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ISSN 1466–8033 CODEN CRECF4 27(25) 4223–4416 (2025)

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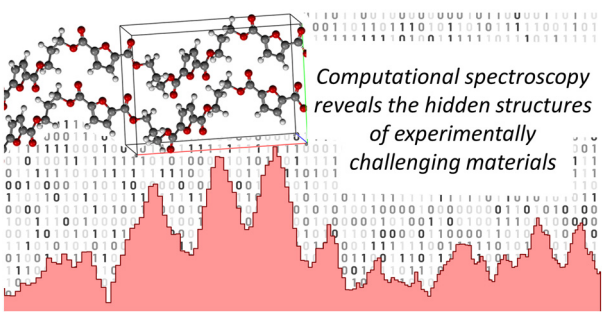
HIGHLIGHTS

4231

Computational spectroscopy for crystalline materials: from structure to properties

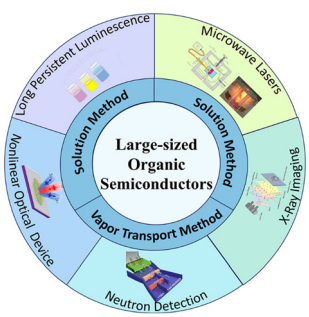
Mariela M. Nolasco,* Pedro D. Vaz, Rafael A. F. Serrano, João T. Martins, Catarina F. Araújo and Paulo Ribeiro-Claro



4243

Large-sized organic semiconductors: crystallization, characterization and applications

Jiawei Lin, Kezhao Du* and Hui Jiang*



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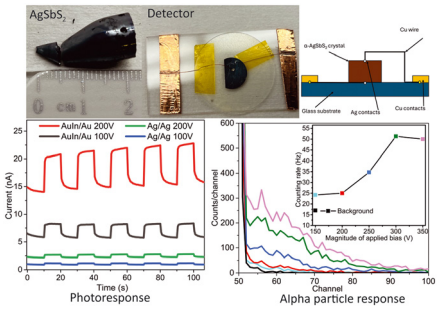
COMMUNICATION

4258

Crystal growth of α-$AgSbS_2$ 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*



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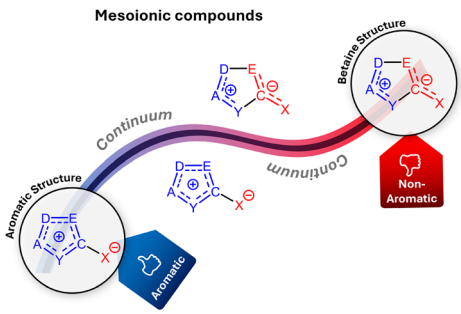
Evaluation of mesoionic compound aromaticity using the HOMHED index

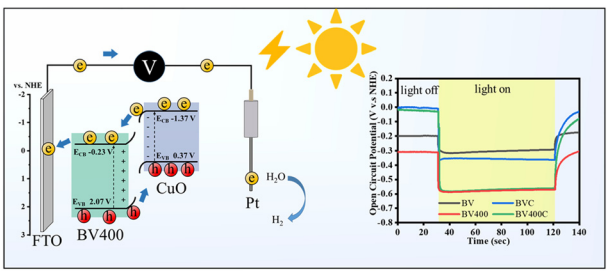
Marcos Antonio Pinto Martins,* Tainára Orlando, Jéssica Maria Luis Rosa, Priscila Santos Vieira de Lima and Paulo Roberto dos Santos Salbego



4274

Enhancing photoelectrochemical performance by effectively managing the density of oxygen vacancies in CuO/$BiVO_4$ composites

Yuan-Chang Liang* and Jin-Rong Chen



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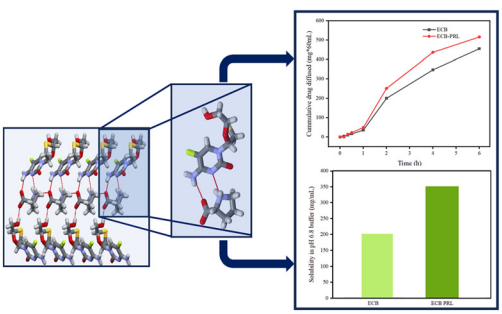
A multicomponent crystal approach with increased permeability of cocrystal of emtricitabine with zwitterionic L-proline

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



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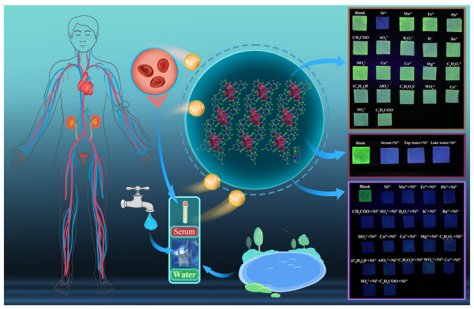

Visual sensing Ni^{2+} in real samples with test paper based on a new dinuclear terbium complex

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

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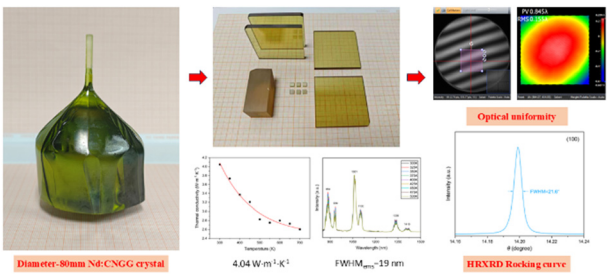

Growth and property characterization of large-sized Nd:CNGG crystals for high-energy chirped pulse amplification systems

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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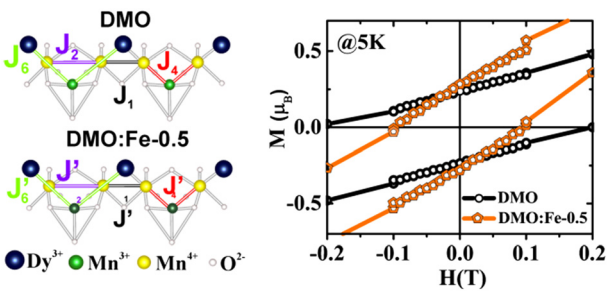

Revealing the influence of Fe substitution on the structural and magnetic features of orthomanganite $DyMn_2O_5$

Vishwajit M. Gaikwad*

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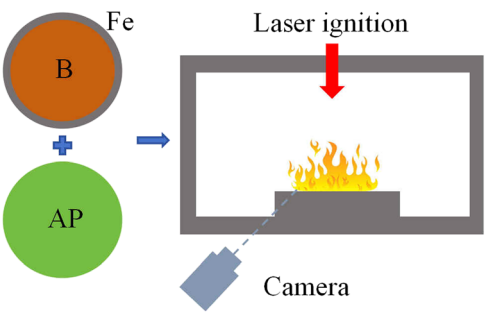

Investigation of the influence of B@Fe composite fuel on the thermal decomposition and ignition combustion performance of ammonium perchlorate (AP)

Hongyang Li,* Ran Wang, Chao Wang, Hong Li, Shentao Zeng, Sujun Shi, Ran Hu, Wenqi Xu, Ruiling Xie, Cui Luo and Ying Liu

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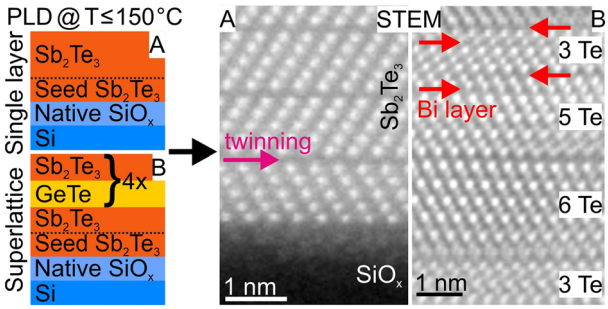
Pulsed laser deposition of highly oriented Sb_2Te_3 and GeTe–Sb_2Te_3 thin films on amorphous SiO_x layers at low temperatures

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



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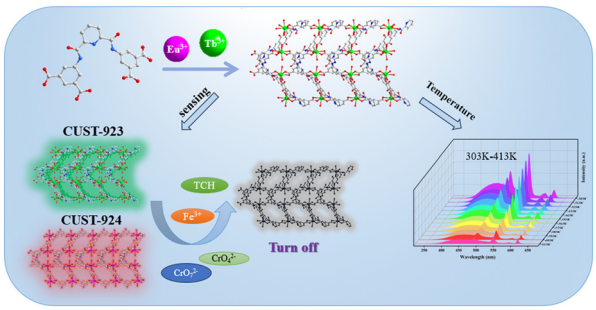
Lanthanide metal–organic frameworks as multifunctional sensors for chemicals and temperature

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



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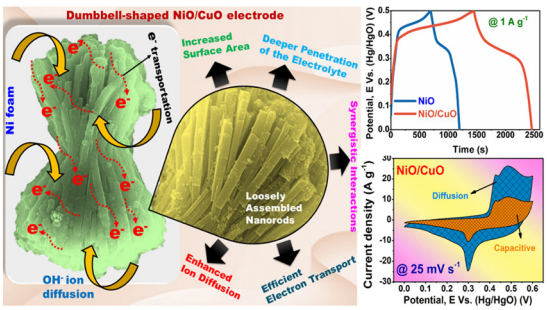
Dumbbell-shaped nanorod assembly of a NiO/CuO composite for high-performance redox-active battery-type supercapacitor electrodes

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



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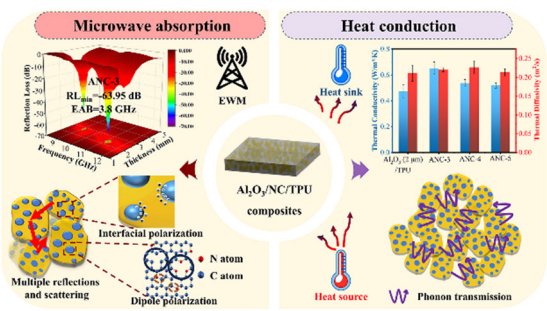
Nitrogen-doped carbon encapsulated Al_2O_3 composites for microwave absorption and heat conduction

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



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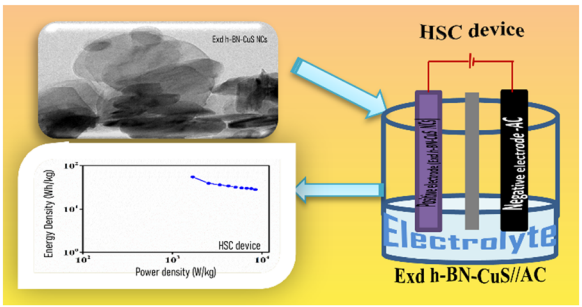

Development of cohesive exfoliated h-BN-CuS nanosheets through an ultrasonic approach for hybrid supercapacitors

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

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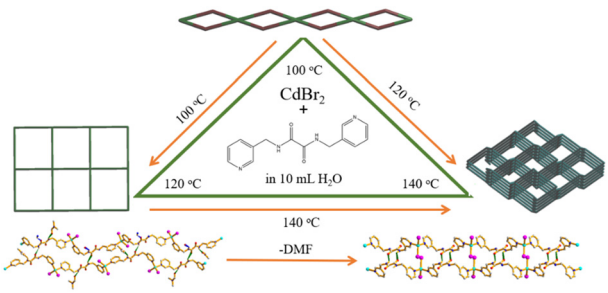

Zn(II), Cd(II) and Hg(II) halide coordination polymers supported by bis-pyridyl-bis-amide: structural diversity and structural transformation

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*

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