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See Nadia Licciardello, Massimo Sgarzi, Gianarelio Cuniberti *et al.*, pp. 1653–1660. Image reproduced by permission of Massimo Sgarzi and Gianarelio Cuniberti from *Nanoscale Adv.*, 2024, 6, 1653.



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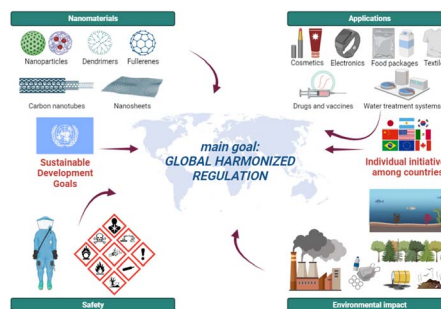
See Carmen Gonzalez *et al.*, pp. 1583–1610. Image reproduced by permission of Gabriela Navarro Tovar and Carmen Gonzalez from *Nanoscale Adv.*, 2024, 6, 1583.

REVIEWS

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Safe nanomaterials: from their use, application, and disposal to regulations

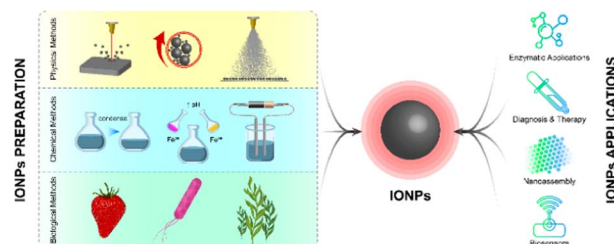
Jorge Antonio Chávez-Hernández, Aída Jimena Velarde-Salcedo, Gabriela Navarro-Tovar and Carmen Gonzalez*



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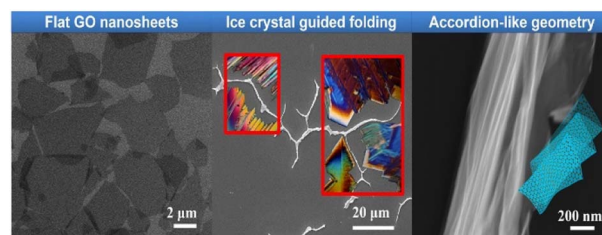
Fundamental questions
Elemental answers

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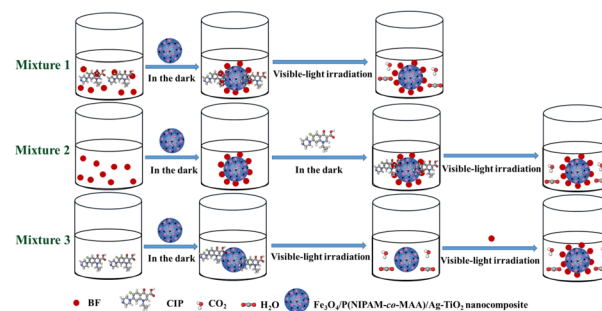


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Multifunctional polymer-based nanocomposites for synergistic adsorption and photocatalytic degradation of mixed pollutants in water

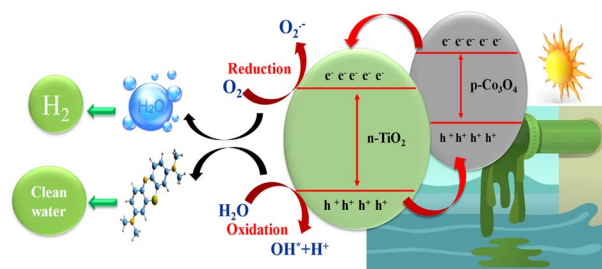
Jiao Wang, Nadia Licciardello,* Massimo Sgarzi* and Gianarelio Cuniberti*



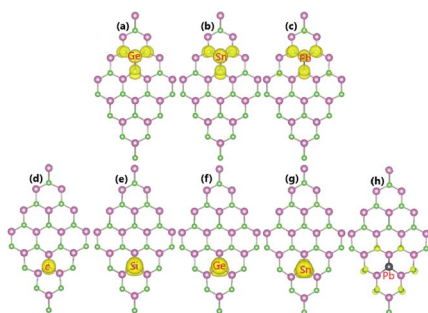
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Enhanced sunlight-driven catalysis for hydrogen generation and dye remediation using synergistic p-Co₃O₄/n-TiO₂ nanocomposites

Sandhya S. Gadge, Ratna Chauhan, Dattatray J. Late, Indra Jeet Chaudhary, Muthupandian Ashokkumar and Suresh Gosavi*



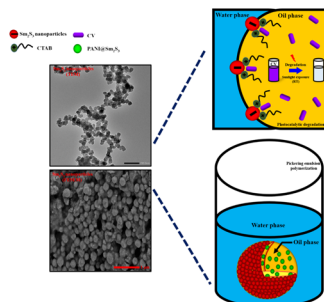
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n/p-Doping in a buckled honeycomb InAs monolayer using IVA-group impurities

D. M. Hoat* and J. Guerrero-Sanchez

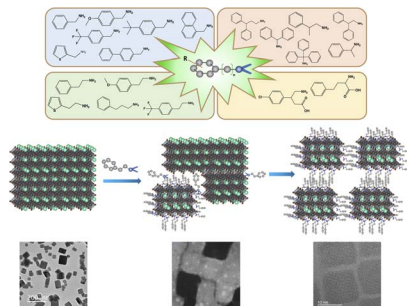
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Sk Mehebab Rahaman, Nargis Khatun, Prashanta Pal, Trishna Mandal, Arnab Patra, Mahasweta Nandi and Bidyut Saha*

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Influence of arylalkyl amines on the formation of hybrid CsPbBr₃ nanocrystals *via* a modified LARP method

Ernest Ruby, Hugo Levy-Falk, Gaëlle Trippé-Allard, Frédéric Fossard, Maxime Vallet, Nicolas Guiblin, Jean-Sébastien Lauret, Emmanuelle Deleporte and Cédric R. Mayer*

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In situ growth of N-doped carbon nanotubes from the products of graphitic carbon nitride etching by nickel nanoparticles

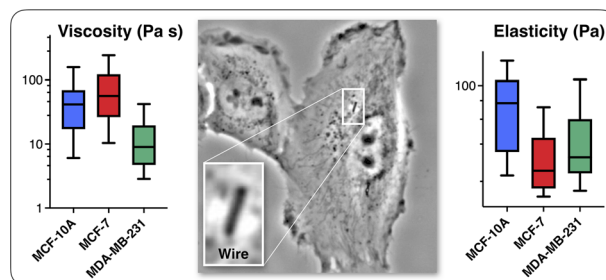
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Cytoplasmic viscosity is a potential biomarker for metastatic breast cancer cells

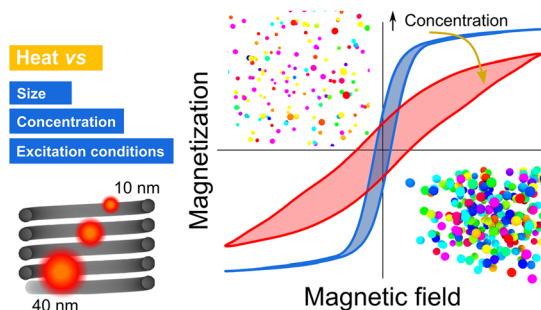
Marie Dessard, Jean-Baptiste Manneville and Jean-François Berret*



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Riccardo Ferrero,* Marta Vicentini and Alessandra Manzin*



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Reinforcement using undoped carbon quantum dots (CQDs) with a partially carbonized structure doubles the toughness of PVA membranes

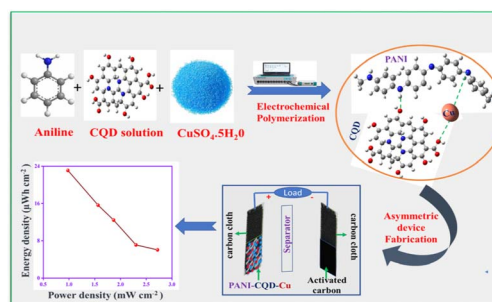
Zeeshan Latif, Hasan B. Albargi, Zubair Khaliq, Kinza Shahid, Usama Khalid, Muhammad Bilal Qadir,* Mumtaz Ali,* Salman Nosheer Arshad, Ali S. Alkorbi and Mohammed Jalalah



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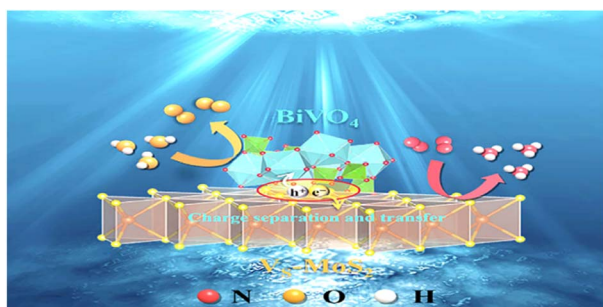
Construction of a binder-free PANI-CQD-Cu electrode via an electrochemical method for flexible supercapacitor applications

Esakkimuthu Shanmugasundaram, Vigneshkumar Ganesan, Vimalasruthi Narayanan, Kannan Vellaisamy, Na'il Saleh* and Stalin Thambusamy*



PAPERS

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Construction of a BiVO₄/V₅-MoS₂ S-scheme heterojunction for efficient photocatalytic nitrogen fixation

Han-Ying Luo, Zhao-Lei Liu, Meng-Ran Zhang, Yan-Fei Mu* and Min Zhang*

CORRECTION

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Correction: Mechanistic insights into Ag⁺ induced size-growth from [Au₆(DPPP)₄]²⁺ to [Au₇(DPPP)₄]²⁺ clusters

Ying Lv, Xiaohang Wu, Shuping He and Haizhu Yu*

