

IN THIS ISSUE

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Cover

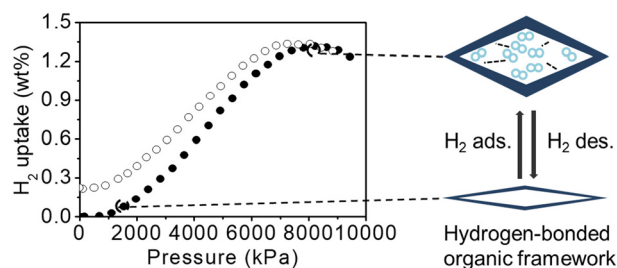
See Juan Olguín *et al.*, pp. 2346–2352.
Image reproduced by permission of Juan Olguín from *CrystEngComm*, 2024, 26, 2346. The cover shows the Tembleque Aqueduct World Heritage Site, 16th century, in Hidalgo State, Mexico.

COMMUNICATION

2342

A highly stable hydrogen-bonded organic framework for hydrogen storage

Jeong Hwa Song, Byeong Hak Jeon and Dong Won Kang*

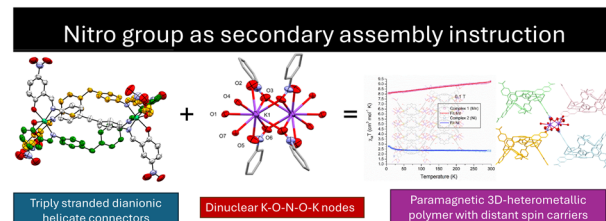


PAPERS

2346

Nitro group and K⁺-based secondary building units for the self-assembly of 3D coordination polymers built on dinuclear dianionic helicate connectors

Raúl Mendoza-Báez, Alan Molina-Renteria and Juan Olguín*



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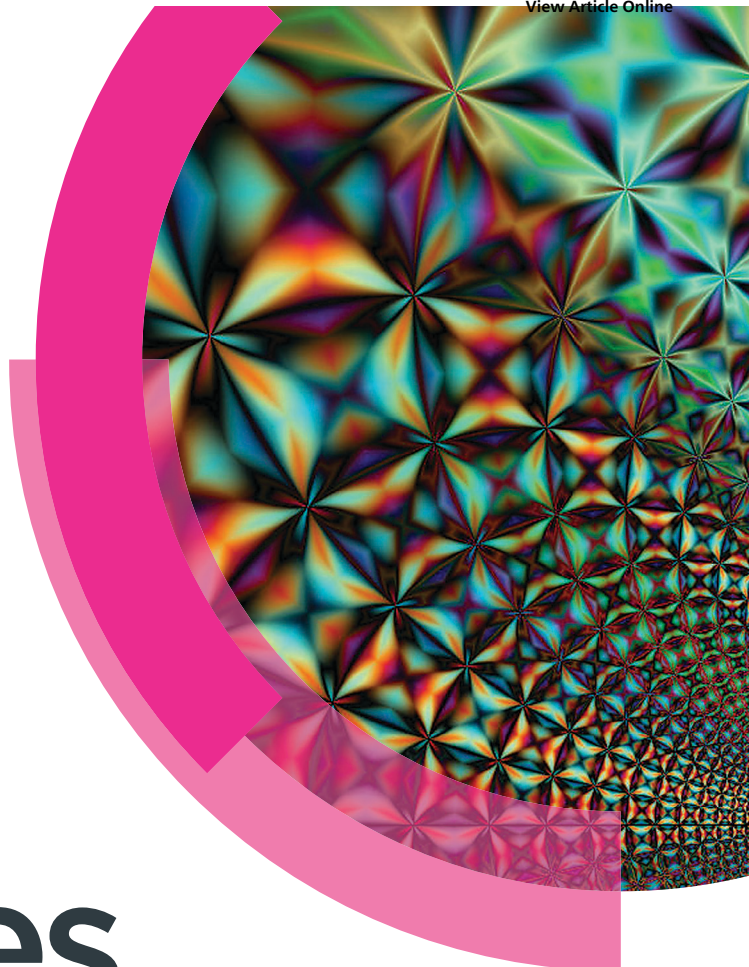


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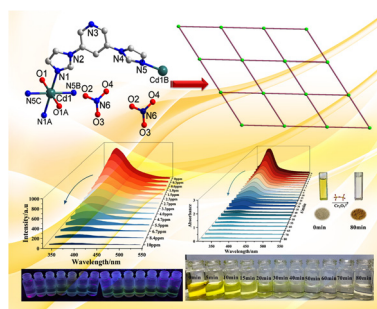
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2353

A new Cd(II)-based coordination polymer as a luminescent sensor and adsorbent for dichromate ions

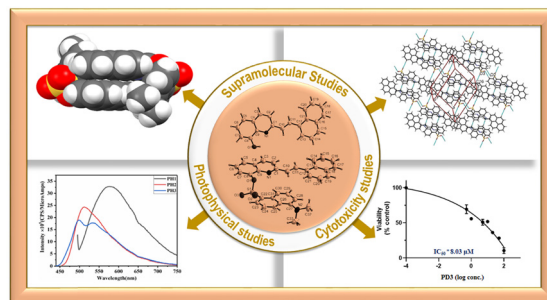
Ying-Gui Xia, Xue Lan, Jun Wang,* Xiao-Hong Liu, Mohd. Muddassir, Devyani Srivastava, Aparna Kushwaha and Abhinav Kumar*



2361

New 8-hydroxy quinoline-polycyclic aromatic hydrocarbon (PAH) conjugates and their sulfonated derivatives: effects of sulfonation and PAH size on their structural, supramolecular and cytotoxic properties

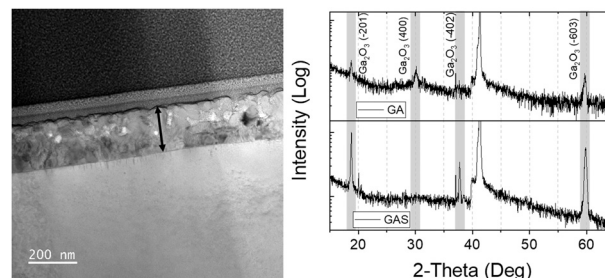
Suman Sehlangia, Surbhi Dogra, Prosenjit Mondal and Chulikkattil P. Pradeep*



2373

Chemical solution deposition of a (GaAl)₂O₃ single layer with high thickness and silver-enhanced crystal quality

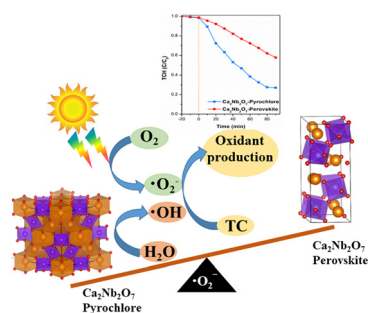
Xiao Tang, Wesam A. AlQanbar, Mohamed Ben Hassine, Yi Lu, Haicheng Cao, Chuanju Wang, Zixian Jiang, Tingang Liu, Na Xiao, Mingtao Nong, Vishal Khandelwal and Xiaohang Li*



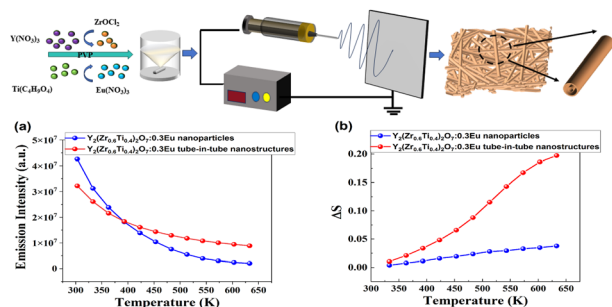
2380

Degradation of tetracycline by visible light using Ca₂Nb₂O₇ composite oxides with perovskite and pyrochlore sub-crystalline phases

Junwei Xu,* Chengxin Lu, Xianfeng Zhang, Rumeng Ouyang, Xiuzhong Fang, Xianglan Xu and Xiang Wang*



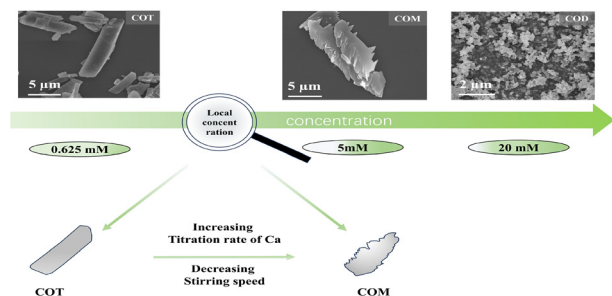
2387



A novel one-dimensional $\text{Y}_2(\text{Zr}_{0.6}\text{Ti}_{0.4})_2\text{O}_7:\text{Eu}$ tube-in-tube nanostructure fabricated by a single-nozzle electrospinning technique and its low color drift property at high temperature

Shanshan Cong, Zhuang Tian, Hongquan Yu,* Sai Xu, Lihong Cheng,* Baojiu Chen* and Tianshuo Liu

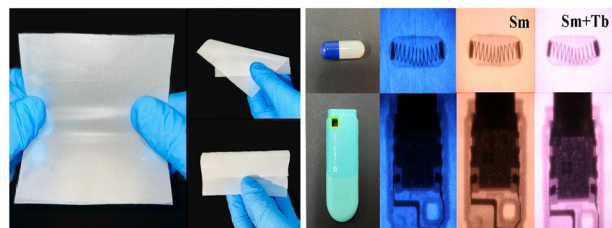
2394



Local concentration controls the hydrate phase of calcium oxalate

Zhaodong Wang, Lala Du, Qihang Wang, Jingjing Xie, Zhengyi Fu and Zhaoyong Zou*

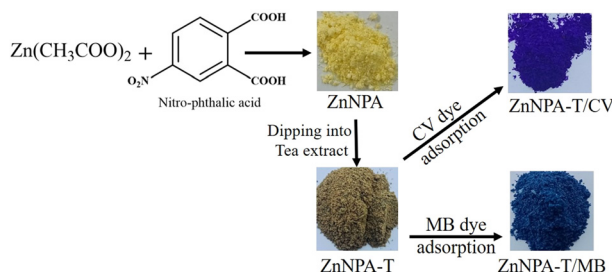
2404



Red-emitting $\text{Cs}_2\text{NaScCl}_6:\text{Sm}$ flexible films for high-resolution X-ray imaging

Yuxia Li, Qi Luo, Xin Huang, Hao Lu, Yazhou Yuan, Xieming Xu, Shuaihua Wang* and Shaofan Wu*

2413



Highly enhanced cationic dye adsorption from water by nitro-functionalized Zn-MOF nano/microparticles and a biomolecular binder for improving the reusability

Gunasekaran Arunkumar, Mehboobali Pannipara, Abdullah G. Al-Sehemi and Savarimuthu Philip Anthony*

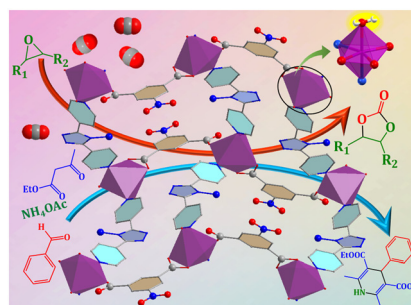


PAPERS

2421

Coordinatively unsaturated 5-nitroisophthalate based cobalt(II) coordination polymers: efficient catalytic CO₂ fixation and Hantzsch condensation

Subham Sahoo, Rajesh Patra and Debajit Sarma*



2433

Highly efficient and durable P, Ru-CeO₂ self-supporting electrodes toward industrial-level hydrogen production

Wenguang Ma, Xiaodong Yang, Yanru Xu, Cuncheng Li, Yiqiang Sun,* Qi Shen* and Zhixin Sun*

P, Ru-CeO₂ Self-supporting Electrodes

