

Materials Advances

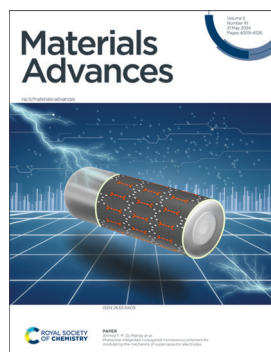
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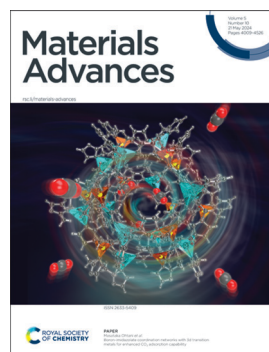
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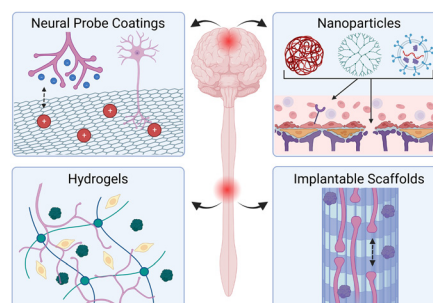


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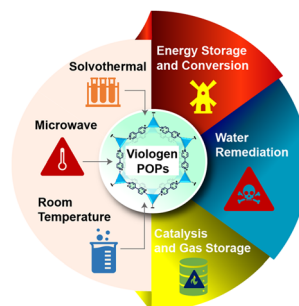


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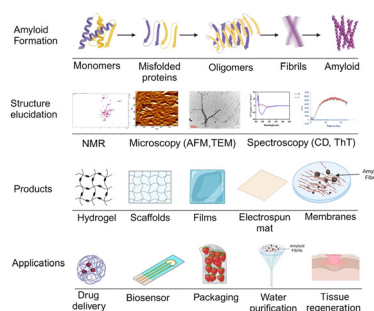
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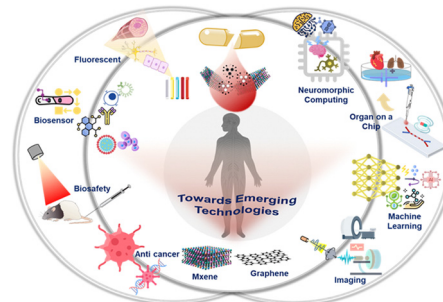
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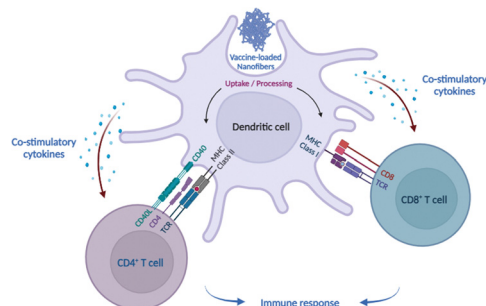
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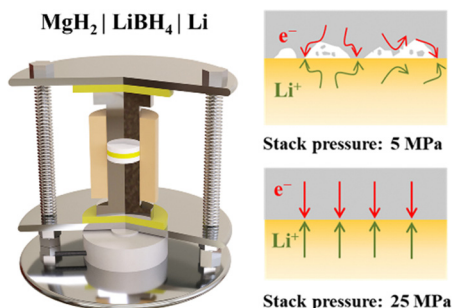
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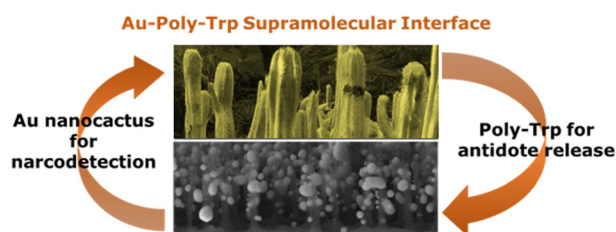
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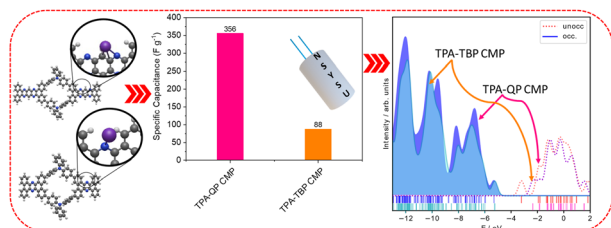


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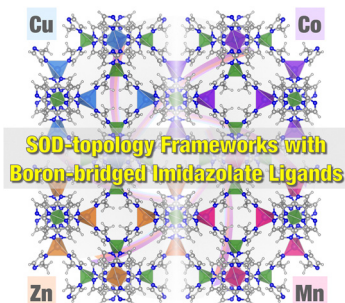
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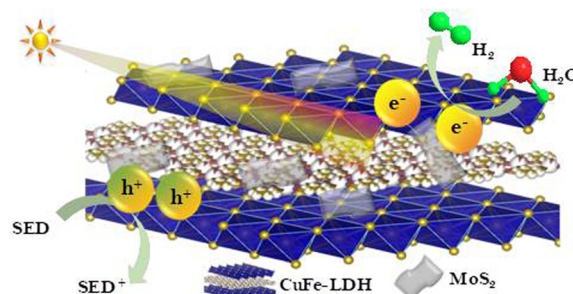
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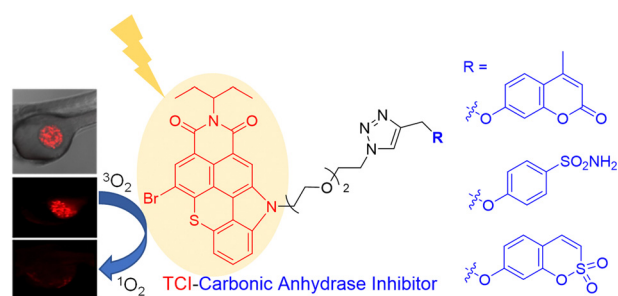
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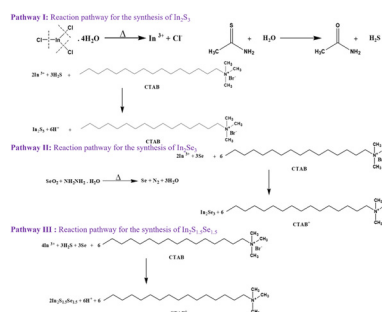
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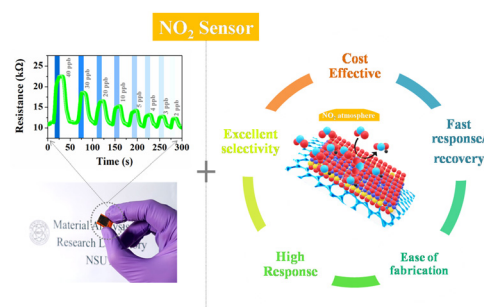
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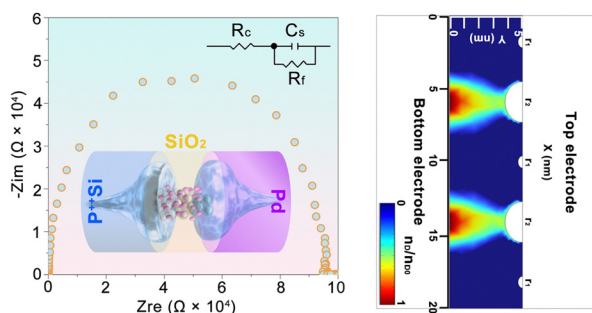
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Phase transition of recombinant fusion protein assemblies in macromolecularly crowded conditions

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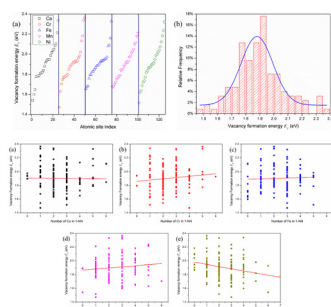
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Shilan Fu, Junfeng Liu, Siqi Wu, Lin Zhang, Xu Zhang* and FengFu Fu*

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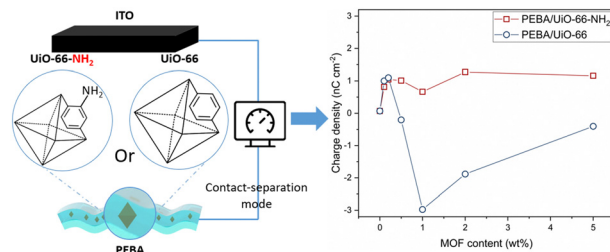
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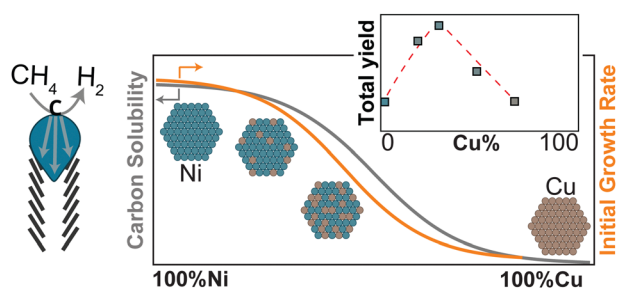
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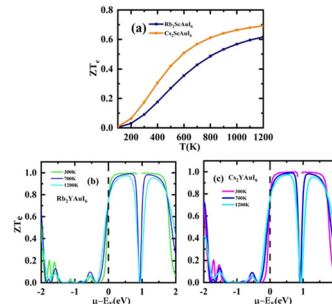
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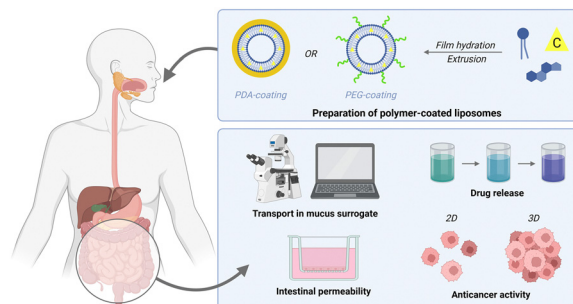
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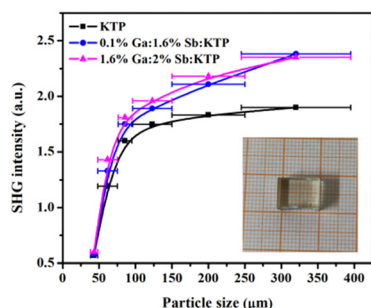
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Anna Maria Maurelli, Bárbara Ferreira, Sofia Dias, Helena Almeida, Vincenzo De Leo,* Bruno Sarmento, Lucia Catucci* and José das Neves*



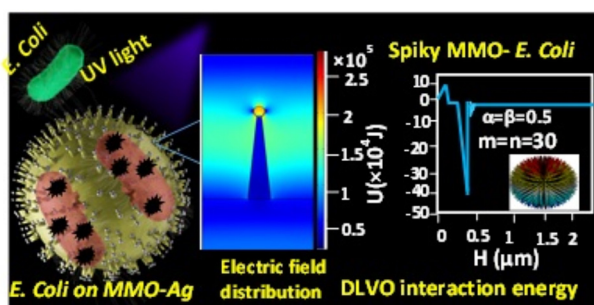
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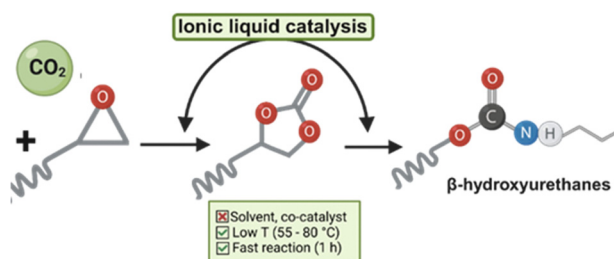
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Self-cleaning formulations of mixed metal oxide-silver micro-nano structures with spiky coronae as antimicrobial coatings for fabrics and surfaces

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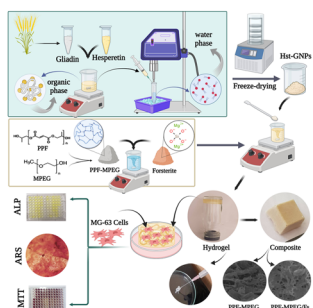
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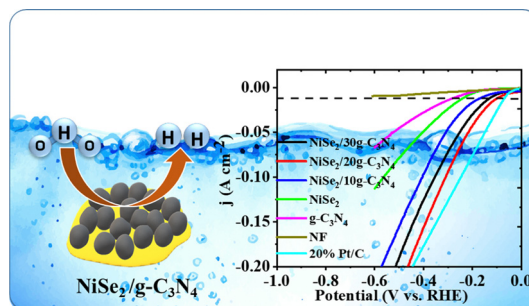
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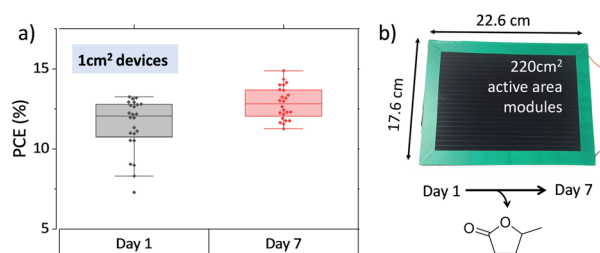
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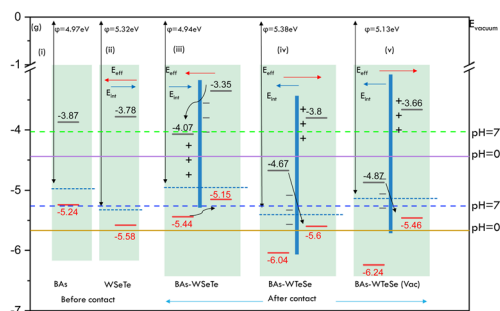
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Enhanced photocatalytic water splitting with two-dimensional van der Waals heterostructures of BAs/WTeSe

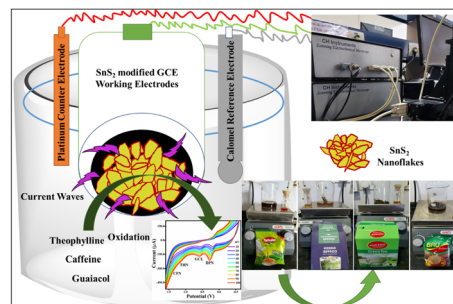
BiBi Hanifan, Abdul Jalil, Syed Zafar Ilyas, Azeem Ghulam Nabi* and Devis Di Tommaso*



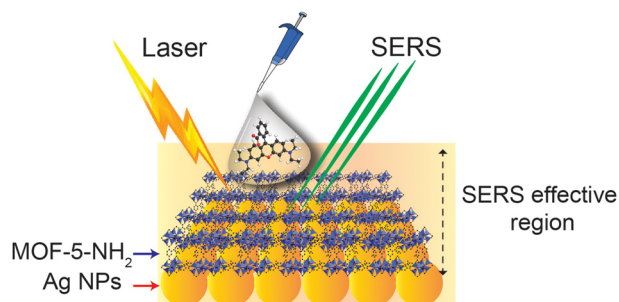
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Highly sensitive and selective electrochemical detection of caffeine, theophylline and guaiacol in green tea, green coffee, coffee, and tea extracts using a SnS₂ nanoflake-modified electrode

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



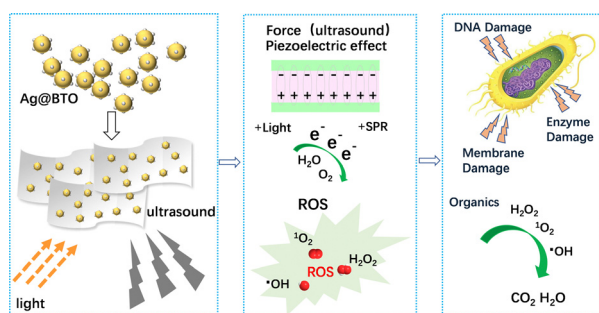
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Integrating the amino-functionalized MOF-5 film with the silver nanoparticle substrate for a high SERS enhancement effect and long-term stability

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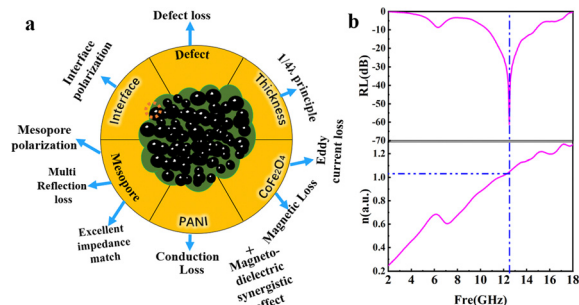
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A heterostructure nanofiber film with an enhanced internal electrical field and surface plasmon resonance for efficient microbial removal

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

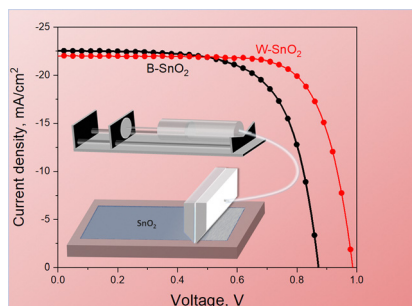
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Aiqiong Wang, Jianxiong Li and Xiaoming Zhao*

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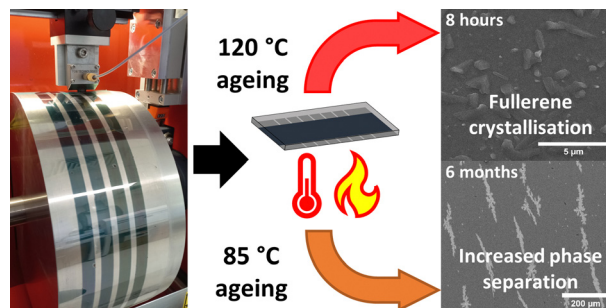
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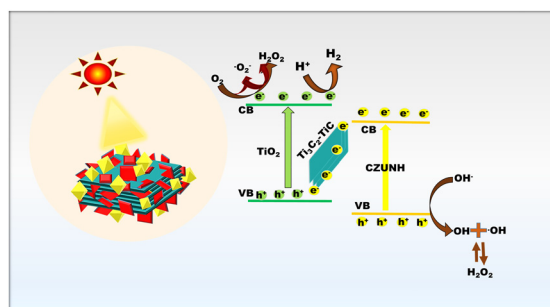
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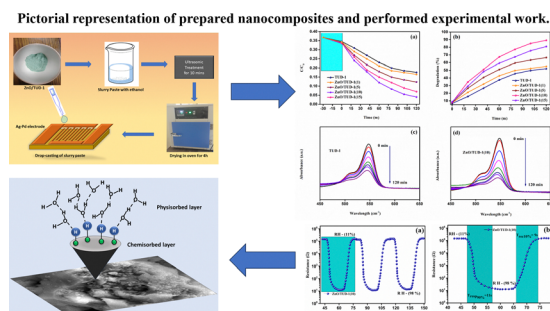
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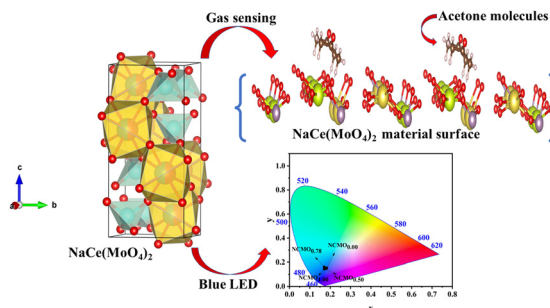
Aryan Boora, Surender Duhan,* Bhavna Rohilla, Priya Malik, Supriya Sehrawat, M. S. Goyat, Yogendra Kumar Mishra and Vinod Kumar



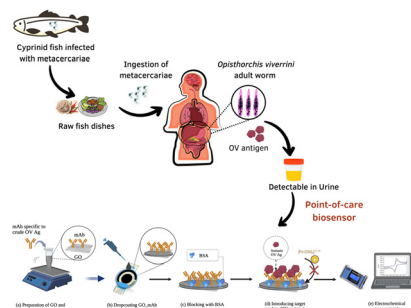
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A truncated octahedron $\text{NaCe}(\text{MoO}_4)_2$ nanostructure: a potential material for blue emission and acetone sensing

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



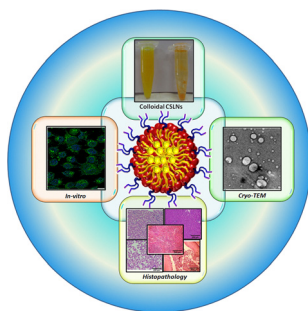
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Functionalized graphene oxide–antibody conjugate-based electrochemical immunosensors to detect *Opisthorchis viverrini* antigen in urine

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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*

