

# Industrial Chemistry & Materials

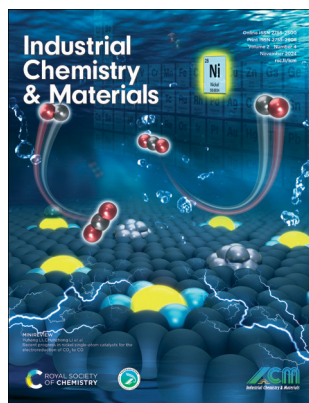
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### Cover

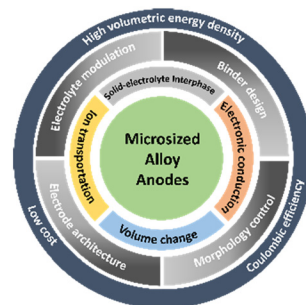
See Yuhang Li,  
Chunzhong Li *et al.*,  
pp. 533–555.  
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*Chem. Mater.*, 2024, 2, 533.

## REVIEWS

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### Strategies to enable micro-sized alloy anodes for high-energy and long-life alkali-ion batteries

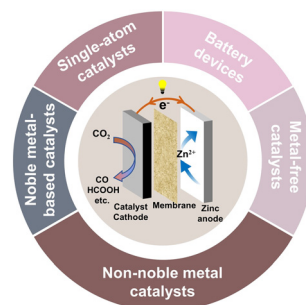
Amine Daali, Rachid Amine, Wilkistar Otieno,  
Gui-Liang Xu\* and Khalil Amine\*



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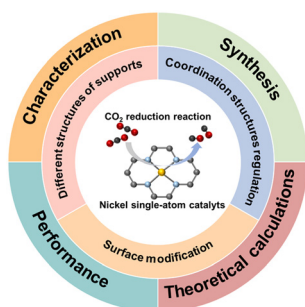
### Aqueous Zn-CO<sub>2</sub> batteries: a route towards sustainable energy storage

Yanxiu Liu, Junjie Chen, Weichen Li, Yu Zhang,\*  
Xianwei Fu, Erling Li, Shangbin Jin, Li-Ming Yang,  
Zhihong Tian,\* Markus Antonietti and Tianxi Liu\*



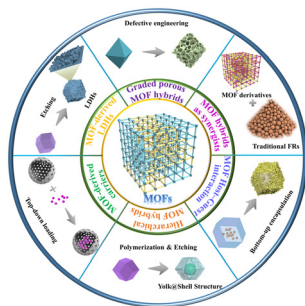
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Ziyan Yang, Rongzhen Chen, Ling Zhang, Yuhang Li\* and Chunzhong Li\*

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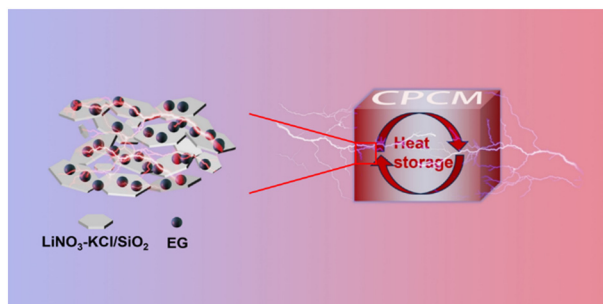


## Coordination bond cleavage of metal-organic frameworks and application to flame-retardant polymeric materials

Kunpeng Song, Ye-Tang Pan,\* Jiyu He and Rongjie Yang

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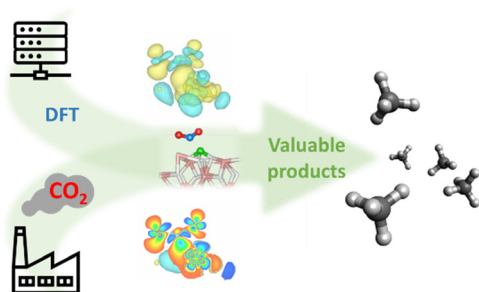
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## Preparation of inorganic molten salt composite phase change materials and study on their electrothermal conversion properties

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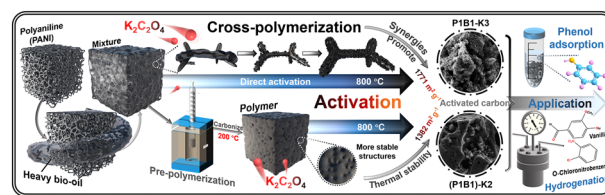
Sara Rozas, Fabiana C. Gennari, Mert Atilhan, Alfredo Bol and Santiago Aparicio\*



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## Cross-polymerization between bio-oil and polyaniline: synergistic effects on pore development in subsequent activation and adsorption of phenol

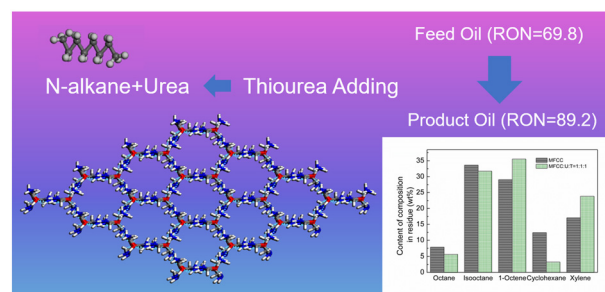
Baihong Li, Chao Li, Dianqiang Li, Lijun Zhang, Shu Zhang, Yi Wang, Song Hu, Jun Xiang, Mortaza Gholizadeh and Xun Hu\*



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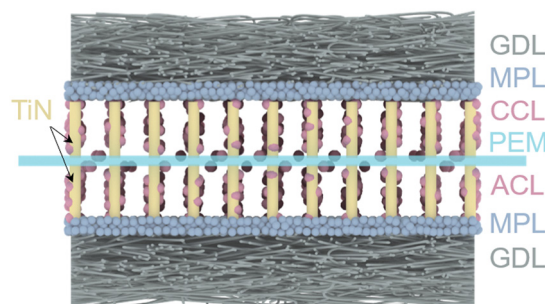
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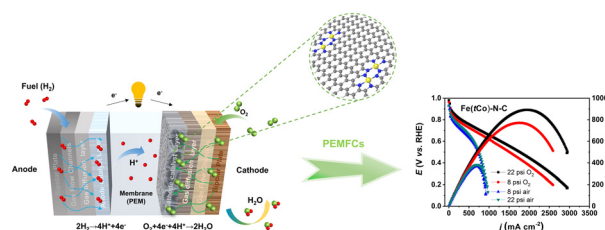
Lingfeng Xuan, Deqing Mei, Caiying Zhou, Wenzhe Mao and Yancheng Wang\*

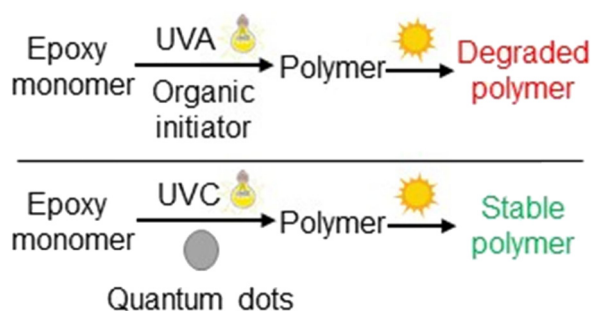


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## Elongated Fe–N–C containing trace atomic Co dopants for high power density PEMFCs

Jiayao Cui, Junyong Min, Hao Wang,\* Jianglan Shui, Lishan Peng, Zhenye Kang, Jieyuan Liu, Qingjun Chen,\* Shuo Bai and Yanrong Liu\*





### Photo-polymerization using quantum dots for stable epoxy coatings

Keroles B. Riad, M. Reza Kholghy and Paula M. Wood-Adams\*

