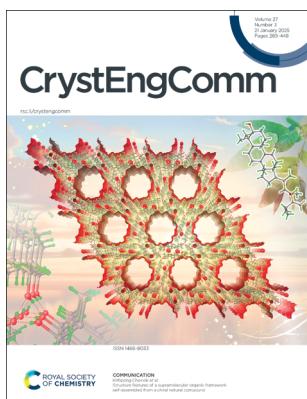


IN THIS ISSUE

ISSN 1466-8033 CODEN CRECF4 27(3) 289–448 (2025)



Cover

See Kittipong Chainok *et al.*,

pp. 297–301.

Image reproduced by permission of Kittipong Chainok from *CrystEngComm*, 2025, 27, 297.

COMMUNICATIONS

297

Structure features of a supramolecular organic framework self-assembled from a chiral natural compound

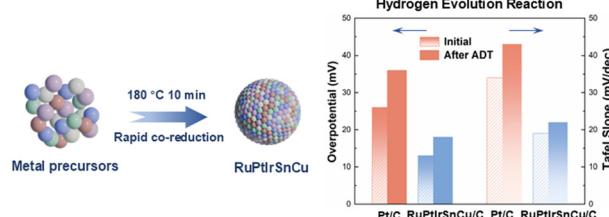
Kenika Khotchasanthong, Yupa Pootaeng-On, Kanok-on Rayanil,* Mongkol Sukwattanasinitt, Sakchai Laksee and Kittipong Chainok*



302

Rapid co-reduction synthesis of ultrafine multi-principal element alloy nanocatalysts for efficient hydrogen evolution

Yongjun Jiang, Yuankai Zhu, Yanyan Jia* and Sheng Dai*



RSC Advances

At the heart of open access for the global chemistry community

Editors-in-Chief**Russell Cox** University of Bristol & Leibniz Universität, Germany**Karen Faulds** University of Strathclyde, UK

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

**Join
in** | Submit now
| rsc.li/rsc-advances

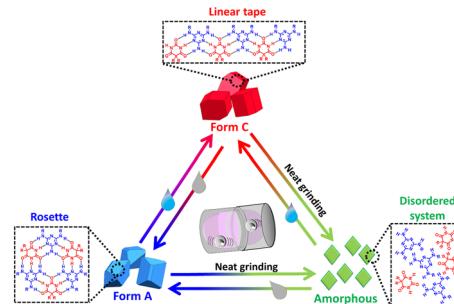
Registered charity number: 207890

COMMUNICATIONS

307

Three-phase reversible mechanochemical interconversion of hydrogen-bonded melamine : barbiturate co-crystals: from rosette to linear tape polymorphs

Inês C. B. Martins,* Ana M. Belenguer,* Giulio I. Lampronti and Petr Motloch*

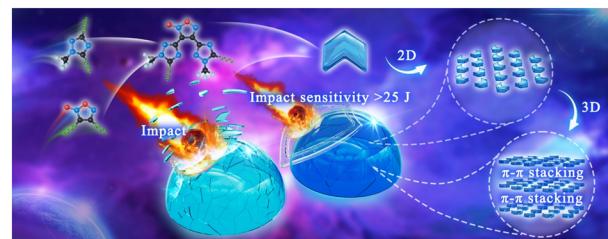


PAPERS

311

A novel bis-(triazolyl)-furoxan energetic compound —graphene-like crystal structure for balancing energy and sensitivity

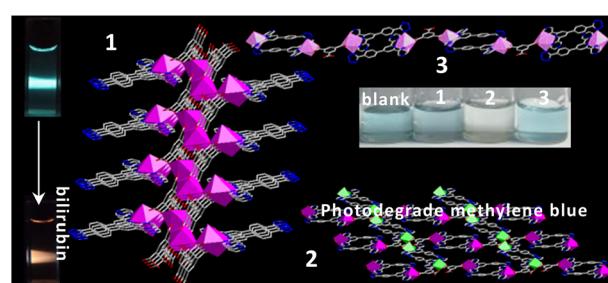
Jiapeng Wang, Jianhua Wang, Yucun Liu,* Junming Yuan, Yanwu Yu, Yankang Zhang and Xuejian Yan



325

Tailoring the coordination microenvironment of Zn(II) in a light-responsive coordination polymer system for molecular sensing and photodegradation performance

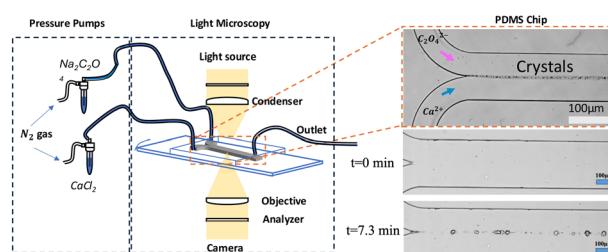
Yan Zhao, Xing Zhou,* Zheng-Yu Liu, Jia-Jun Wang, Bo Ding, Gui-Xi Liu and En-Cui Yang*

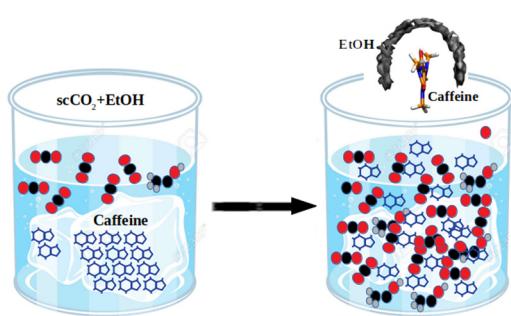


337

Crystal growth of calcium oxalate mono- and dihydrate under laminar flow in microfluidic devices

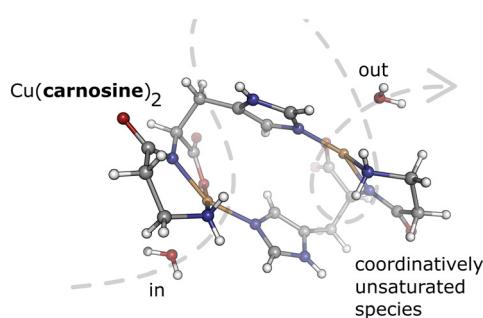
Fatma İbiş-Özdemir, René Smeets, Jiali Wang, Priya Dhand, Majid Mohamedhoesein, Frederico Marques Penha, Johan Grievink, Antoine E. D. M. van der Heijden, Herman J. M. Kramer and Huseyin Burak Eral*





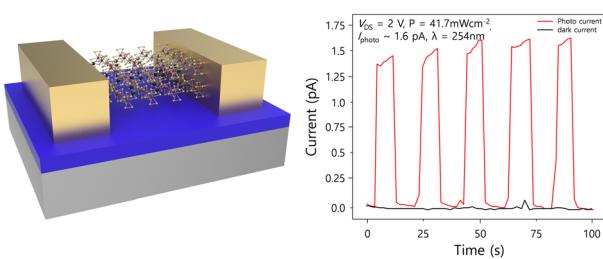
Dissolution of caffeine crystals in a supercritical CO_2 -ethanol mixture: exploring an eco-friendly green solvent

Aarti Kumari and Moumita Saharay*



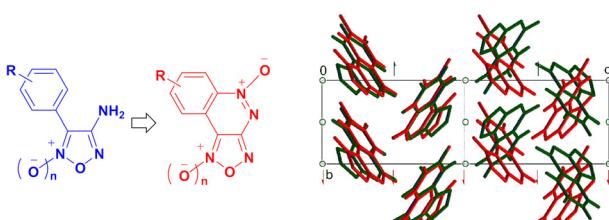
Robustness and stability of the L-carnosine copper(II) dimer: changes in the copper coordination sphere upon heating/solvent substitution

Draginja Mrvoš-Sermek, Marina Tašner, Darko Vušak, Nenad Judaš, Kinga Wzgarda-Raj,* Ivica Đilović* and Dubravka Matković-Čalogović



Chemical vapor transport synthesis of one-dimensional V_2PS_{10} and its application in miniaturized UV sensors

Jinsu Kang, Sooheon Cho, Xiaojie Zhang, Bom Lee, Byung Joo Jeong, Kyung Hwan Choi, Jiho Jeon, Sang Hoon Lee, Jae-Hyuk Park, Sang Hyuk Kim,* Hak Ki Yu* and Jae-Young Choi*



R-Substituent vs. exocyclic oxygen: influence on synthesis and crystal packing of R-[1,2,5]oxadiazolo[3,4-c]cinnoline mono- and dioxides

Victor P. Zelenov,* Ivan V. Fedyanin, Aida I. Samigullina, Alexandr A. Larin and Aleksei B. Sheremetev

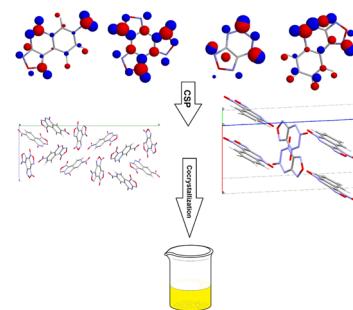


PAPERS

386

Cocrystals of [1,2,5]oxadiazolo[3,4-c]cinnoline 5-oxides and 1,5-dioxides: step-by-step development of crystal engineering of energetic materials

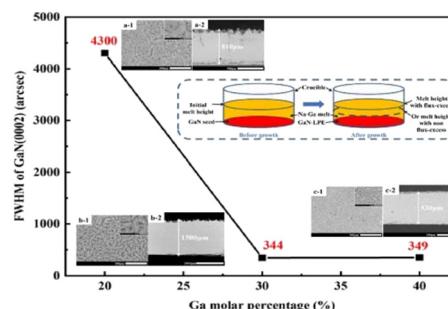
N. M. Baraboshkin,* V. P. Zelenov, I. V. Fedyanin, A. I. Samigullina and M. S. Klenov



400

Influence of Na:Ga ratios under the flux-excess aid on GaN crystal growth using the Na-flux LPE method

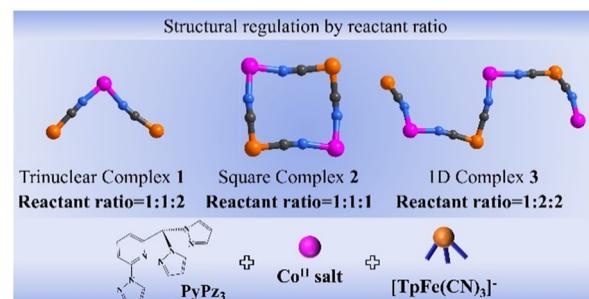
Chen Yang, Gemeng Huang, Ronglin Pan, Ziyou Wang, Ming Ma, Song Xia, Mingbin Zhou, Shiji Fan and Zhenrong Li*



407

Structural regulation of three Fe–Co cyanometallate complexes: reactant ratio issue

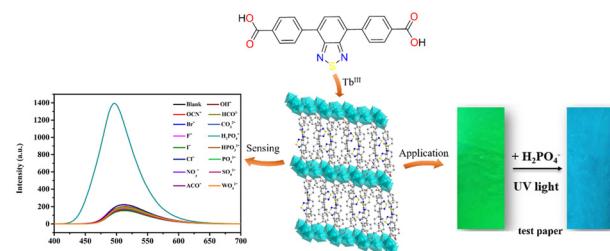
Qiuyu Li, Qiuyue Cao, Jing Xi, Ziyi Zhang, Binling Yao,* Dong Shao, Yi-Fei Deng and Yuan-Zhu Zhang*



415

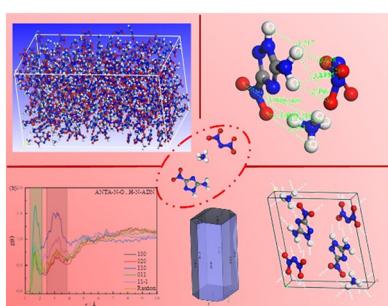
Chain-based fluorescent Tb^{III} metal–organic framework with good stability as a blue-shift and turn-on sensor toward H₂PO₄[−]

Shi-Xian Xu, Na Lu, Li Wang and Sui-Jun Liu*



PAPERS

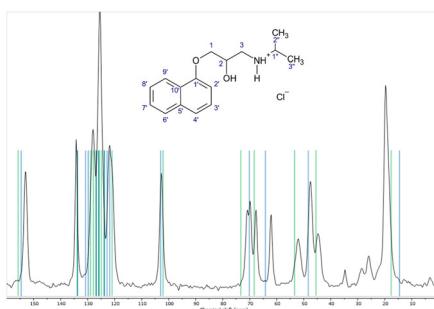
421



Properties of the ADN/ANTA cocrystal based on theoretical simulation

Zhihong Yu, Liang Zhou, Wenlian Peng, Zhihua Zhuang, Hanqing Xu, Jinyan He, Hao Chen, Pengcheng Zhang* and Xinggao Zhang*

433



Combining X-ray and NMR crystallography to explore the structural disorder in racemic propranolol hydrochloride

Łukasz Szeleszczuk,* Kostas Bethanis,* Elias Christoforides and Dariusz Maciej Pisklak

