

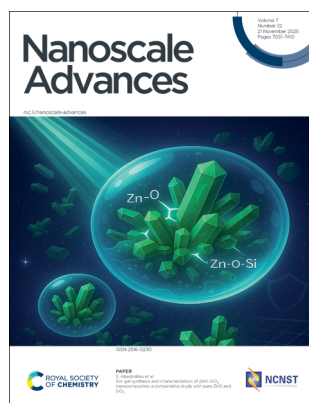
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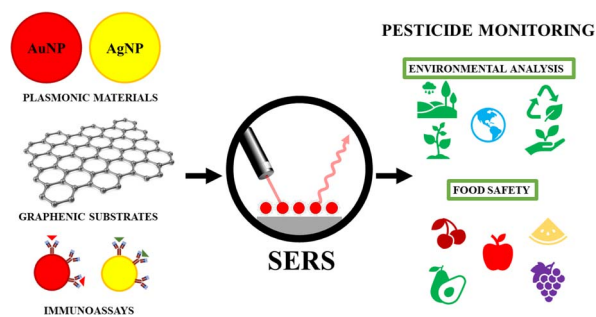
See S. Abedrabbo *et al.*, pp. 7145–7155. Image reproduced by permission of Sufian Abedrabbo & Mohammad Zeidan from *Nanoscale Adv.*, 2025, 7, 7145.

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Surface-enhanced Raman spectroscopy as a tool for food and environmental monitoring of pesticides: recent trends and perspectives

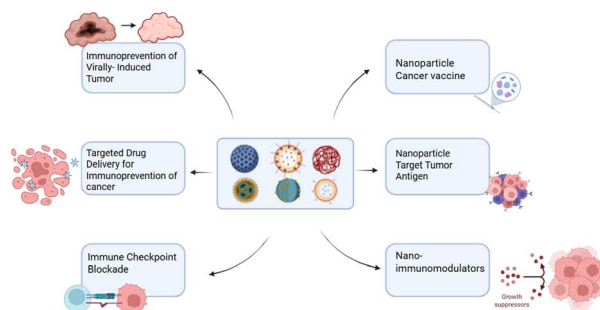
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Jay Bhatt, Sweny Jain, Sharad Gupta* and Dhiraj Devidas Bhatia*



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REVIEWS

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Interfacial engineering of nano-copper: mechanisms, strategies, and innovations for oxidation resistance

Bo Zhang, Ziyin Zhou,* Jing Huang, Jiani Zhan, Qiuyu Yao, Rui Lu, Ruixu Hu and Bohong Zhu

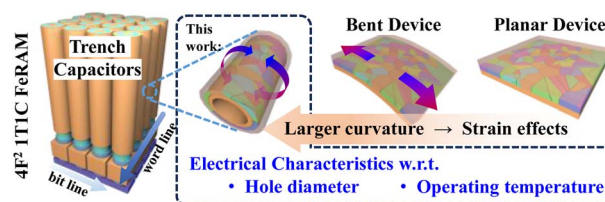


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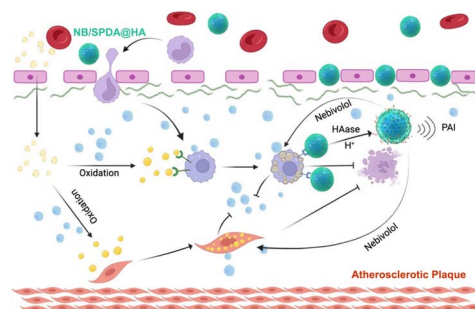
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Yuanzhe Lin, Chenyuan Huang, Xiao Hou, James Chen Yong Kah* and Jiong-Wei Wang*

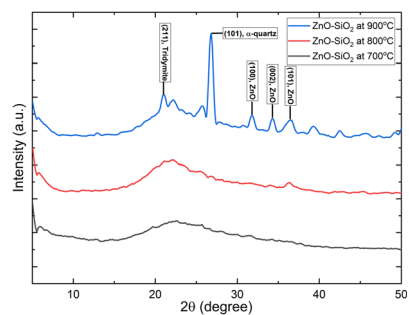


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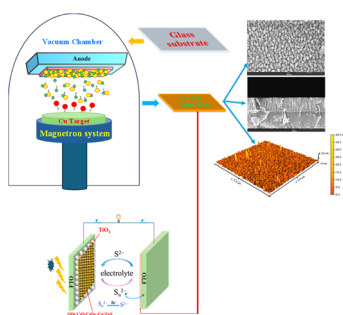
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A. Samuel, A. Abdullah, G. Xavier, S. Stephen, M. M. Zeidan, D. Choi and S. Abedrabbo*



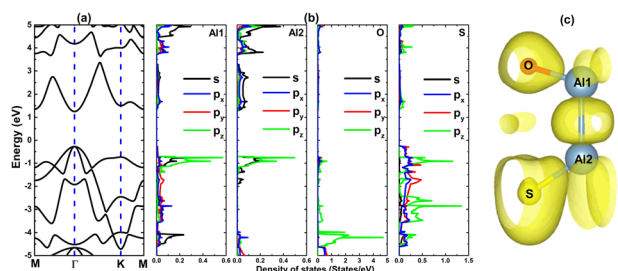
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Nitrogen-doped Cu_4O_3 thin films as high-performance counter electrodes for quantum dot-sensitized solar cells

Pham Minh Khang, Le Thanh Duy, Huu Phuc Dang and Tran Le*

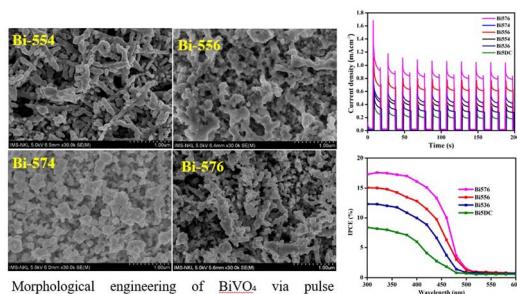
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Nguyen Thanh Tien, R. Ponce-Pérez, Armando Reyes-Serrato, J. Guerrero-Sanchez and D. M. Hoat*

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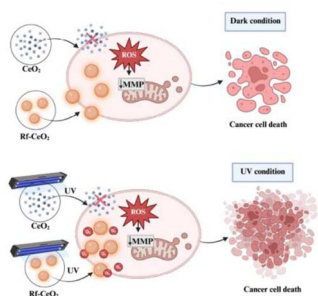


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Nguyen Thi Huyen, Thi Viet Ha Luu, Tran Le and Huu Phuc Dang*

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Engineered riboflavin–cerium oxide nanoparticles for enhanced phototoxicity toward triple-negative breast cancer cells

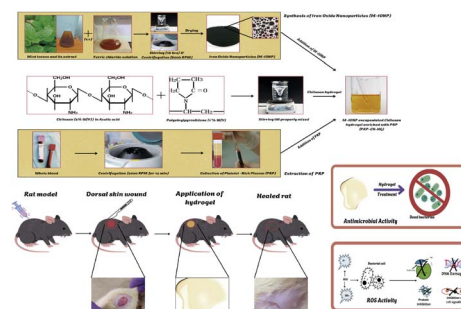
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Biosynthesized iron oxide-nanoparticle encapsulated hydrogel functionalized with platelet-rich plasma (PRP) accelerates wound healing in an animal model

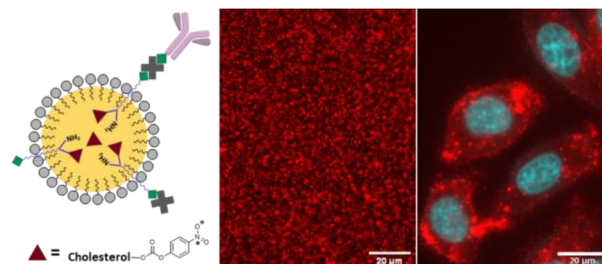
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Utilization of waste leather for efficient removal of Ca^{2+} and Mg^{2+} in lithium carbonate production via nano-structural adsorption

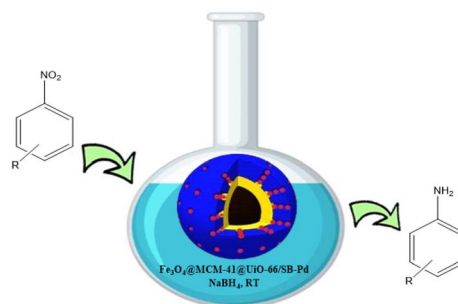
Pengxiang Zhao,* Jianyu Wei, Fumei Wang, Yang Luo and Luming Yang*



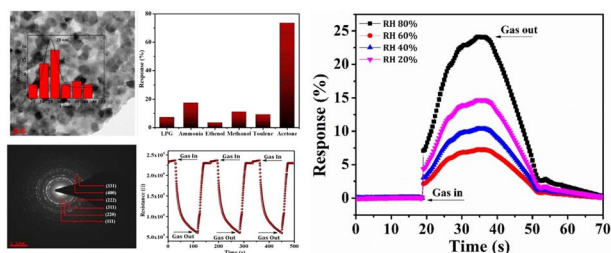
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Palladium-containing magnetic UiO-66-NH₂ as a highly powerful and recoverable nanocatalyst for the reduction of nitrobenzenes

Shiva Kargar and Dawood Elhamifar*



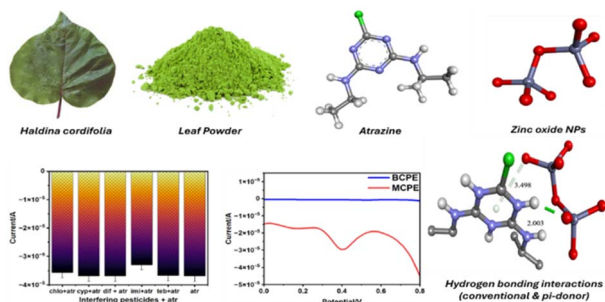
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Room-temperature acetone gas sensing using Sm-doped Co–Zn ferrite nanoparticles: role of mesoporosity and oxygen vacancies in enhancing sensor response

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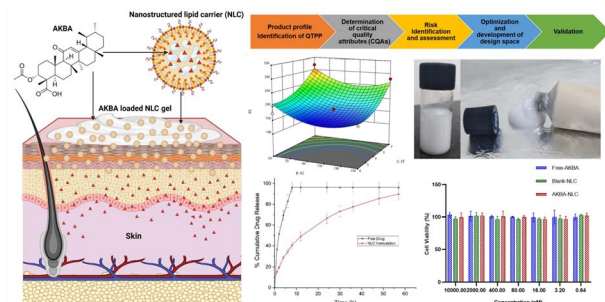
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Green-synthesized ZnO nanoparticles for efficient atrazine detection: electrochemical and computational investigations

Simranjeet Singh, Pavithra N., Radhika Varshney, Ashutosh Panchal, Nabila Shehata, Nadeem A. Khan, Joginder Singh and Praveen C. Ramamurthy*

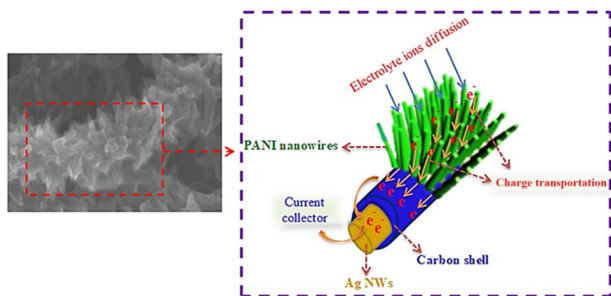
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Enhancing 3-acetyl-11-keto- β -boswellic acid skin permeation via nanostructured lipid carriers: integrating quality by design principles for risk estimation and optimization

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Carbon–polyaniline coaxial structures for enhanced charge transfer and capacitance in supercapacitors

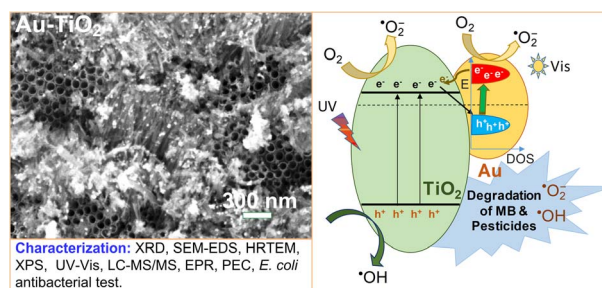
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Plasmonic Au–TiO₂ nanowire/nanotube heterostructures for multifunctional photocatalysis: dye and pesticide degradation, water splitting, and antibacterial activity

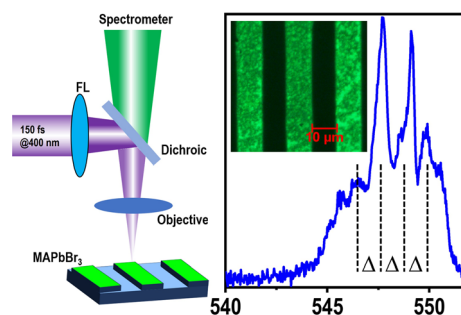
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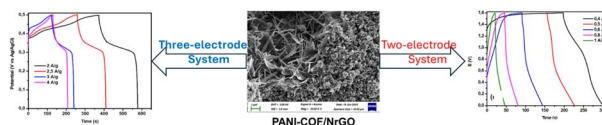
Yuxin Zhang, Qin Zhang and Xinping Zhang*



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Synergistic enhancement of supercapacitor performance using covalent organic frameworks integrated with nitrogenated-reduced graphene oxide and polyaniline

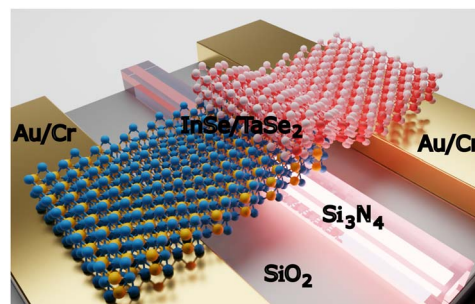
Daniel Malesela Teffu, Katlego Makgopa and Kwena Desmond Modibane*



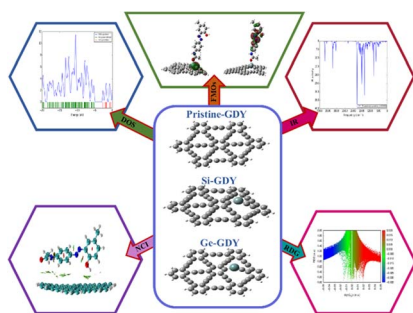
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High-responsivity InSe/TaSe₂ photodetectors integrated on low-loss silicon nitride waveguides

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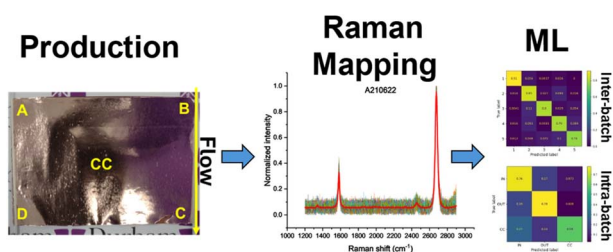
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Mohamed M. Aboelnga,* Mariam M. Seliem, Elsayed El-Bayoumy and Mohsen El-Tahawy*

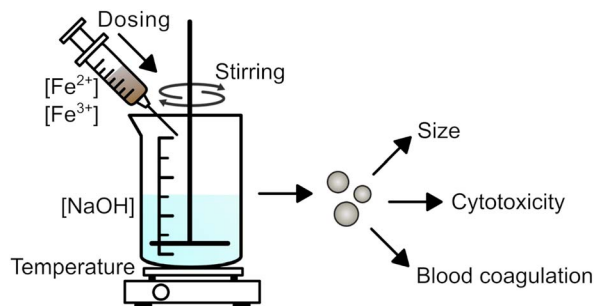
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Selene Muñoz-Vargas, Marcos Fernando Perez-Pucheta and Karl S. Coleman*

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Marco Reindl, Verena Zach, Gerhard Cvirn and Sebastian P. Schwaminger*

