

# CrystEngComm

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### Cover

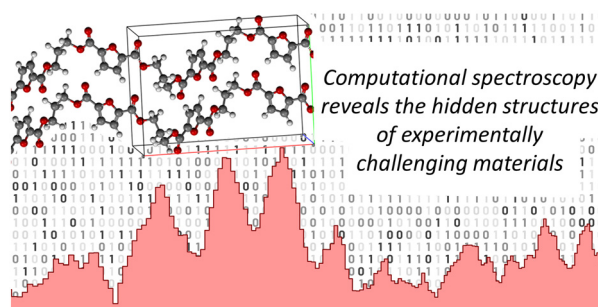
See Marcos A. P. Martins *et al.*, pp. 4264–4273.  
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## HIGHLIGHTS

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### Computational spectroscopy for crystalline materials: from structure to properties

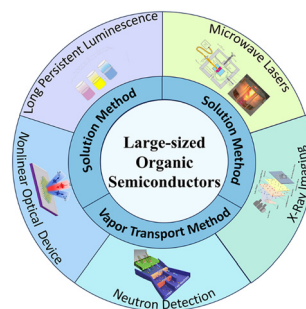
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### Large-sized organic semiconductors: crystallization, characterization and applications

Jiawei Lin, Kezhao Du\* and Hui Jiang\*



# RSC Advances

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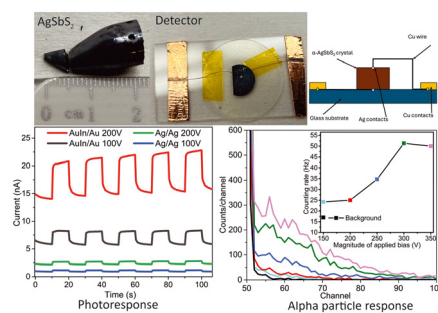
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### Crystal growth of $\alpha$ -AgSbS<sub>2</sub> and its preliminary characterization for radiation detector applications

Venika Ekanayake, Matthew F. Webster, Manipaul Dhillon, David A. Kunar, Serge Nagorny, Mert Turfanda, Michael P. Lewis and Peng Li Wang\*

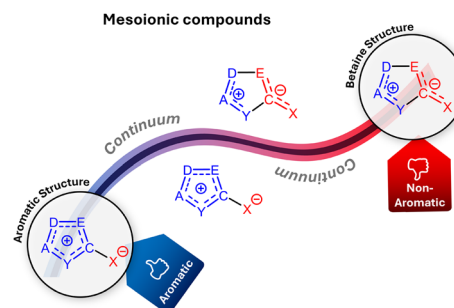


## PAPERS

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### Evaluation of mesoionic compound aromaticity using the HOMHED index

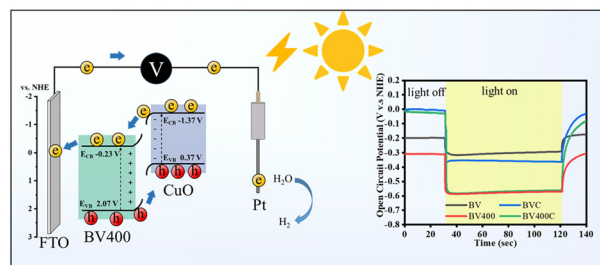
Marcos Antonio Pinto Martins,\* Tainara Orlando, Jéssica Maria Luis Rosa, Priscila Santos Vieira de Lima and Paulo Roberto dos Santos Salbego



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### Enhancing photoelectrochemical performance by effectively managing the density of oxygen vacancies in CuO/BiVO<sub>4</sub> composites

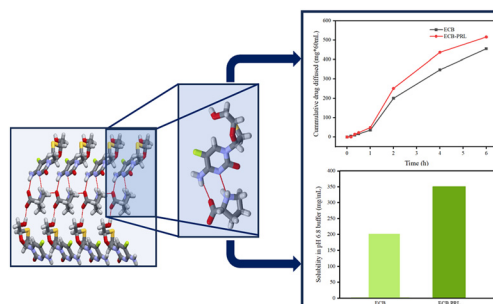
Yuan-Chang Liang\* and Jin-Rong Chen



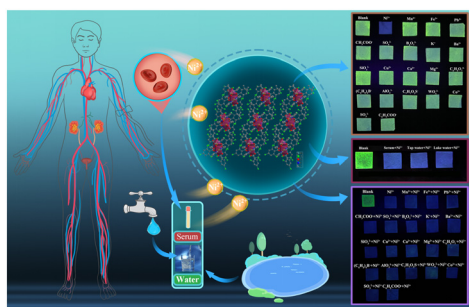
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### A multicomponent crystal approach with increased permeability of cocrystal of emtricitabine with zwitterionic L-proline

Daliya K. Shajan, Palanisamy Kandhan, Alexey N. Kuznetsov, Vladimir V. Chernyshev\* and Palash Sanphui\*



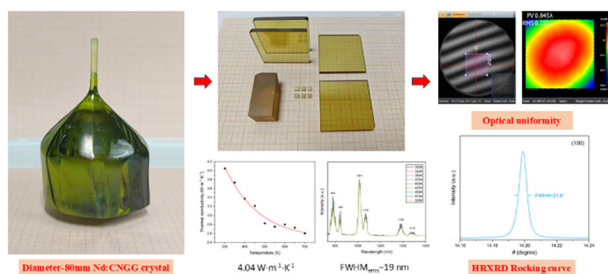
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Ziyan Cai, Ping Li, Xiaobo Yu, Lin Lai, Cilin Yu, Yuan Hu, Xiaolei Gao\* and Chenghui Zeng\*

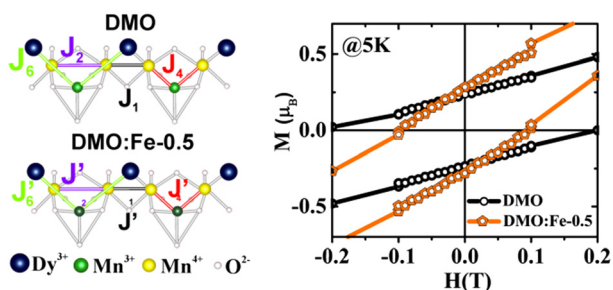
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### Growth and property characterization of large-sized Nd:CNGG crystals for high-energy chirped pulse amplification systems

Shuqi Liu, Jingjing Xu, Dazhi Lu,\* Hongxu Gu, Fei Liang, Zhongben Pan, Yongguang Zhao, Shuxian Wang, Jinfeng Han, Kui Wu,\* Haohai Yu\* and Huaijin Zhang

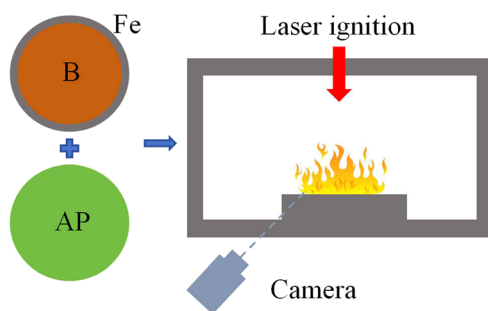
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### Revealing the influence of Fe substitution on the structural and magnetic features of orthomanganite DyMn<sub>2</sub>O<sub>5</sub>

Vishwajit M. Gaikwad\*

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### Investigation of the influence of B@Fe composite fuel on the thermal decomposition and ignition combustion performance of ammonium perchlorate (AP)

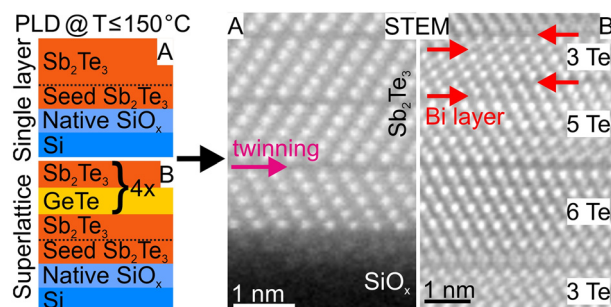
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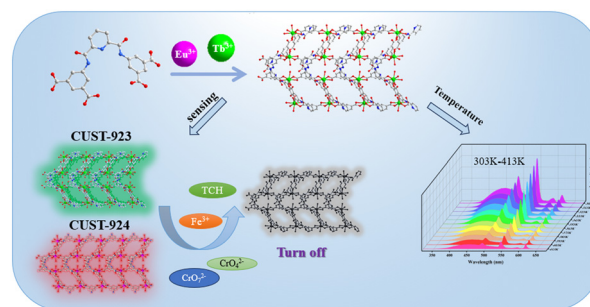
Sonja Cremer,\* Nils Braun, Lennart Voß, Jens Bauer, Vladimir Roddatis, Lorenz Kienle and Andriy Lotnyk\*



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### Lanthanide metal-organic frameworks as multifunctional sensors for chemicals and temperature

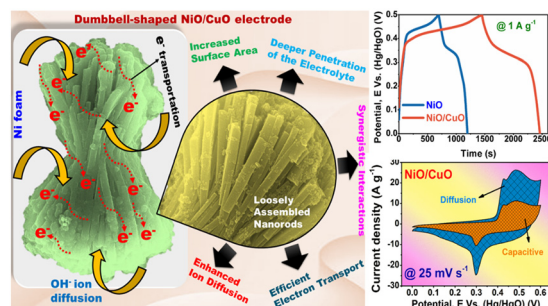
Yang Lin, Wenxi Zhang, Yanjie Lv, Yihe Zhao, Hongtao Cui, Jing Sun,\* Xiao Li,\* Dongling Zhou\* and Zhongmin Su



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### Dumbbell-shaped nanorod assembly of a NiO/CuO composite for high-performance redox-active battery-type supercapacitor electrodes

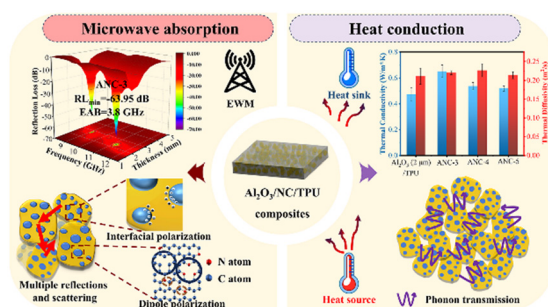
Mulla Jakeer Hussain, Mohamed A. Ghanem, Y. Veera Manohara Reddy, G. Madhavi,\* Sang Woo Joo\* and Gutturu Rajasekhara Reddy\*



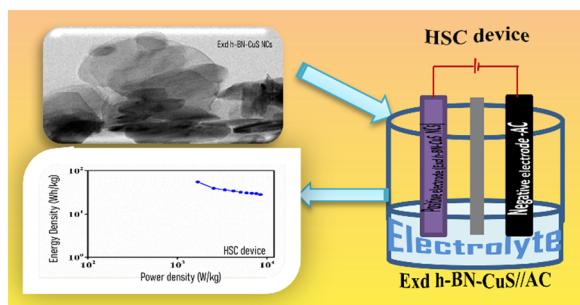
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### Nitrogen-doped carbon encapsulated $\text{Al}_2\text{O}_3$ composites for microwave absorption and heat conduction

Yaxin Peng, Yidan He, Jiayi Chen and Xiaojuan Zhang\*



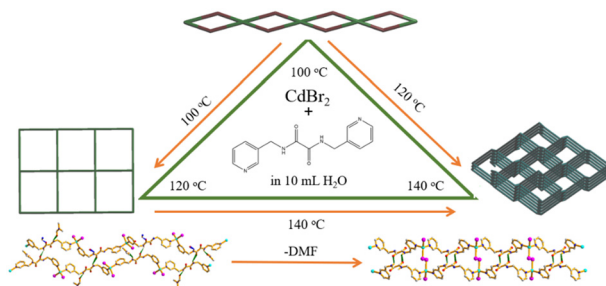
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### Development of cohesive exfoliated h-BN-CuS nanosheets through an ultrasonic approach for hybrid supercapacitors

Dhamodharan Krishnamoorthy, Richa Chaudhary, Varun Chaudhary and Abhishek Kumar Singh\*

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### Zn(II), Cd(II) and Hg(II) halide coordination polymers supported by bis-pyridyl-bis-amide: structural diversity and structural transformation

Arigna Rasphone, Hong-Chuan Zhang, Yun-Syuan Lee, Yu-Hui Ye, Ying-Tong Kuo, Yi-Fang Lai, Zhi-Ling Chen, Song-Wei Wang and Jhy-Der Chen\*

