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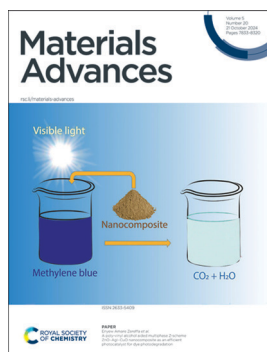
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See Enyew Amare Zereffa *et al.*, pp. 8017–8033. Image reproduced by permission of Enyew Amare Zereffa from *Mater. Adv.*, 2024, 5, 8017.

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Introduction to 'Multimodal remote actuation and sensing in polymer nanocomposites for advanced applications'

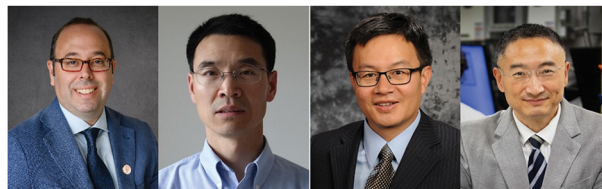
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Introduction to 'Conducting ceramic membranes for energy conversion and storage'

Kyle Brinkman,* Fanglin (Frank) Chen, Dong Ding and Xiao-Dong Zhou



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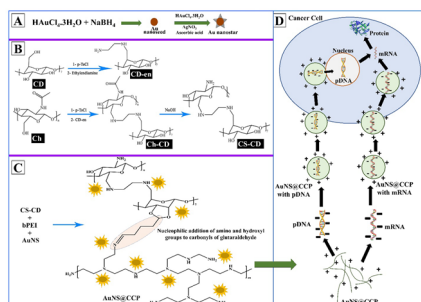
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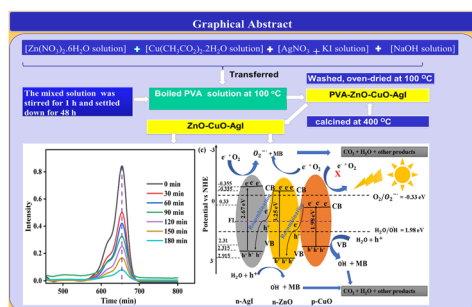
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Synthesis, characterization, and application of a biocompatible gene delivery nanocarrier constructed from gold nanostars and a chitosan–cyclodextrin–poly(ethylene imine) graft polymer

Farbod Tabesh, Golnaz Haghverdi, Kireeti Phani Devarakonda, Tarik F Massoud and Ramasamy Paulmurugan*

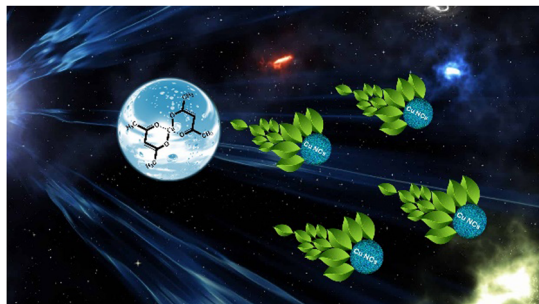
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A poly-vinyl alcohol aided multiphase Z-scheme ZnO–AgI–CuO nanocomposite as an efficient photocatalyst for dye photodegradation

Teketel Girma Gindose, Tsegaye Belege Atisme, Gebrehiwot Gebreslassie, Abera Beyene Gebresilassie and Enyew Amare Zereffa*

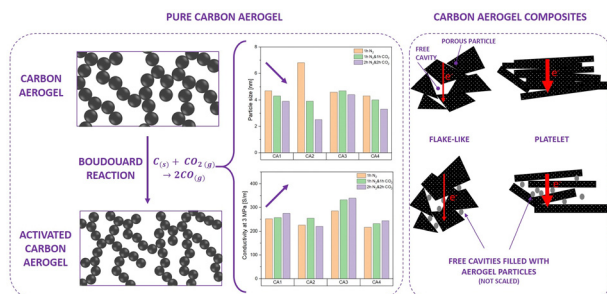
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Photochemical eco-friendly synthesis of photothermal and emissive copper nanoclusters in water: towards sustainable nanomaterials

Angelo Ferlazzo,* Stefano Bonforte, Federica Florio, Salvatore Petralia,* Lorenzo Sorace, Beatrice Muzzi, Andrea Caneschi* and Antonino Gulino*

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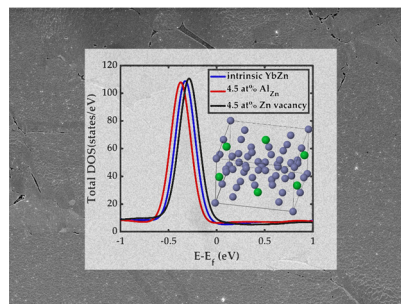
Jessica Kröner, Dominik Platzer, Barbara Milow and Marina Schwan*



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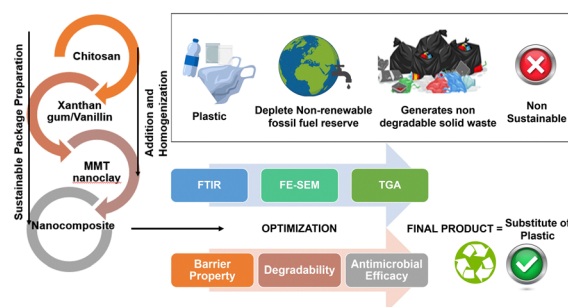
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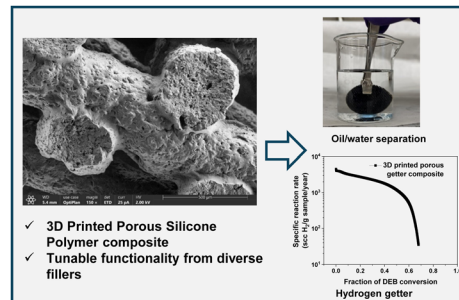
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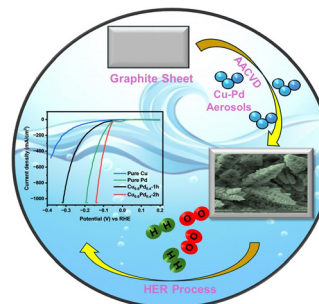
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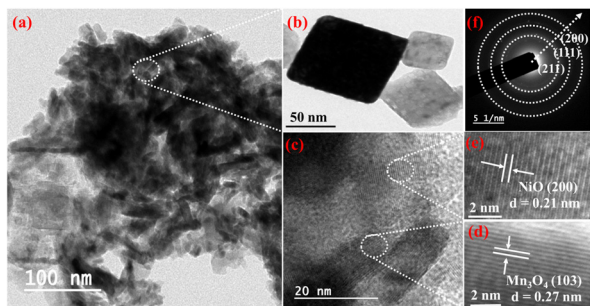
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Facile fabrication of binary copper–palladium alloy thin film catalysts for exceptional hydrogen evolution performance

Muhammad Ali Ehsan,* Akilarasan Muthumariappan, Muhammad Ali, Abbas Saeed Hakeem and Wasif Farooq



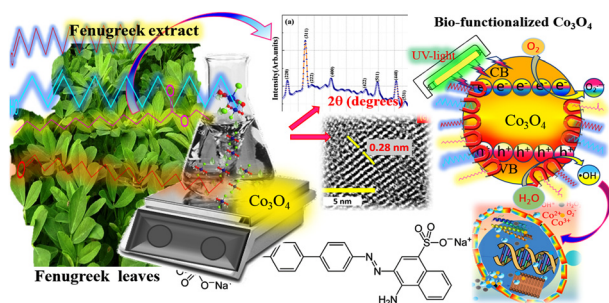
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Mandvi, Prit Pal Singh, Suhas Ballal, Mamta Chahar, Jaya Bansal, Ranvijay Kumar, Sandeep Kumar and Sandeep Kaushal*

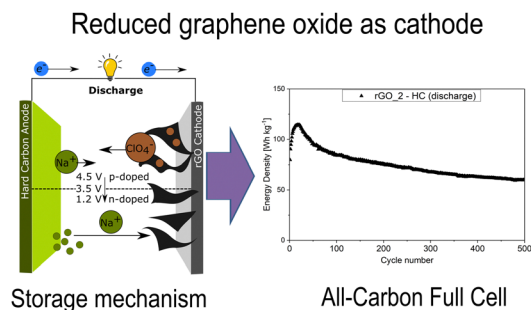
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Enhanced photocatalytic degradation and antimicrobial activities of biogenic Co₃O₄ nanoparticles mediated by fenugreek: sustainable strategies

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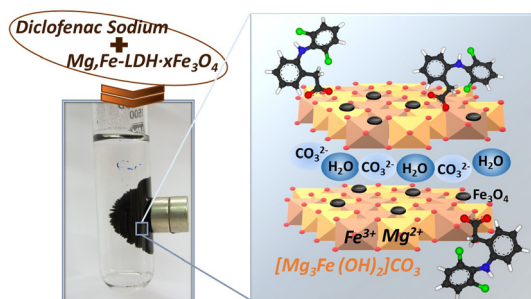
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Understanding the electrochemical behaviour of reduced graphene oxide cathodes in all-carbon Na-ion batteries

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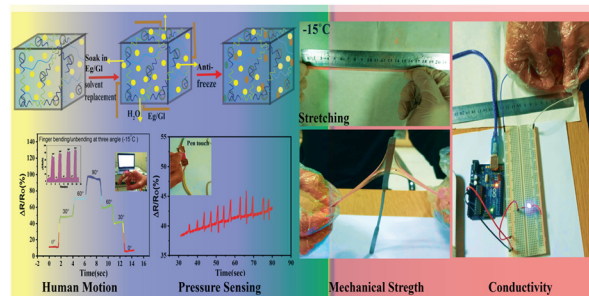
Tetiana Hubetska, Victor Demchenko and Natalia Kobylinska*



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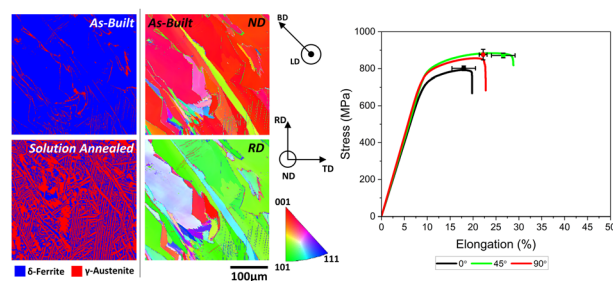
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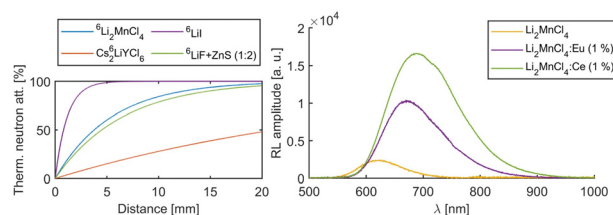
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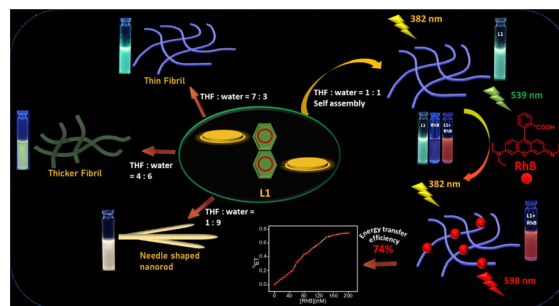
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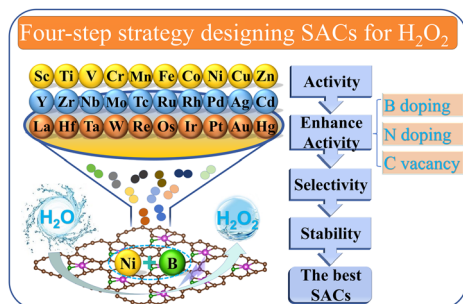
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Priya Rana, Mallayasamy Siva, Rabindranath Lo* and Priyadip Das*



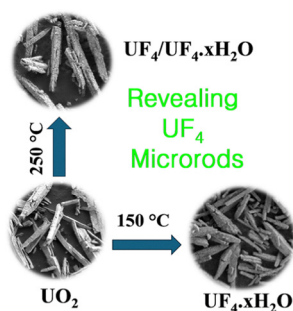
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Shu-Long Li, Xiaogui Song, Zuhui Zhou, Hongyuan Zhou, Liang Qiao,* Yong Zhao* and Li-Yong Gan*

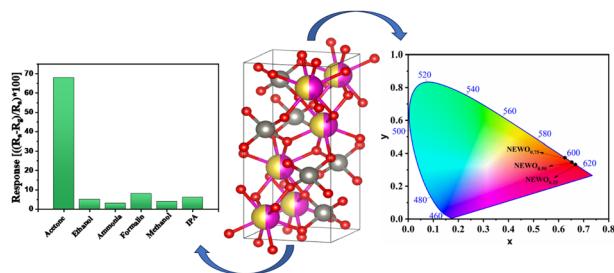
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Harry Jang and Frederic Poineau*

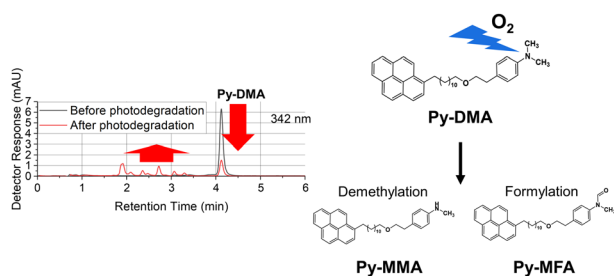
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Multifunctional $\text{NaEu}(\text{WO}_4)_2$: defect-tuned red emission and acetone sensing at room temperature

Kumar Riddhiman Sahoo, Tanushri Das, Mrinal Pal, Mohammad Rezaul Karim, Asiful H. Seikh and Chandan Kumar Ghosh*

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Primary photodegradation pathways of an exciplex-forming A–D molecular system

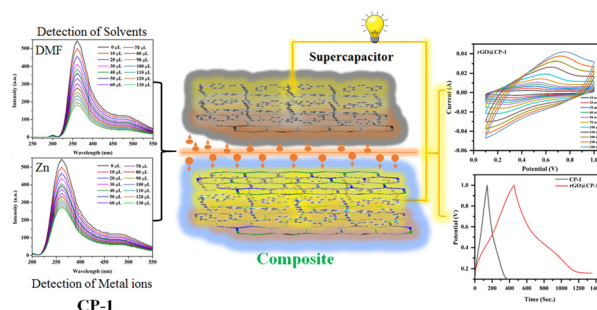
Yeongcheol Ki, Jonghyun Kim, Yeri Son, Suhyun Park, Won-jin Chung, Tae-Young Kim* and Hohjai Lee*



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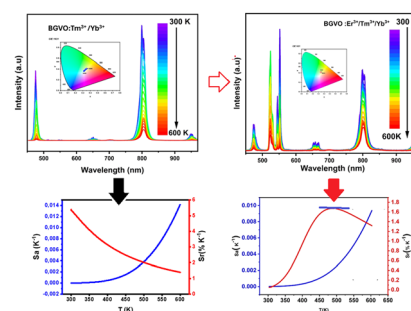
Basree, Waris, Arif Ali, Nishat Khan, Mohammad Zain Khan, Ganesh Chandra Nayak, Kafeel Ahmad Siddiqui* and Musheer Ahmad*



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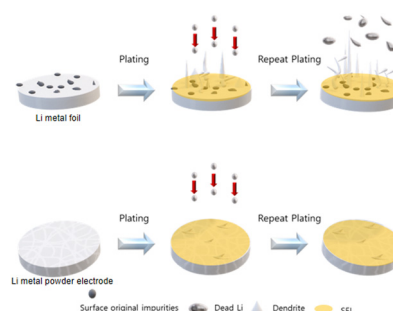
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Attaining improved cycling durability and engineering a dendrite-free lithium metal anode

Hyeong-Seok Oh, Rae-Hyun Lee, Jong-Kyu Lee, Jung-Rag Yoon,* Hyun-Kyung Kim* and Seung-Hwan Lee*



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Bunty Sharma, Arshdeep Sahi, Jaspreet Dhau, Ajeet Kaushik, Rajeev Kumar* and Ganga Ram Chaudhary*

