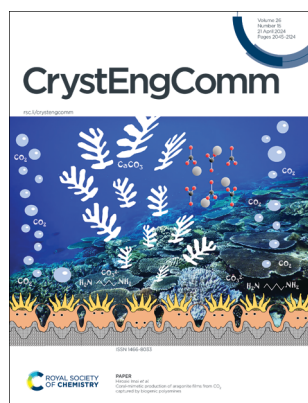


IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 26(15) 2045-2124 (2024)



Cover

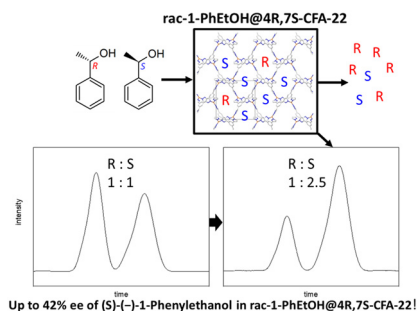
See Hiroaki Imai *et al.*, pp. 2065–2071.
Image reproduced by permission of Hiroaki Imai from *CrystEngComm*, 2024, 26, 2065.

COMMUNICATIONS

2051

Enantioselective enrichment of chiral 1-phenylethanol in the camphor-based chiral metal-organic framework CFA-22

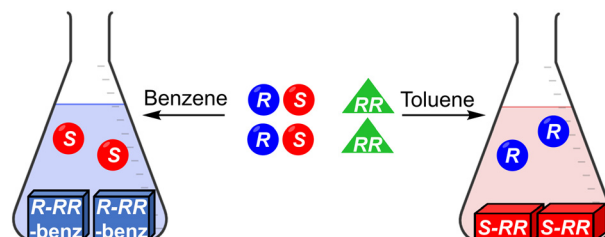
Richard Röß-Ohlenroth, Katharina Knippen, Maryana Kraft and Dirk Volkmer*



2056

Using the nature of the achiral solvent to orient chiral resolution

Joséphine de Meester, Oleksii Shemchuk, Laurent Collard, Johan Wouters, Simon Baillieux, Koen Robeyns and Tom Leyssens*



RSC Advances

**At the heart of open access for
the global chemistry community**

Editor-in-chief

Russell J Cox

Leibniz Universität Hannover, Germany

We stand for:



Breadth We publish work in all areas of chemistry and reach a global readership



Affordability Low APCs, discounts and waivers make publishing open access achievable and sustainable



Quality Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal

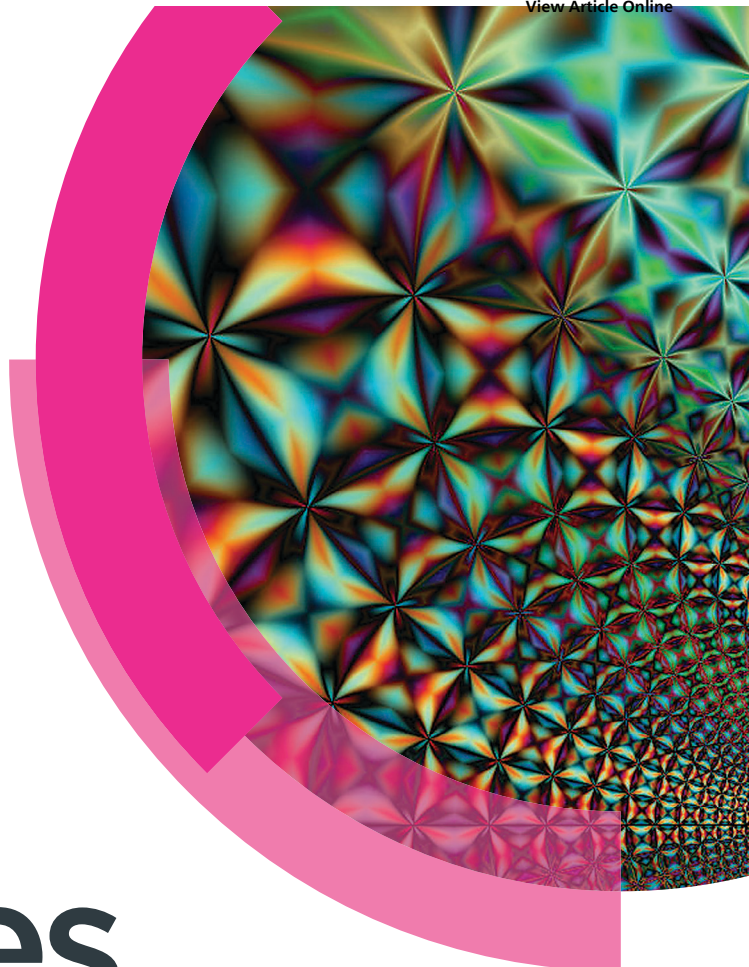


Community Led by active researchers, we publish quality work from scientists at every career stage, and all countries

Submit your work now

rsc.li/rsc-advances

@RSC_Adv

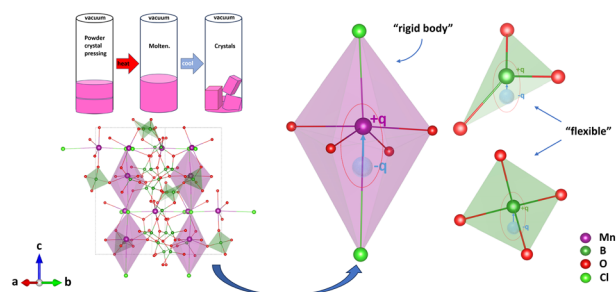


COMMUNICATIONS

2060

Crystal growth and spontaneous polarization mechanism of polar metal borate halides: $\text{Mn}_3\text{B}_7\text{O}_{13}\text{Cl}$

Haodong Li, Duo Zhang, Jiesen Guo, Qiangqiang Wang, Yuxin Ma, Munan Hao, Yuetong Wu, Fanshu Meng, Tianming Liu, Yibo Xu, Xu Chen, Changchun Zhao,*
Dezhong Meng, Zhiyuan Zheng and Ruijin Sun*

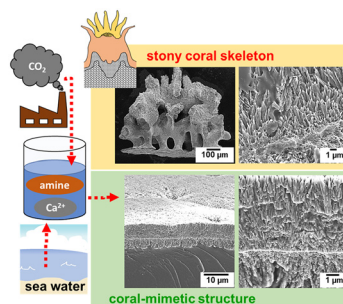


PAPERS

2065

Coral-mimetic production of aragonite films from CO_2 captured by biogenic polyamines

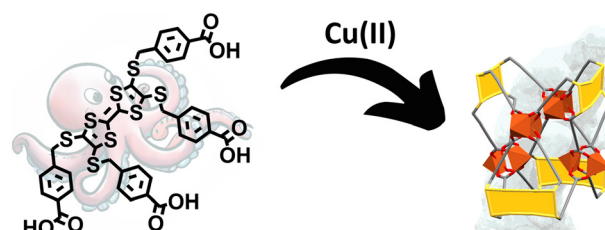
Kohei Takashina, Hiroto Watanabe, Yuya Oaki,
Yoshikazu Ohno, Ko Yasumoto and Hiroaki Imai*



2072

Metal-organic polyhedron from a flexible tetrakis(thiobenzyl-carboxylate)-tetrathiafulvalene

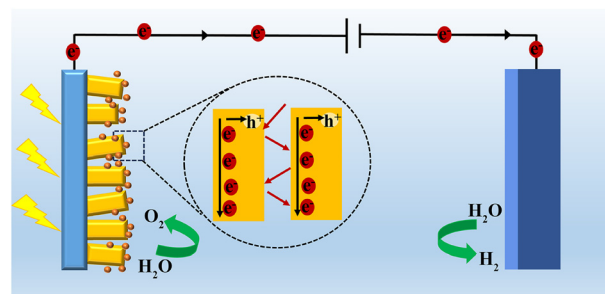
Yohan Cheret, Narcis Avarvari* and Nicolas Zigon*



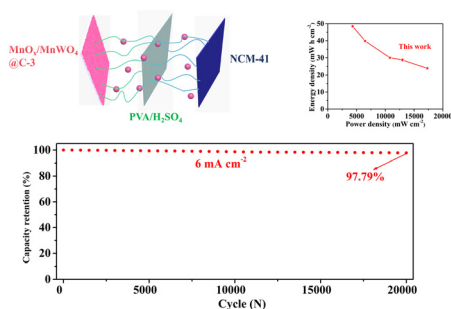
2078

Fabrication of BiVO_4 submicron rods photoanodes through phase transition assisted by Mo doping

Shuang Zhao, Haipeng Zhang, Zhaoqi Wang, Deifei Xiao, Xianbin Xu, Peng Wang, Zhaoke Zheng, Yuanyuan Liu, Ying Dai, Hefeng Cheng, Zeyan Wang*
and Baibiao Huang*



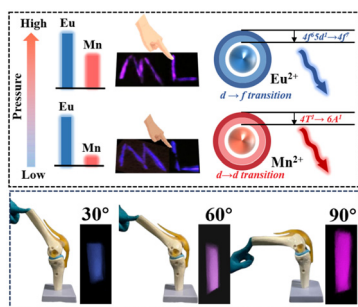
2087



Advanced $\text{MnO}_x/\text{MnWO}_4$ hetero-nanoflakes with abundant oxygen vacancies for high-performance flexible asymmetric supercapacitors with high energy density

Yanli Yin, Jingli Wang, Sihao Chen, Nengneng Han, Zhiliang Chen, Yuezhou Jing, Yahui Zhang, Juan Xu* and Zhongyang Li*

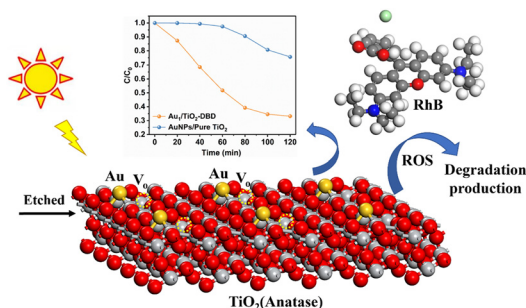
2096



Color-resolved mechanoluminescence of Eu and Mn co-doped $\text{SrMg}_2(\text{PO}_4)_2$

Qingshan He, Yajing Yan, Ting Wang,* Longchao Guo, Yang Yue, Nannan Zhu, Weifang Bu, Xin An, Bosong Duan, Xuanyu Zhu and Xue Yu*

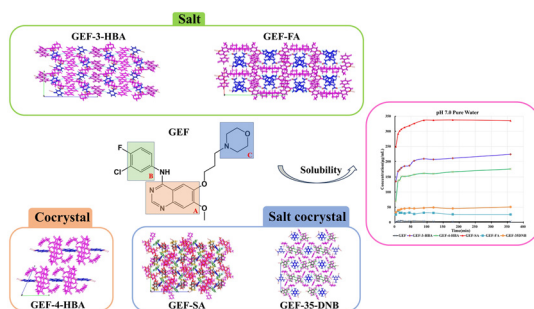
2103



Enhanced photocatalytic activity of single-atom Au_1/TiO_2 catalysts prepared using cold plasma

Zikun Yang, Jingxuan Zheng, Mengge Shi and Zhao Wang*

2112



Gefitinib salts/cocrystals with phenolic acids as a promising solid-state approach to improve solubility

Yao Zou, Xin Meng, Baoxi Zhang, Hongmei Yu, Guorong He, Ningbo Gong,* Yang Lu* and Guanhua Du

