

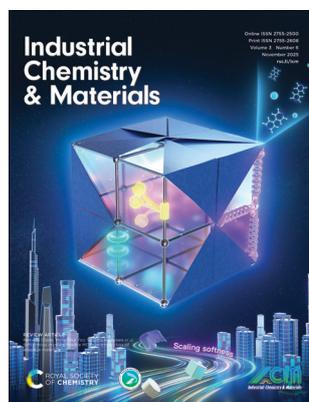
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ISSN 2755-2500 CODEN ICMNCZ 3(6) 645-756 (2025)



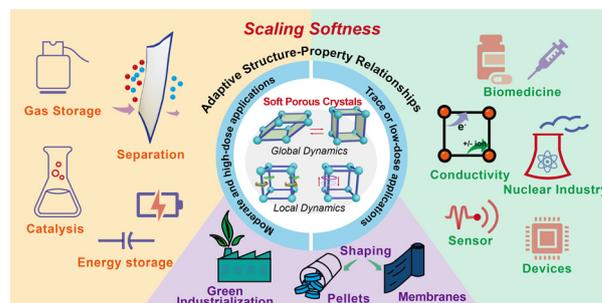
Cover
See Ken-ichi Otake,
Ming-Shui Yao,
Susumu Kitagawa et al.,
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3, 651.

REVIEWS

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Soft porous crystals: flexible MOFs as a new class of adaptive materials

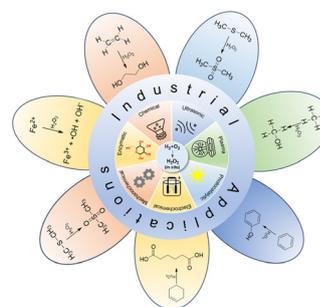
Jiahui Guo, Sai Chu, Fangli Yuan, Ken-ichi Otake,*
Ming-Shui Yao* and Susumu Kitagawa*



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Advances in coupling catalytic selective oxidation reactions with *in situ* synthesis of hydrogen peroxide

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Jinke Yao, Tao Liu, Wenyong Chu, Feng Feng,
Qunfeng Zhang, Qingtao Wang, Dahao Jiang,
Guofu Zhang, Chunshan Lu, Chengrong Ding*
and Xiaonian Li*





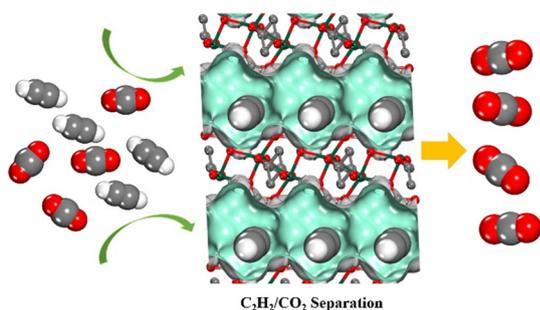
Alternative sources of carbon for moving towards a sustainable carbon cycle

Michele Aresta



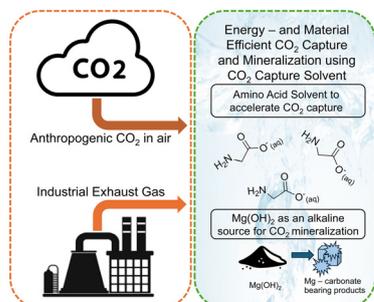
Deactivation mechanisms of Cu-Zn-Al₂O₃ in CO₂ hydrogenation induced by SO₂ exposure

Xuan Bie, Ruoyu Wu, Bocheng Yu, Xuelong Quan, Shiyu Zhang, Qinghai Li, Yanguo Zhang and Hui Zhou*



Scalable copper-based coordination frameworks with tailored pore chemistry for energy-efficient C₂H₂/CO₂ separation

Hao-Ling Lan, Su-Tao Zheng, Li Xu, Guo-Wei Guan and Qing-Yuan Yang*



Reactive CO₂ capture and mineralization of magnesium hydroxide to produce hydromagnesite with inherent solvent regeneration

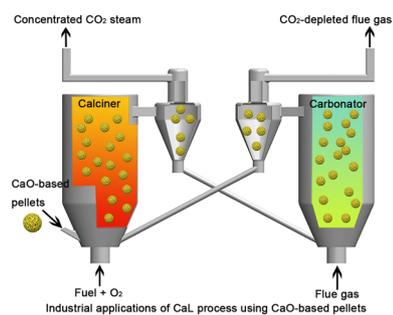
Xun Gao, Peilong Lu, Ivan Kuzmenko, Jan Ilavsky and Greeshma Gadikota*



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Improved CO₂ capture performance of CeO₂-doped CaO-based pellets: effects of particle size and steam treatment

Yong Li, Wuhao Sun, Xilei Liu, Jian Chen,* Hedan Tang, Youshi Li, Mingdi Li and Lunbo Duan*



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