

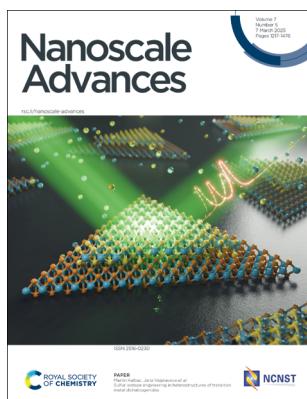
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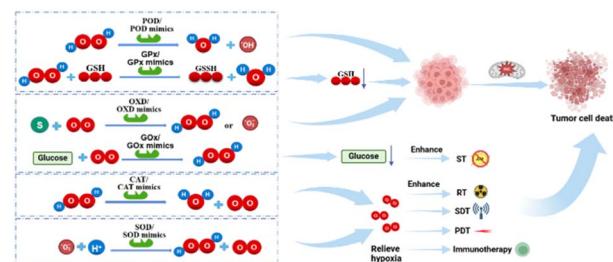
See Martin Kalbac, Jana Vejpravova et al.,
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from *Nanoscale Adv.*,
2025, 7, 1276.

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Emerging engineered nanozymes: current status and future perspectives in cancer treatments

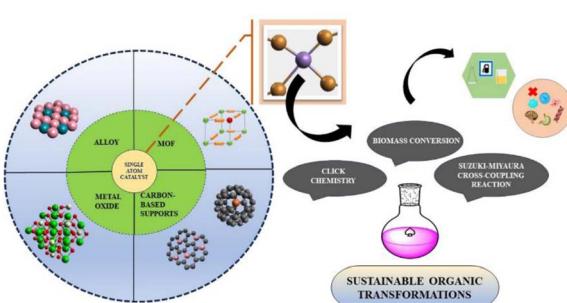
Jiajia Zheng, Weili Peng, Houhui Shi, Jiaqi Zhang,
Qinglian Hu and Jun Chen*



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Deepshikha Roy and Kalyanjyoti Deori*



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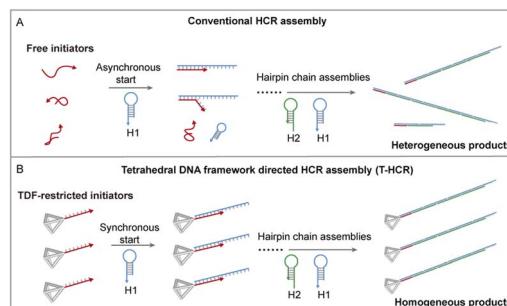
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COMMUNICATION

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Tetrahedral DNA framework-directed hybridization chain reaction controlled self-assembly

Dongdong He, Pengyao Wei, Lin Li, Pan Fu, Jianping Zheng* and Kaizhe Wang*

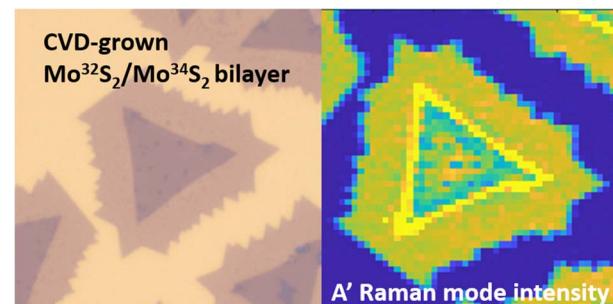


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Sulfur isotope engineering in heterostructures of transition metal dichalcogenides

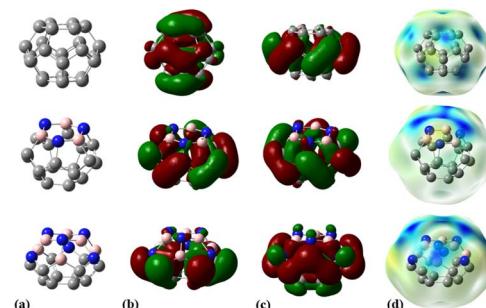
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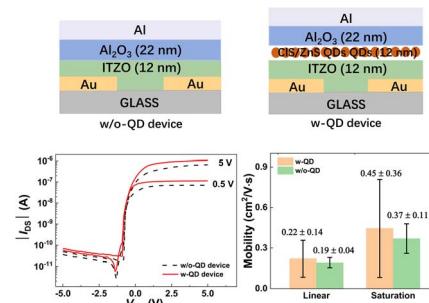
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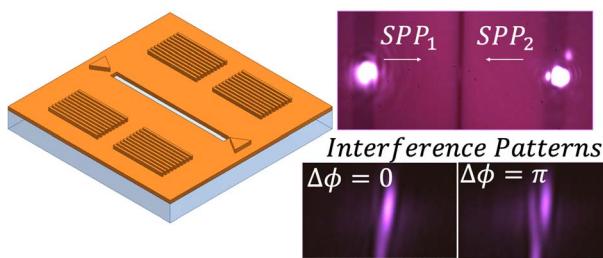
Performance enhancement of InSnZnO thin-film transistors by modifying the dielectric–semiconductor interface with colloidal quantum dots

Sijie Chen, Haoran Chen, Chenghui Xia* and Zhenhua Sun*



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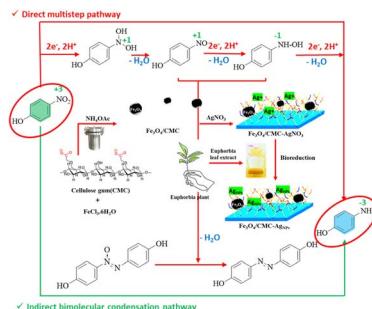
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Selective modal excitation in a multimode nanoslit by interference of surface plasmon waves

Marcos Valero, Luis-Angel Mayoral-Astorga, Howard Northfield, Hyung Woo Choi, Israel De Leon, Mallar Ray* and Pierre Berini*

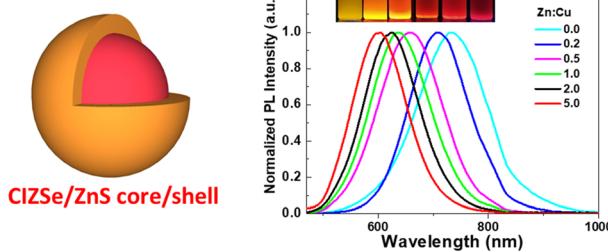
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Mojtaba Azizi,* Mahdi Jafari and Sadegh Rostamnia*

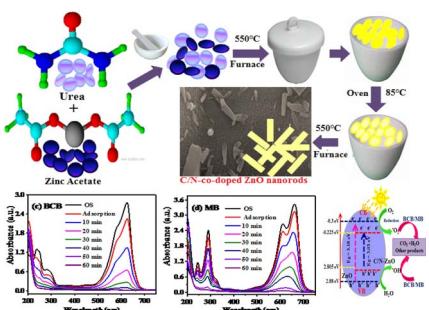
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Parmeshwar Lal Meena,* Ajay Kumar Surela, Lata Kumari Chhachhia, Jugmohan Meena and Rohitash Meena



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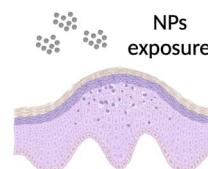
Pre-validation of a novel reconstructed skin equivalent model for skin irritation and nanoparticle risk assessment

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Epidermis model construction



OECD TG 439
Epidermis morphology
Cytokine production

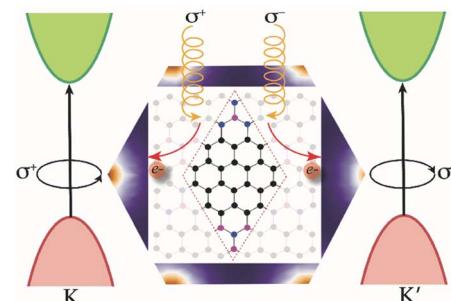


OECD TG 439
Epidermis morphology
Cytokine production
NPs internalization

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Excitonic circular dichroism in boron–nitrogen cluster decorated graphene

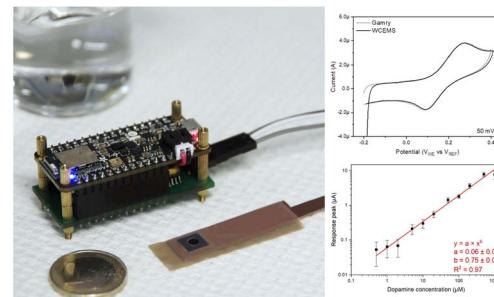
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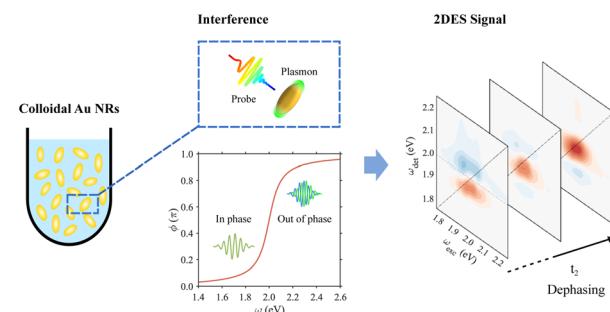
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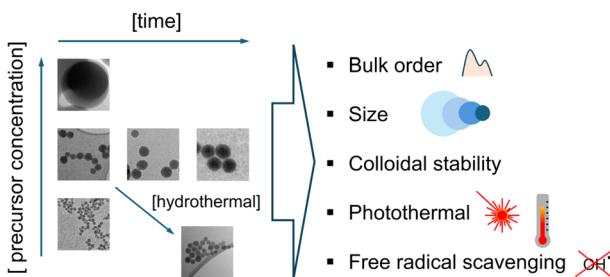
Direct quantification of the plasmon dephasing time in ensembles of gold nanorods through two-dimensional electronic spectroscopy

Federico Toffoletti and Elisabetta Collini*



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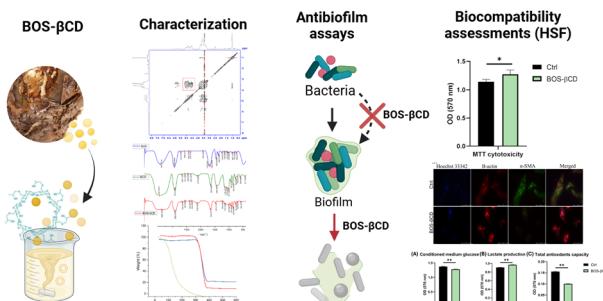
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Hydrothermal carbonization synthesis of amorphous carbon nanoparticles (15–150 nm) with fine-tuning of the size, bulk order, and the consequent impact on antioxidant and photothermal properties

Francesco Barbero,* Elena Destro, Aurora Bellone, Ludovica Di Lorenzo, Valentina Brunella, Guido Perrone, Alessandro Damin and Ivana Fenoglio

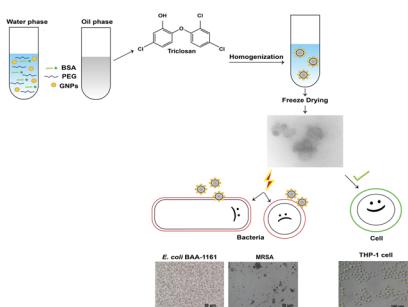
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A biocompatible β -cyclodextrin inclusion complex containing natural extracts: a promising antibiofilm agent

Obaydah Abd Alkader Alabrahim, Mostafa Fytory, Ahmed M. Abou-Shanab, Jude Lababidi, Wolfgang Fritzsche, Nagwa El-Badri* and Hassan Mohamed El-Said Azzazy*

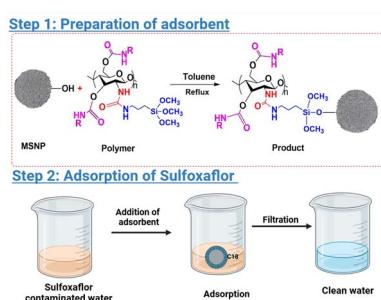
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Arathy J. Nair and Dakrong Pissuwan*

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Synthesis of chiral mesoporous silica nanoparticles for the adsorptive removal of the chiral insecticide sulfoxaflor from water

Sarah Alharthi, Ashraf Ali* and Eman Y. Santali

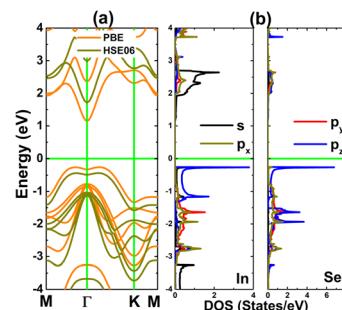


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Band structure and magnetism engineering of InSe monolayers through doping with IVA- and VA-group atoms: role of impurities

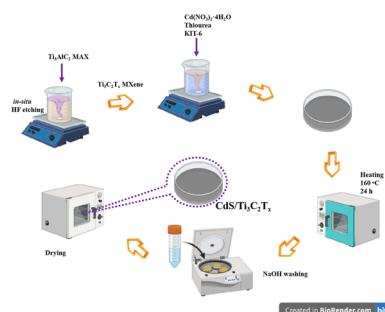
Nguyen Thi Han, J. Guerrero-Sanchez and D. M. Hoat*



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Highly selective ethanol gas sensor based on CdS/Ti₃C₂T_x MXene composites

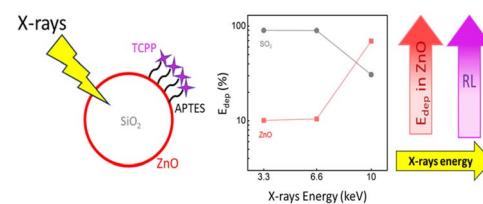
Ly Tan Nghiem, Jianbin Mao, Qui Thanh Hoai Ta* and Soonmin Seo*



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The role of energy deposition on the luminescence sensitization in porphyrin-functionalized SiO₂/ZnO nanoparticles under X-ray excitation

Irene Villa,* Roberta Crapanzano, Silvia Mostoni, Anne-Laure Bulin, Massimiliano D'Arienzo, Barbara Di Credico, Anna Vedda, Roberto Scotti and Mauro Fasoli



Upon X-ray irradiation, the dense ZnO-related enhancement of energy deposition in TCPP-functionalized SiO₂/ZnO nanoparticles is the mechanism that cooperates to activate the sensitization of TCPP luminescence (RL).