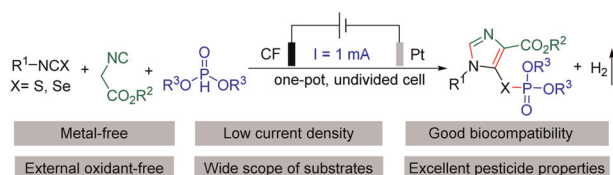
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Organocatalytic Friedel–Crafts arylation of aldehydes with indoles utilizing N-heterocyclic iod(az)olium salts as halogen-bonding catalysts

Eirini M. Galathri, Thomas J. Kuczmera, Boris J. Nachtsheim* and Christoforos G. Kokotos*

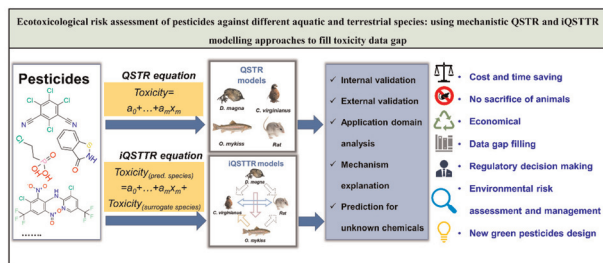
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Electrooxidation-induced synthesis of 3-thio/selenophosphorylated imidazole: a potent pesticide with good biocompatibility

Yonghong Yin, Jianjing Yang, Kelu Yan, Ting Zeng, Hongyan Lin, Jing Ling, Shibo Wang* and Jiangwei Wen*

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Ecotoxicological risk assessment of pesticides against different aquatic and terrestrial species: using mechanistic QSTR and iQSTTR modelling approaches to fill the toxicity data gap

Yishan Li, Tengjiao Fan, Ting Ren, Na Zhang, Lijiao Zhao, Rugang Zhong and Guohui Sun*

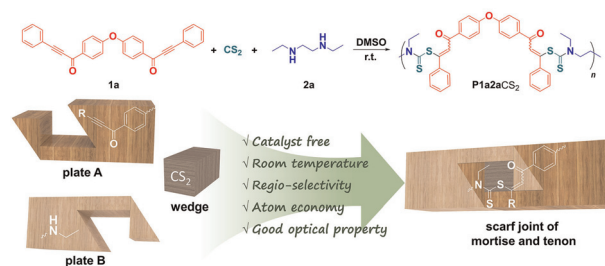


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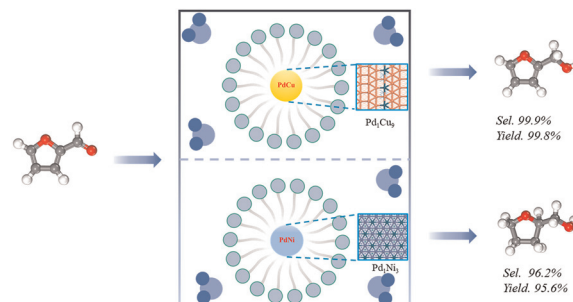
Xu Chen, Anjun Qin* and Ben Zhong Tang*



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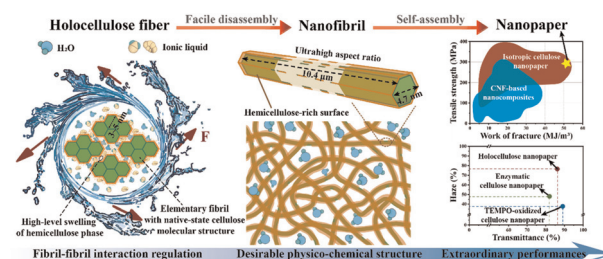
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Weakening fibril–fibril interactions via an on-demand regulation of hemicellulose phase towards the facile disassembly of lignocellulose heterostructure into approaching native-state elementary fibrils

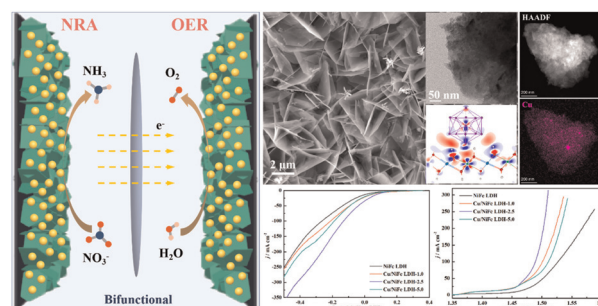
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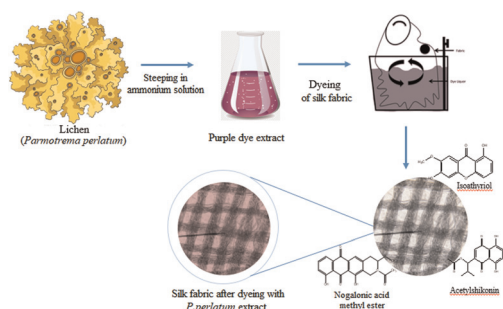
A Cu loaded NiFe layered double hydroxide bifunctional electrocatalyst with a coupled interface structure for both the nitrate reduction reaction and oxygen evolution reaction

Feng Du, Jixin Yao, Hui Luo, Yanru Chen, Yujie Qin, Yuxin Du, Yijian Wang, Wei Hou, Miaoxi Shuai and Chunxian Guo*



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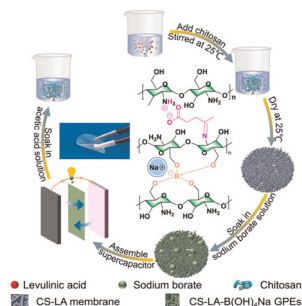
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Sustainable dyeing of silk using an acetylshikonin-based natural colourant from the lichen *Parmotrema perlatum*

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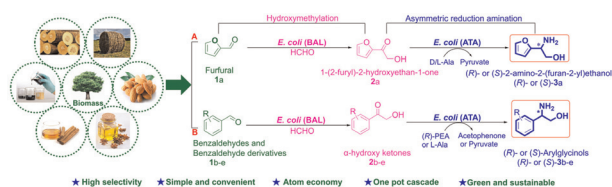
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Mingwei Xu, Wang Yue, Lihua Zhang, Kui Chen,
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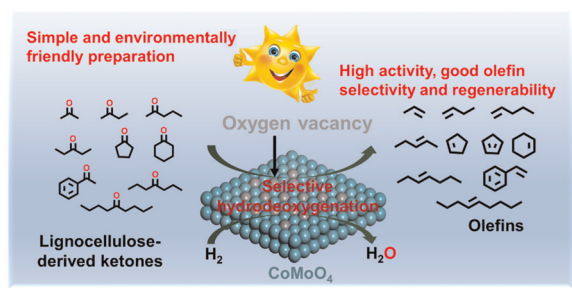
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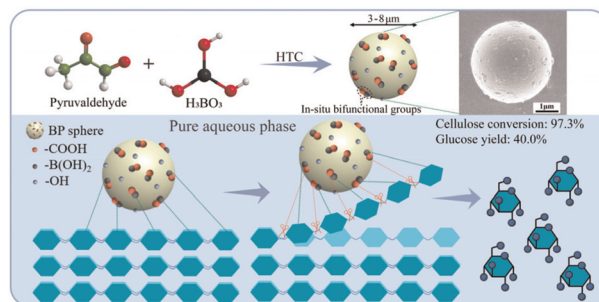


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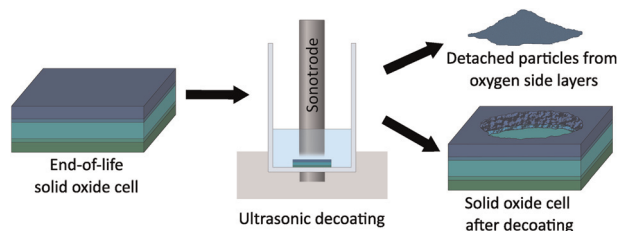
Yuhua Chen, Chengqi Feng,* Chenkai Jin, Yuxin Zhu, Juncheng Huang, Haining Na* and Jin Zhu



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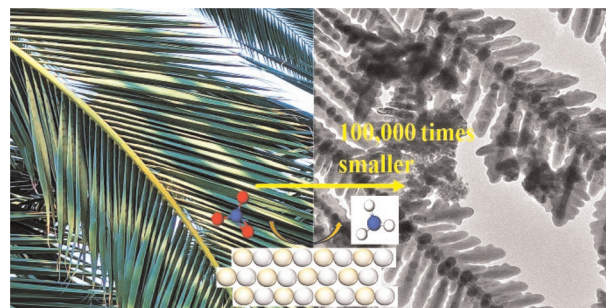
Carlo Kaiser,* Thomas Buchwald and Urs A. Peuker



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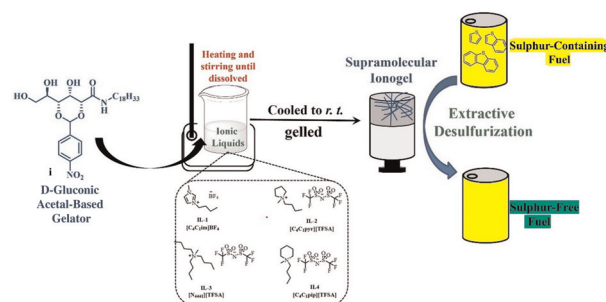
Xinwei Wen, Yue Zhao, Puyang Fan, Jiajie Wu, Kai Xiong, Chang Liu, Qing Qu* and Lei Li*



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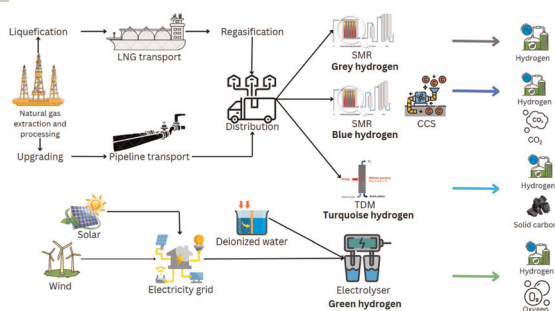
Preparation, characterization and application of D-gluconic acetal-based self-healing supramolecular ionogels for desulphurization of fuels

Shipeng Chen,* Jinping Wang, Li Feng, Zebin Song, Xiaoji Wang, Yubin Ke, Lin Hua, Yange Fan, Zheng Li, Yimin Hou,* Baoyu Xue* and Luke Liu*



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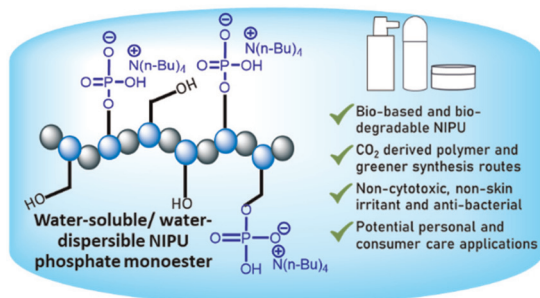
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Gulam Husain Patel,* Jouni Havukainen, Mika Horttanainen, Risto Soukka and Mari Tuomaala

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Phosphate functionalized nonisocyanate polyurethanes with bio-origin, water solubility and biodegradability

Eric Kwok Wai Tam, Ning Xi Chong, Ping Sen Choong, Barindra Sana, Abdul Majeed Seayad, Satyasankar Jana* and Jayasree Seayad*

CORRECTION

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Correction: Organocatalytic Friedel–Crafts arylation of aldehydes with indoles utilizing N-heterocyclic iod(az)olium salts as halogen-bonding catalysts

Eirini M. Galathri, Thomas J. Kuczmera, Boris J. Nachtsheim* and Christoforos G. Kokotos*

