

# CrystEngComm

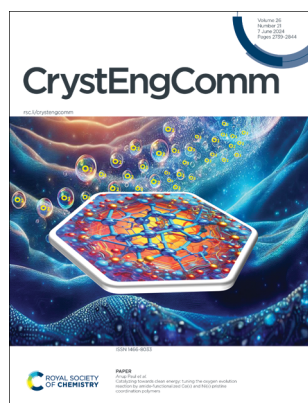
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## IN THIS ISSUE

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### Cover

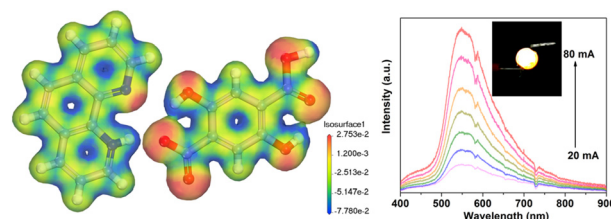
See Anup Paul *et al.*, pp. 2755-2764.  
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## COMMUNICATIONS

2746

### Facile synthesis of a 2,5-dihydroxyterephthalic acid-based charge transfer cocrystal for photoelectric applications

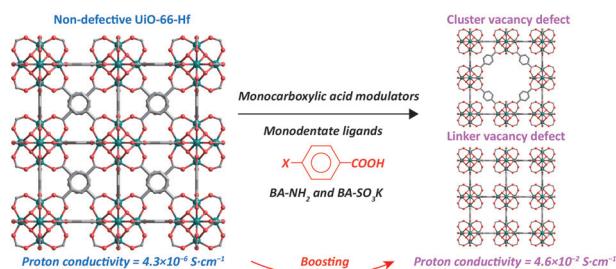
Pei-Pei Yin, Yu-E Chen, Jia-Wei Diao, Yi-Yang Cheng, Xiao-Gang Yang,\* Bao-Zhong Liu\* and Lu-Fang Ma



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### Functional modulators and missing-linker defects realize high proton conductivity in UiO-66-Hf metal-organic frameworks

Fang Fang, Peng Wang, Zhen Zhang, Suo-Shu Zhang, Yuan-Yuan Guo, Shu-Yu Wang, Lin Du\* and Qi-Hua Zhao\*



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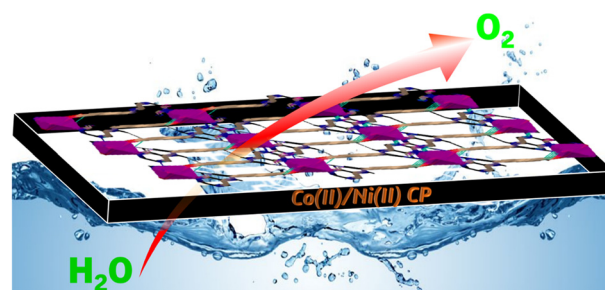
Registered charity number: 207890



2755

### Catalyzing towards clean energy: tuning the oxygen evolution reaction by amide-functionalized Co(II) and Ni(II) pristine coordination polymers

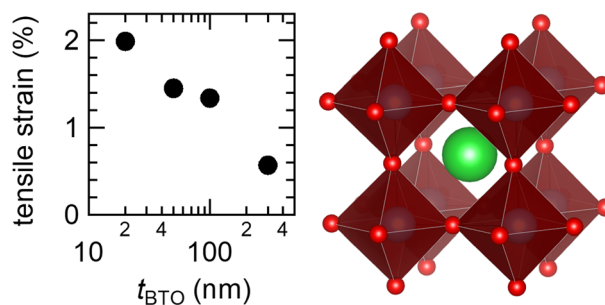
Anup Paul,\* Filipe Gusmão, Abdallah G. Mahmoud, Susanta Hazra, Lazar Rakočević, Biljana Šljukić,\* Rais Ahmad Khan, M. Fátima C. Guedes da Silva and Armando J. L. Pombeiro\*



2765

### Large tensile-strained BaTiO<sub>3</sub> films grown on a lattice-mismatched La-doped BaSnO<sub>3</sub> bottom electrode

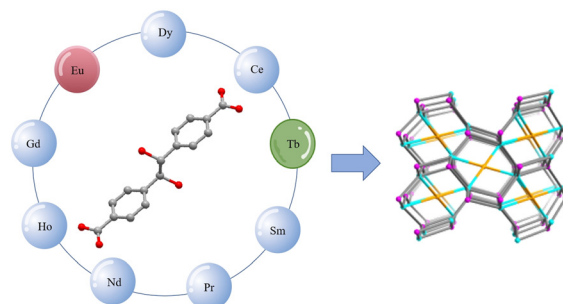
Lizhikun Gong, Ko Marunouchi, Akira Chikamatsu, Hiromichi Ohta and Tsukasa Katayama\*



2770

### Syntheses, crystal structures and properties of a series of isostructural lanthanide organic frameworks

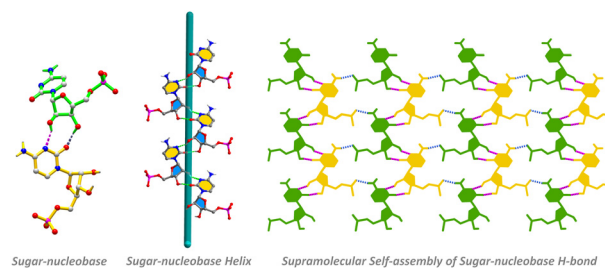
Ming-Xue Guan, Hui-Zi Li, Shangda Li, Han-Jiang Yang, Fei Wang\* and Jian Zhang\*



2775

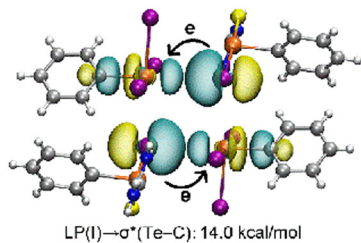
### Sugar–nucleobase hydrogen bonding in cytidine 5′-monophosphate nucleotide–cadmium coordination complexes

Yaqoot Khan, Ismail Ismail, Hongwei Ma, Zhongkui Li and Hui Li\*



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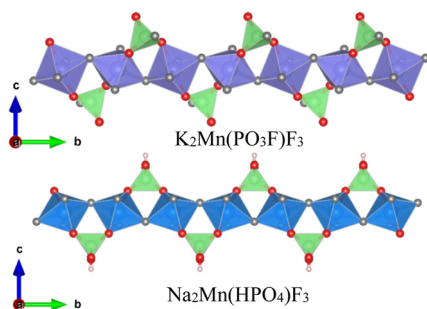
## On the Nature of Te...I Interactions



## Te...I secondary-bonding interactions in crystals containing tellurium(II), tellurium(IV) and iodide atoms: supramolecular aggregation patterns, nature of the non-covalent interactions and energy considerations

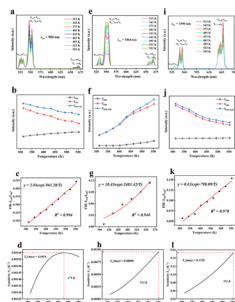
Rosa M. Gomila, Antonio Frontera\* and Edward R. T. Tiekink\*

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Synthesis and magnetic properties of two fluorophosphates  $K_2Mn(PO_3F)F_3$  and  $Na_2Mn(HPO_4)F_3$  with a  $S = 2$  uniform spin chain structure

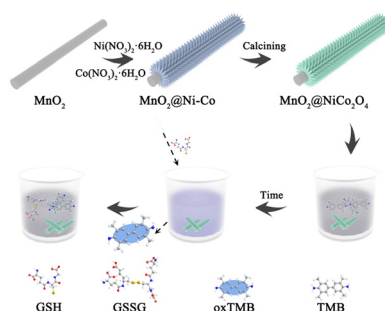
Qi Luo, Ningxia Li, Zhiying Zhao, Meiyang Cui and Zhangzhen He\*

2803

Three-wavelength exciting up-conversion luminescence and various optical temperature sensing of a novel  $Er^{3+}$ ,  $Yb^{3+}$ ,  $Ho^{3+}$  doped (Gd,Y,Lu) $_2O_2S$  phosphor

Di Shao, Liping Lu,\* Haiying Sun and Zhaohui Bai

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Controllable synthesis of  $NiCo_2O_4$  nanoparticles supported on  $MnO_2$  nanowires with excellent oxidase-mimicking performance

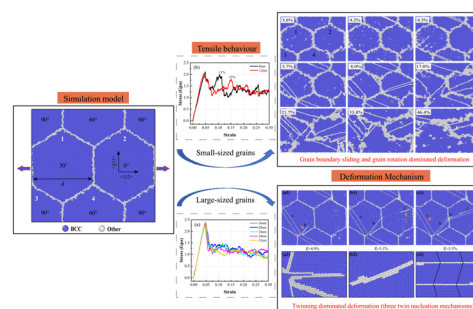
Yu Chen, Yanchun Xie, Yizhi Gao, Ran Ding, Xingsheng Ding, Suping Han\* and Min Zhang\*



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### Atomistic simulation of deformation twinning in nanocrystalline body-centered cubic U–Mo alloys

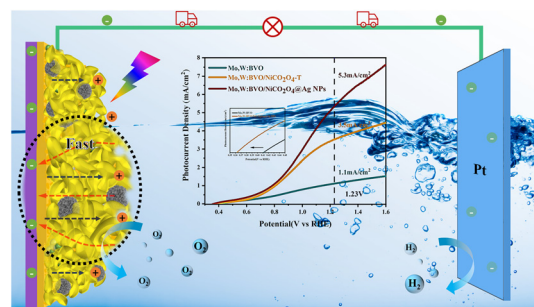
Xuelian Ou, Yue Yang, Yanxin Shen, Peng Wang, Zhenjiang You and Xiaofeng Tian\*



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### Interlayer Ag nanoparticle-anchored Mo,W:BVO/ $\text{NiCo}_2\text{O}_4$ heterojunctions for the synergistic enhancement of photoelectrochemical water splitting activity

Wei Zhai, Lin Wang, Shuai Chu, Lei Ding, Jie Li, Haichao Chen\* and Zhengbo Jiao\*



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### Percolation threshold in annealed ultrathin $\text{SiO}_x$ films by 2D Monte Carlo simulations

Andrey Sarikov,\* Mykola Semenenko and Serhii Shahan

