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Emma Eley, Executive Editor.

E-mail: [rscsus-rsc@rsc.org](mailto:rscsus-rsc@rsc.org)

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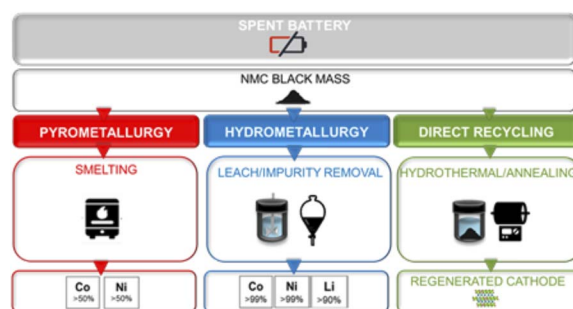


## CRITICAL REVIEWS

1932

## Hydrometallurgical recycling technologies for NMC Li-ion battery cathodes: current industrial practice and new R&D trends

Krystal Davis\* and George P. Demopoulos\*

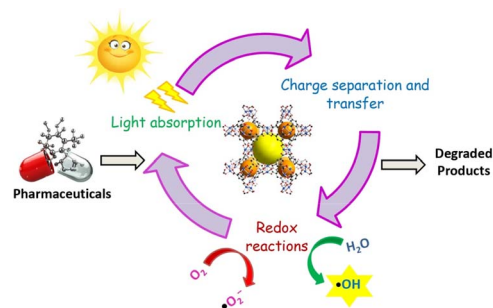


## TUTORIAL REVIEW

1952

## Recent advances in Cu-BTC MOF-based engineered materials for the photocatalytic treatment of pharmaceutical wastewater towards environmental remediation

Saptarshi Roy, Jnyanashree Darabdhara and Md. Ahmaruzzaman\*

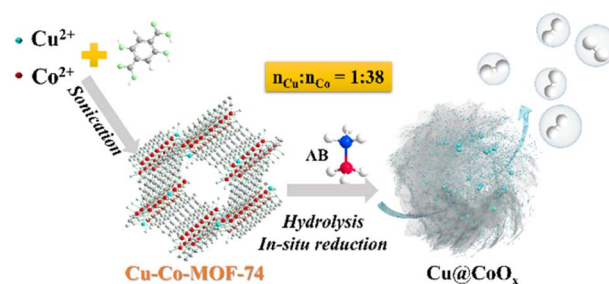


## COMMUNICATION

1962

## Copper nanoparticles decorated on cobalt oxide nanosheets derived from bimetallic metal–organic-framework for hydrolysis of ammonia borane

Qiuju Wang, Lianli Zou and Qiang Xu\*

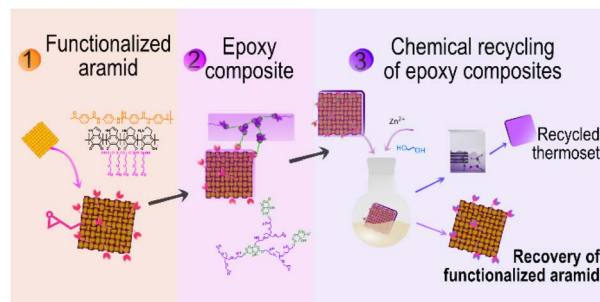


## PAPERS

1967

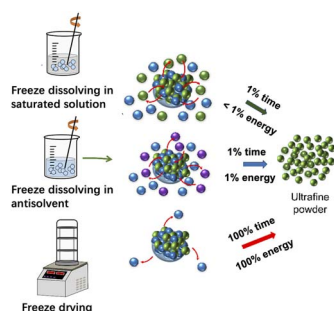
## Surface modification of aramid fiber meshes – the key to chemically recyclable epoxy composites

Karla Garfias, Inger Odnevall, Karin Odelius and Minna Hakkarainen\*



## PAPERS

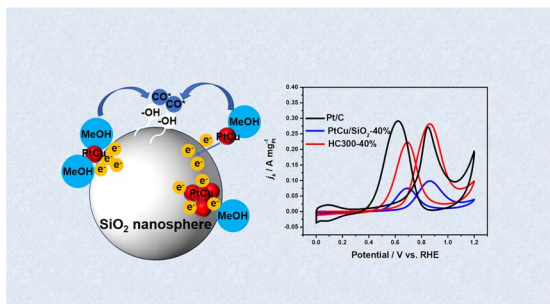
1982



### Fast and simple preparation of microparticles of $\text{KHCO}_3$ by a freeze-dissolving method with single solvent or additional antisolvent

Jiaqi Luo, Qifan Su, Qiushuo Yu,\* Xinyue Zhai, Yuan Zou and Huaiyu Yang\*

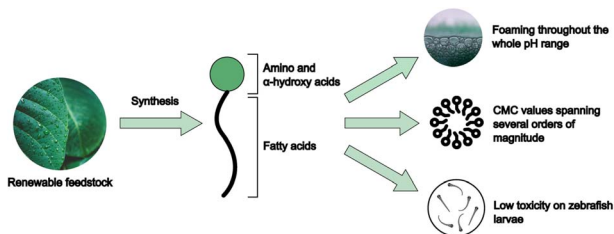
1989



### The heat-promoted metal–support interaction of a PtCu/SiO<sub>2</sub> carbon-free catalyst for the methanol oxidation and oxygen reduction reactions

Quanqing Zhao, Han Zhi, Liu Yang and Feng Xu\*

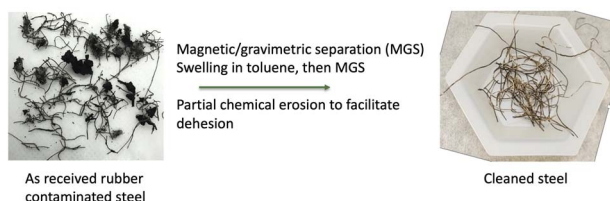
1995



### Synthesis, physicochemical characterization and aquatic toxicity studies of anionic surfactants derived from amino and α-hydroxy acids

Demian Kalebic, Koen Binnemans, Peter A. M. de Witte and Wim Dehaen\*

2006



### Cleaning steel by devulcanizing rubber from used automotive tires

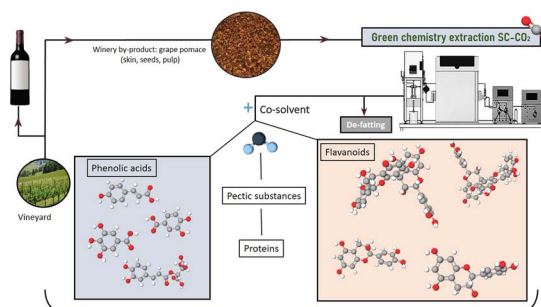
Yang Chen, Saleh Ibrahim, Sijia Zheng, Liam Wittenberg, Spencer Chapple, Griffin LaChapelle, Cheok Hang lao, Adam Bourke and Michael A. Brook\*



2014

## Sequential extraction of high-value added molecules from grape pomaces using supercritical fluids with water as a co-solvent

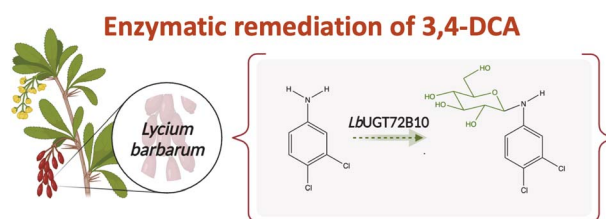
Gayane Hayrapetyan, Karen Trchounian, Laurine Buon, Laurence Noret, Benoît Pinel, Jeremy Lagrue and Ali Assifaoui\*



2024

## Identification and functional characterization of novel plant UDP-glycosyltransferase (*LbUGT72B10*) for the bioremediation of 3,4-dichloroaniline

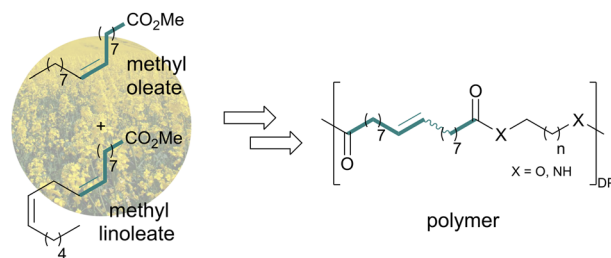
Valeria Della Gala and Ditte Heddam Welner\*



2033

## Cross-metathesis of technical grade methyl oleate for the synthesis of bio-based polyesters and polyamides

Paweł Krzesiński, Vincent César, Karol Grela, Sergio Santos and Pablo Ortiz\*



2038

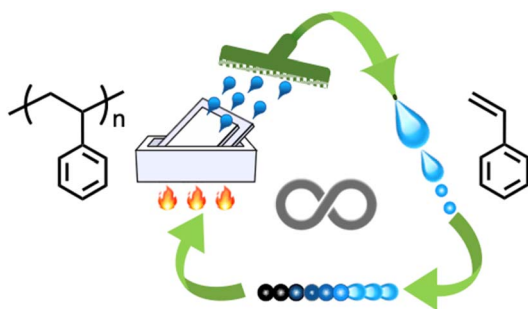
## A sustainable approach for the adsorption of methylene blue from an aqueous background: an adsorbent based on DES/CGS modified GO@ZrO<sub>2</sub>

Vishwajit Chavda, Brijesh Patel, Sneha Singh, Darshna Hirpara, V. Devi Rajeswari and Sanjeev Kumar\*



## PAPERS

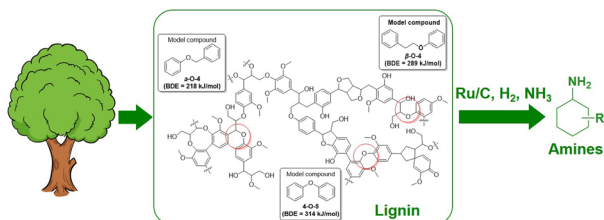
2058



**Vacuum pyrolysis depolymerization of waste polystyrene foam into high-purity styrene using a spirit lamp flame for convenient chemical recycling**

Eri Yoshida\*

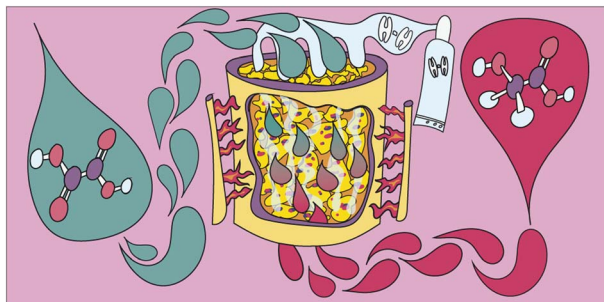
2066



**The highly selective conversion of lignin models and organosolv lignin to amines over a Ru/C catalyst**

Jin Xie, Xiaojing Wu, Jieyun Zhang, Xin Dai, Zelong Li\* and Can Li\*

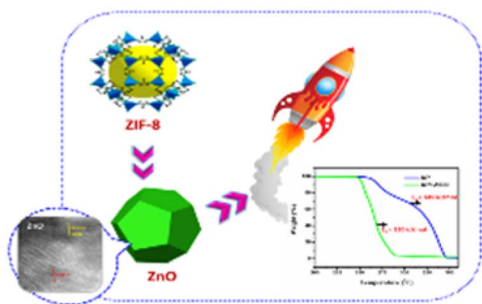
2072



**Selective reduction of oxalic acid to glycolic acid at low temperature in a continuous flow process**

Eric Schuler, Lars Grooten, Paula Oulego, N. Raveendran Shiju and Gert-Jan M. Gruter\*

2081



**ZIF-8 derived ZnO: a facile catalyst for ammonium perchlorate thermal decomposition**

Gladiya Mani, Aswathy V. Kumar and Suresh Mathew\*



2092

## An actionable definition and criteria for “sustainable chemistry” based on literature review and a global multisectoral stakeholder working group

Amy Cannon, Sally Edwards, Molly Jacobs,  
Jonathon W. Moir, Monika A. Roy and Joel A. Tickner\*

