

Materials Advances

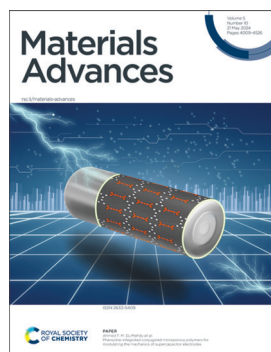
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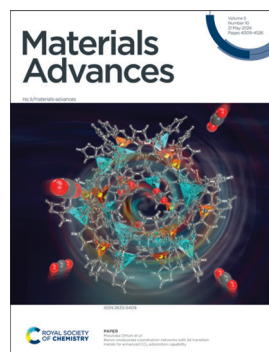
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See Ahmed F. M. EL-Mahdy *et al.*, pp. 4142–4150.
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Subrata Kundu

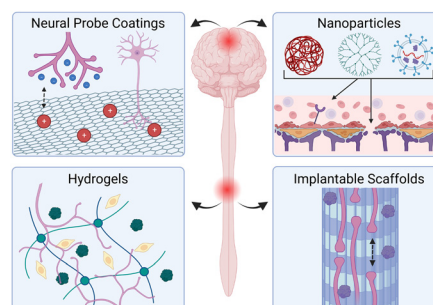


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Alycia N. Galindo, David A. Frey Rubio and Marian H. Hettiaratchi*



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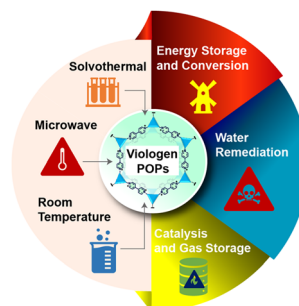
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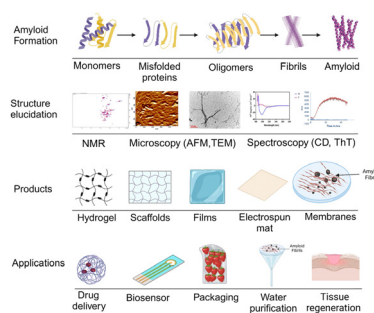
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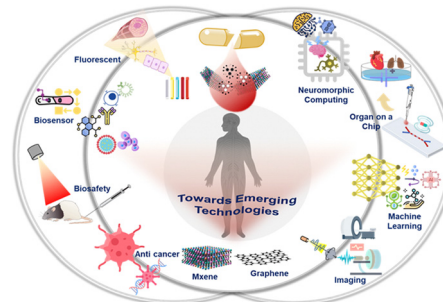
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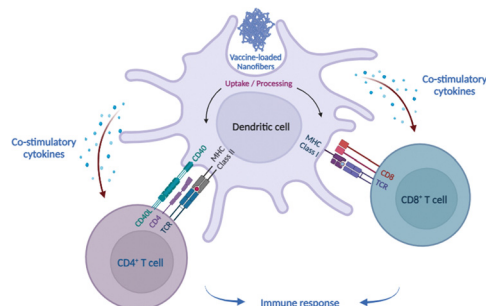
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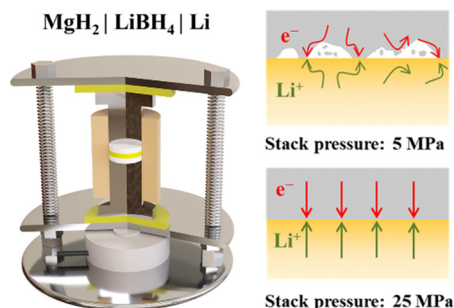
From antigen uptake to immune modulation: the multifaceted potential of peptide nanofibers as vaccine nanocarriers

Hatem A. F. M. Hassan,* Mohamed Haider and Sherif Ashraf Fahmy



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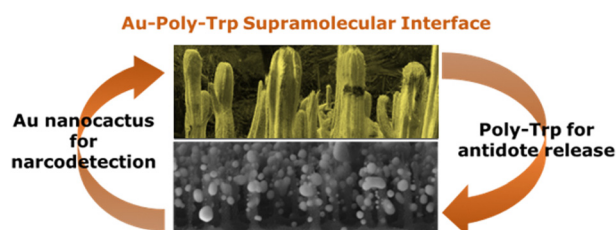
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Xueye Zhuang, Haoliang Chen, Shiman He,* Long Hu, Hui Wang* and Renzong Hu*

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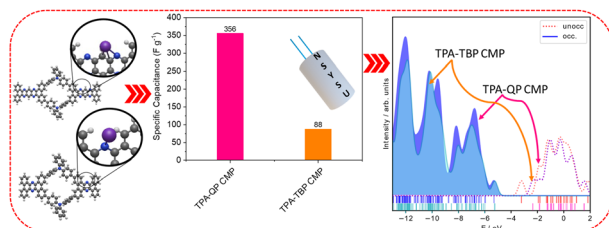


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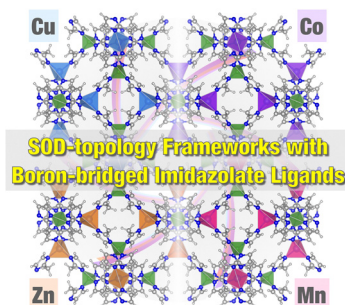
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Phenazine-integrated conjugated microporous polymers for modulating the mechanics of supercapacitor electrodes

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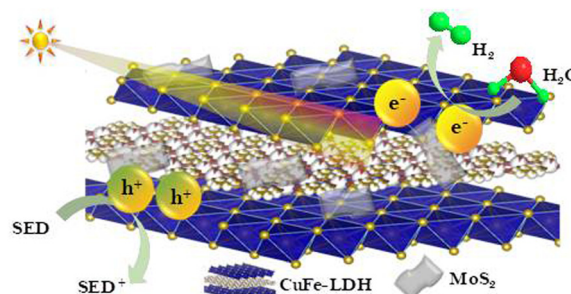
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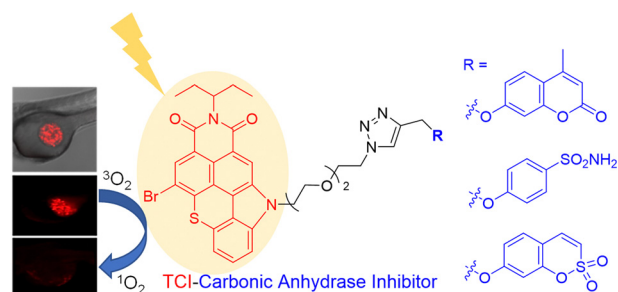
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Thiochromenocarbazole imide-based photosensitizers decorated with carbonic anhydrase inhibitors for the targeted treatment of hypoxic tumours

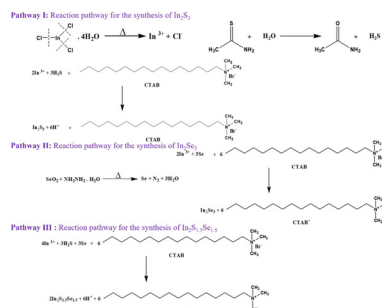
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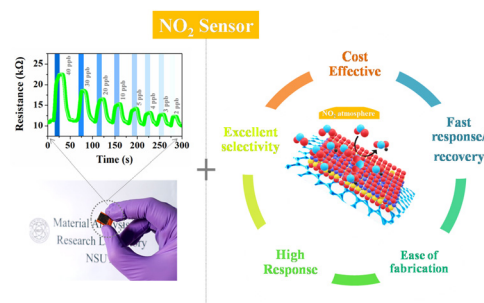
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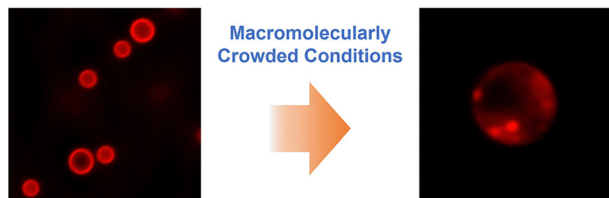
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Neeraj Dhariwal, Preeti Yadav, Amit Sanger, Sung Bum Kang, M. S. Goyat, Yogendra Kumar Mishra and Vinod Kumar*



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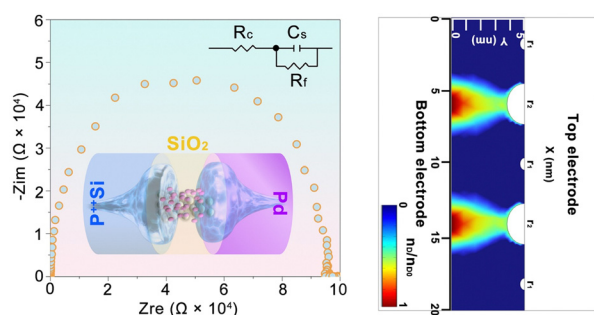
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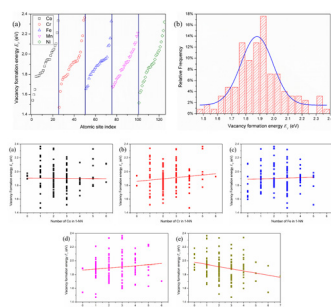
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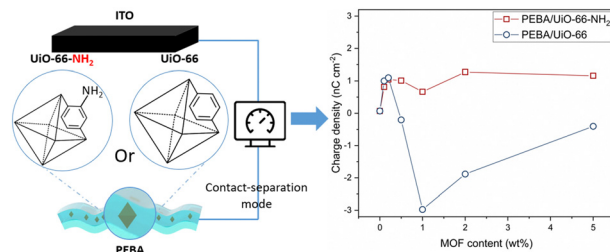
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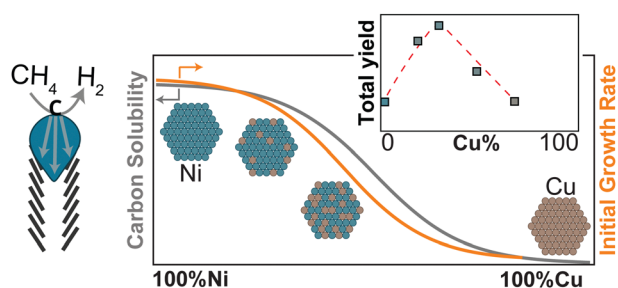
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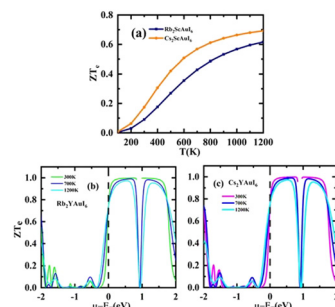
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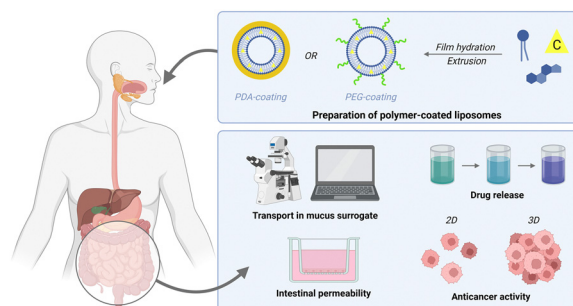
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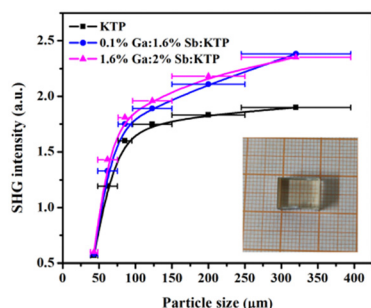
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Anna Maria Maurelli, Bárbara Ferreira, Sofia Dias, Helena Almeida, Vincenzo De Leo,* Bruno Sarmiento, Lucia Catucci* and José das Neves*



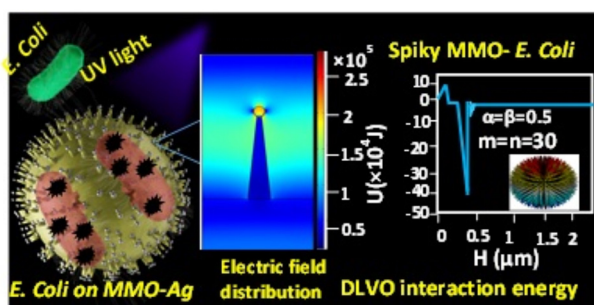
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The effect of co-substitution of heterovalent ions Ga³⁺ and Sb⁵⁺ on nonlinear optical properties of phosphate crystals

Yutong Zhang, Biao Wang, Xinhui Jia, Xi Chong, Jing Li,* Bingbing Zhang* and Jiyang Wang

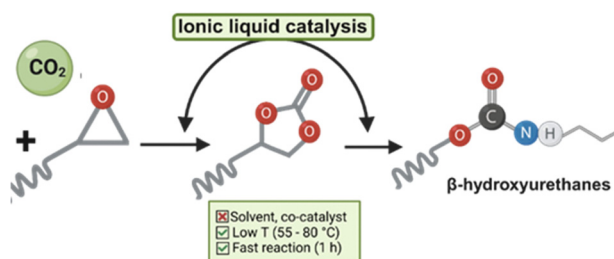
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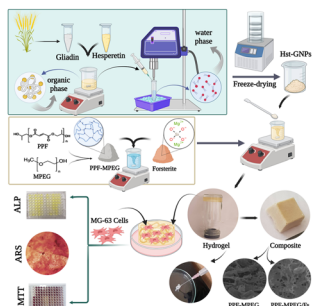
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A forsterite-reinforced polypropylene fumarate/methoxy polyethylene glycol-hydrogel enriched with flavonoid nanoparticles enhances osteoconductivity

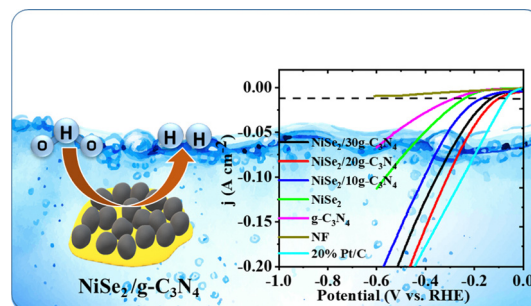
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In situ growth of NiSe₂ nanoparticles on g-C₃N₄ nanosheets for an efficient hydrogen evolution reaction

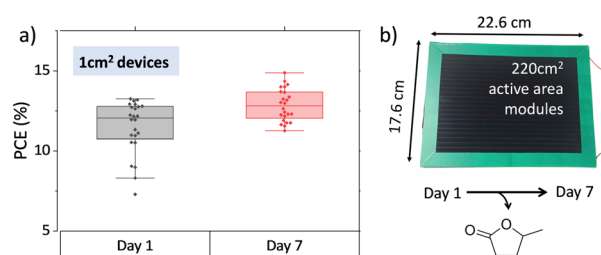
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Age-induced excellence with green solvents: the impact of residual solvent and post-treatments in screen-printed carbon perovskite solar cells and modules

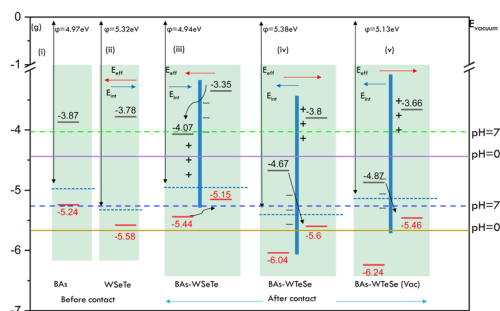
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Enhanced photocatalytic water splitting with two-dimensional van der Waals heterostructures of BAs/WTeSe

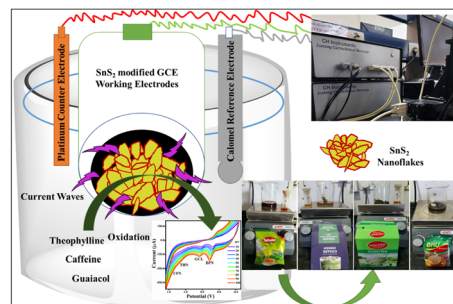
BiBi Hanifan, Abdul Jalil, Syed Zafar Ilyas, Azeem Ghulam Nabi* and Devis Di Tommaso*



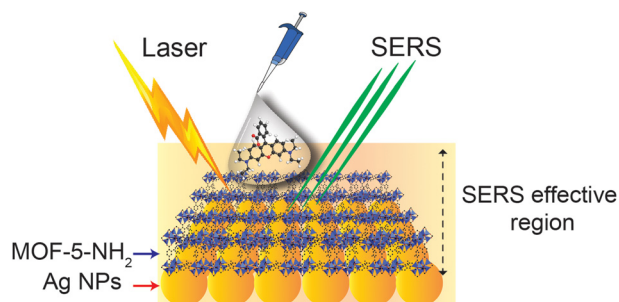
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Highly sensitive and selective electrochemical detection of caffeine, theophylline and guaiacol in green tea, green coffee, coffee, and tea extracts using a SnS₂ nanoflake-modified electrode

Amisha Kushwaha, Gajendar Singh, Umesh Kumar Gaur and Manu Sharma*



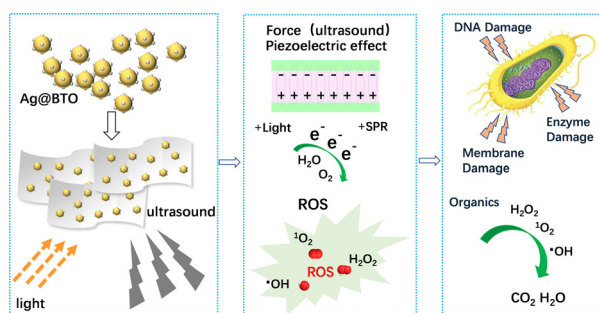
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Integrating the amino-functionalized MOF-5 film with the silver nanoparticle substrate for a high SERS enhancement effect and long-term stability

Nguyen La Ngoc Tran, Le Hong Tho, Ngoc Quang Tran, Hanh Kieu Thi Ta, Bach Thang Phan, Nguyet N. T. Pham, Tan Le Hoang Doan* and Nhu Hoa Thi Tran*

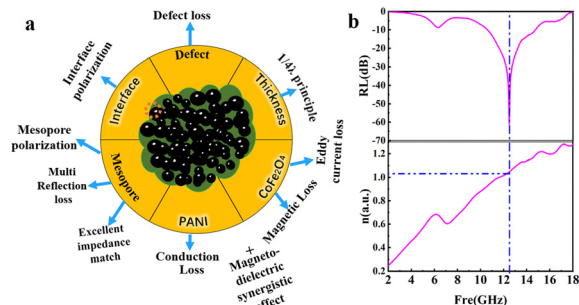
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A heterostructure nanofiber film with an enhanced internal electrical field and surface plasmon resonance for efficient microbial removal

Wanting Li, Jing Yang, Xin Gao, Yiqian Fu, Huiyu He, Pu Wang, Yudong Hou, Mankang Zhu and Xiu-Hong Wang*

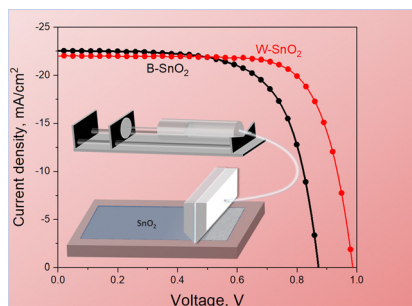
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A coral-like nano-PCF composite as a broad-bandwidth microwave absorber

Aiqiong Wang, Jianxiong Li and Xiaoming Zhao*

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Slot-die coating of electron transport layers for perovskite solar cells using water and butanol-based tin oxide dispersions

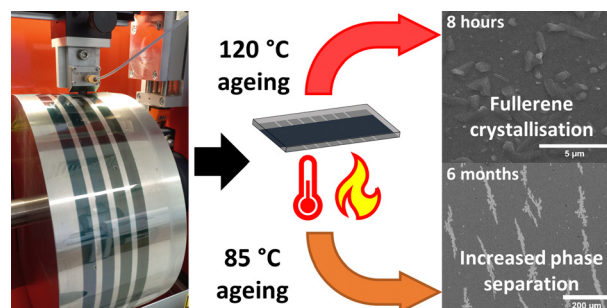
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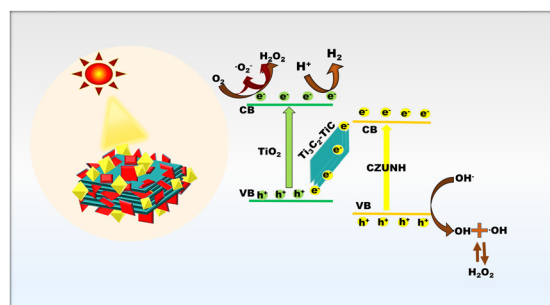
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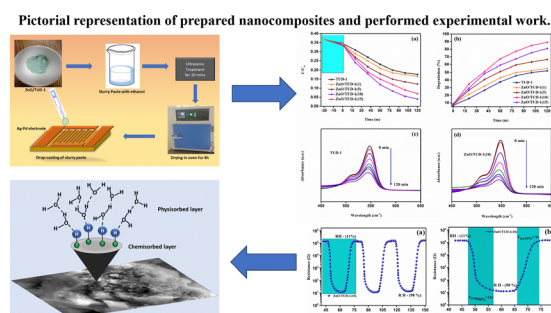
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A three-dimensional ZnO/TUD-1 nanocomposite-based multifunctional sensor for humidity detection and wastewater remediation

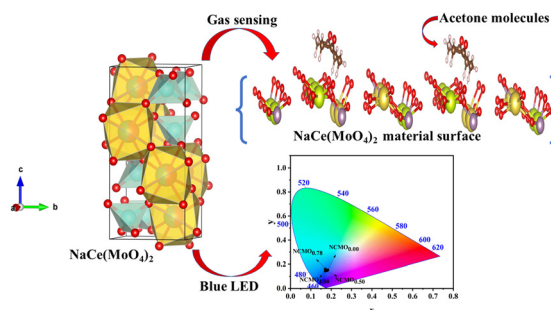
Aryan Boora, Surender Duhan,* Bhavna Rohilla, Priya Malik, Supriya Sehrawat, M. S. Goyat, Yogendra Kumar Mishra and Vinod Kumar



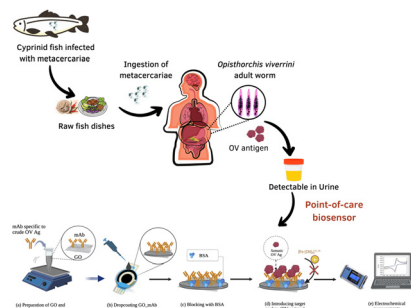
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A truncated octahedron $\text{NaCe}(\text{MoO}_4)_2$ nanostructure: a potential material for blue emission and acetone sensing

Nibedita Haldar, Tanmoy Mondal, Tanushri Das, Debabrata Sarkar, Mrinal Pal, Asiful H. Seikh and Chandan Kumar Ghosh*



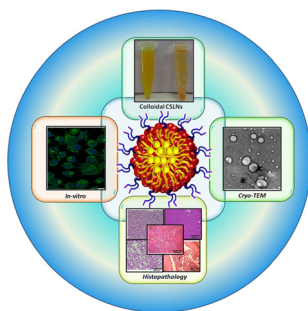
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Functionalized graphene oxide–antibody conjugate-based electrochemical immunosensors to detect *Opisthorchis viverrini* antigen in urine

Nang Noon Shean Aye, Pornsuda Maraming, Patcharaporn Tippayawat, Sakda Daduang, Anchalee Techasen, Wassana Jammongkan, Paiboon Sithithaworn and Jureerut Daduang*

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Selective induction of apoptotic cell death in lung carcinoma cells by curcumin-loaded PEGylated lipid nanoparticles with minimal normal tissue toxicity: *in vitro* and *in vivo* toxicity evaluation by oral delivery

Bijaideep Dutta, Sourav Kumar Das, Mayur Temgire, Jayesh Bellare, K. C. Barick,* Amit Kumar and P. A. Hassan*

