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IN THIS ISSUE

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Cover

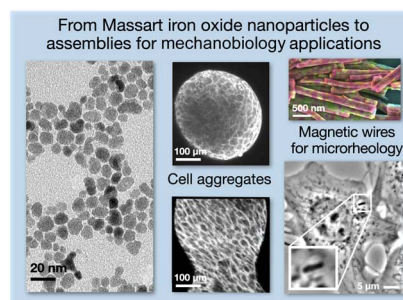
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REVIEWS

2463

Massart iron oxide nanoparticles in mechanobiology

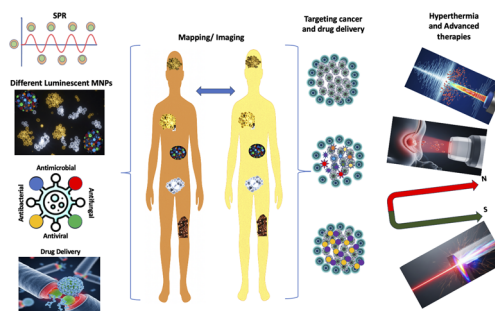
Myriam Reffay, Gilles Tessier and Jean-François Berret*



2482

Metallic nanoparticles: from biosynthesis to biomedical applications, current scenarios and prospects

Rabih Ajib, Krishnamoorthy Shanmugaraj, Ram Manohar Yadav, Tania P. Brito and Dinesh Pratap Singh*



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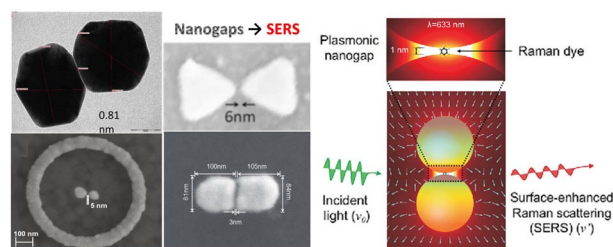
Fundamental questions
Elemental answers

REVIEWS

2512

SERS and SEF with enhancement in nanogaps: from fabrication to biosensing

Alisher Sultangaziyev, Dinmukhamed Aliyev, Ansar Seitkali and Rostislav Bukasov*

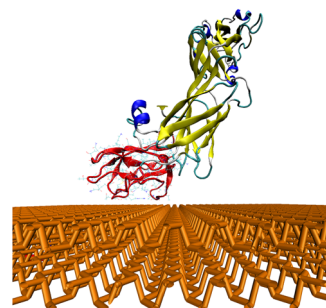


PAPERS

2539

Multi-scale computational insights into West Nile virus E-protein adsorption on graphene and phosphorene nanomaterials

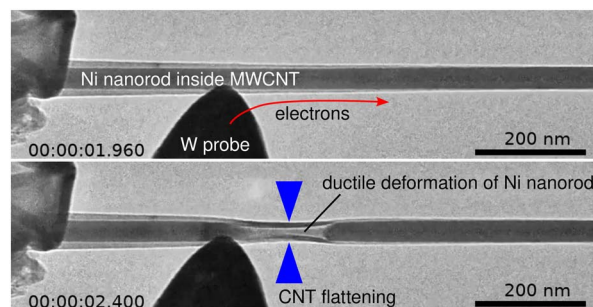
Alessia Papalini and Giorgia Brancolini*



2553

Flattening of multiwalled carbon nanotubes by electromigration-driven ductile deformation of Ni nanorod filler

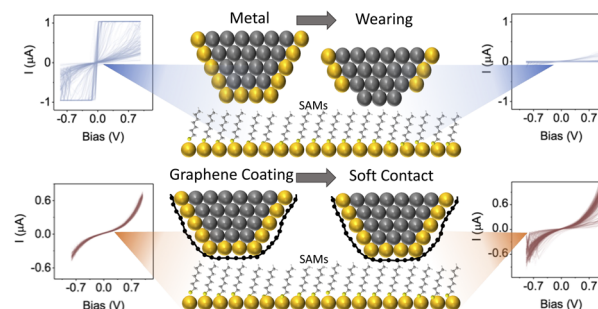
Ren Yasuoka and Hideo Kohno*



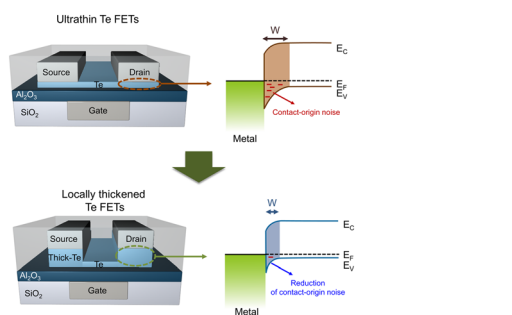
2558

A graphene-coated AFM probe for durable and reproducible nanoscale electronic measurements

Xintai Wang, Angelo Lamantia, Becky Penhale-Jones, Nema Abdelazim, Oleg V. Kolosov and Benjamin J. Robinson*



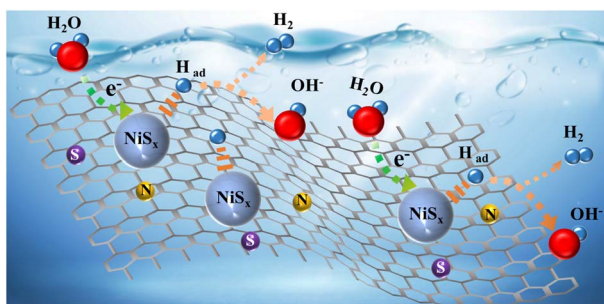
2566



Revealing and engineering contact-origin noise in ultrathin tellurium transistors

Hae-Won Lee, Minjae Kim, Junho Ban, Jae Hyeon Jun, Kiyung Kim, Useok Choi, Jung Tae Lee and Byoung Hun Lee*

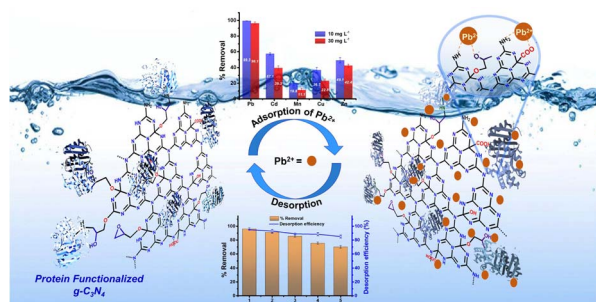
2574



Controllable synthesis of nickel sulfides integrated with carbon fibers towards enhanced hydrogen evolution reaction kinetics

Yuting Li, Juan Wang* and Qin Zhong*

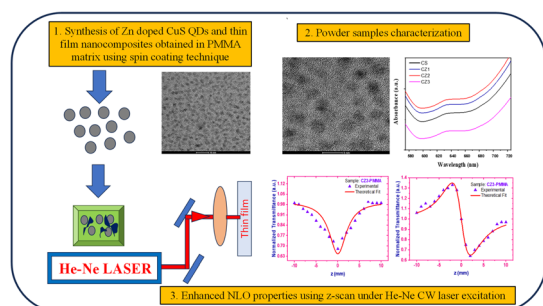
2584



BSA-modified g-C₃N₄ nanosheets as a sustainable dual-purpose adsorbent for efficient Pb²⁺ removal and CO₂ capture

Bitupan Mohan, Rahul Sonkar, Sakyabmani Bharali and Devasish Chowdhury*

2604



High thermal nonlinearity in thin films of Zn-doped CuS QDs dispersed in a PMMA matrix for NLO applications

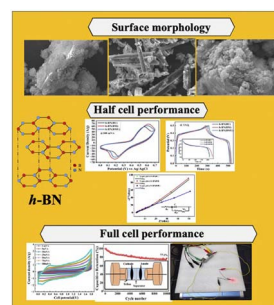
G. G. Muley, Y. S. Tamgadge,* P. P. Gedam and R. P. Ganorkar



2613

Morphology tailoring and improved electrochemical performance of hexagonal boron nitride (h-BN) for symmetric supercapacitor applications

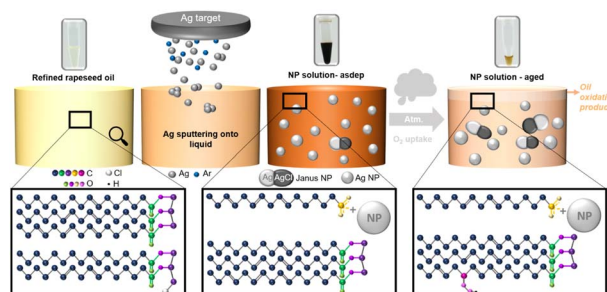
Madhav Dobhal, Aditya Sharma,* Bhavi Agrawal, Mayora Varshney, Hyun-Joon Shin,* Ranjeet Kumar Brajpuriya and Shalendra Kumar



2628

Combined spectroscopic and microscopic investigation of stability upon atmospheric exposure of Ag nanoparticle solutions produced by sputtering onto rapeseed oil

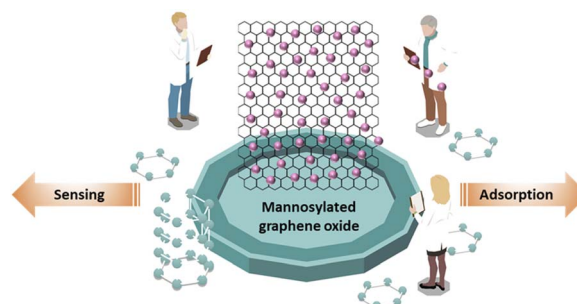
Héloïse Lasfargues,* Devi Janani Ramesh, Lilli Charlotte Freymann, Jochen M. Schneider and Clio Azina



2645

A glyco-engineered nanoplatform for fluorescence detection and adsorptive elimination of *E. coli* from water

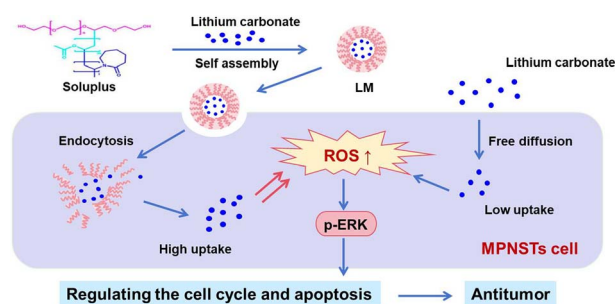
Archana P. K., Vidhya C. Valsalakumar, Suni Vasudevan and Unnikrishnan Gopalakrishna Panicker*



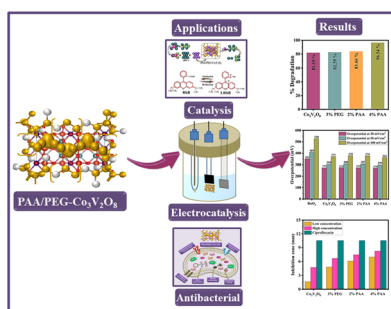
2665

Lithium carbonate-loaded polymeric nano-micelles for enhanced antitumor activity against NF1-associated malignant peripheral nerve sheath tumors via improved cellular uptake

Aiyun Yang, Jie Meng, Zhiqiang Zhu, Yuanfang Lu, Xiuwei Wang, Zhen Guan, Shen Li, Haiyan Xu,* Zhichao Wang* and Jianhua Wang*



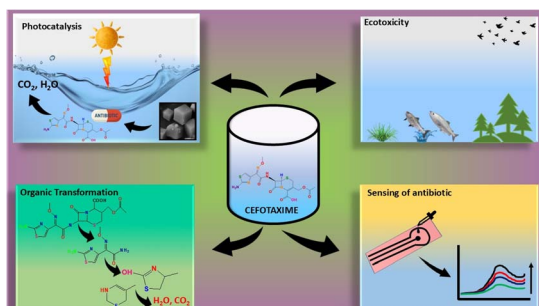
2675



Multifunctional PAA- and PEG-modified $\text{Co}_3\text{V}_2\text{O}_8$ nanoparticles for enhanced RhB degradation, OER activity, and antibacterial activity: experimental validation and computational insight

Arbab Munir, Muhammad Imran, Iram Shahzadi, Ali Haider, Zernab Mateen, Anwar Ul-Hamid, Norah A. Albassami and Muhammad Ikram*

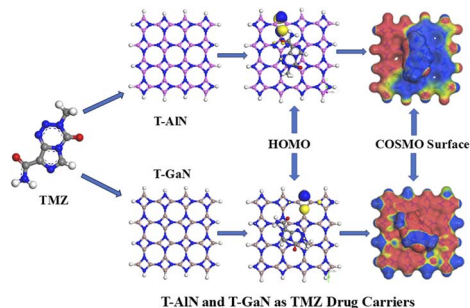
2690



Nanostructured ZIF-67/LaFeO₃ p–n heterojunction interface for amplified cefotaxime sensing & intensified photo-Fenton degradation

Monalisa Samal, Dakshita Snud Sharma, Dharitri Rath, Jagannath Panda, P. Ganga Raju Achary and Binita Nanda*

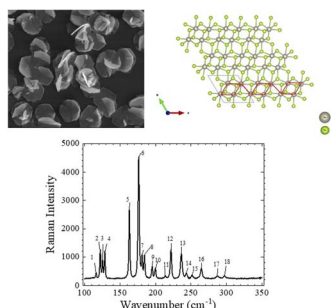
2713



Insights into the adsorption performance of temozolomide on T-based 2D nanosheets from DFT and COSMO calculations

Md. Saydur Rahman Dostagir, Afiya Akter Piya,* Mehedi Hasan Opi, Md. Ashik-E-Elahe and Siraj Ud Daula Shamim

2726



Chemical vapor deposition growth and characterization of ReSe_2

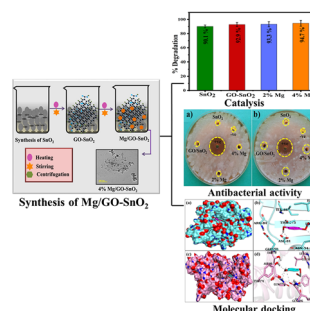
J. Onasanya,* Mourad Benamara, Kanagaraj Moorthi, H. O. H. Churchill, Bothina Hamad* and M. O. Manasreh



2736

Computationally validated magnesium and graphene oxide anchored SnO₂ quantum dots for RhB reduction and antibacterial activity

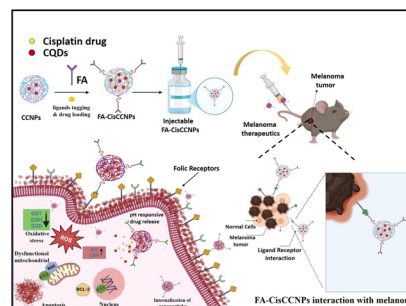
Eman Rai, Muhammad Imran,* Iram Shahzadi, Ali Haider,* Sawaira Moeen, Anwar Ul-Hamid, I Boukhris and Muhammad Ikram*



2746

Biodegradable folate-mediated chitosan–CQD nanocarriers for targeted and stimuli-responsive cisplatin delivery in melanoma

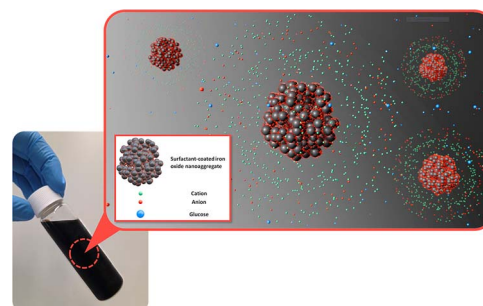
Saurabh Kumar Srivastava, Monika Yadav, Priyanka Singh, Shikha Tripathi, Anita Kamra Verma* and Avanish Singh Parmar*



2763

Surfactant-coated iron oxide nanoparticles synthesized by coprecipitation as potential phosphate adsorbents in peritoneal dialysis

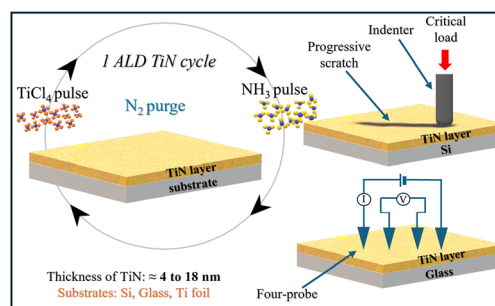
Théo Lucante, Anne Carton, Jan Niklas Schmidt, Céline Kiefer, Philippe Choquet, Ariane Zaloszcyc and Sylvie Bégin-Colin*

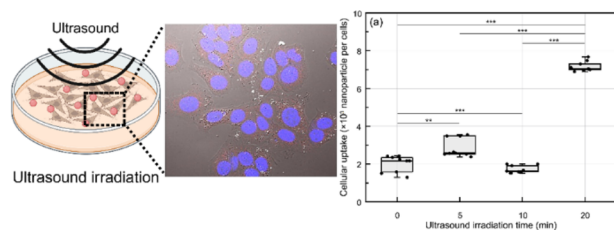


2777

Comprehensive study of ultrathin TiN films by ALD: influence of film thickness and substrate on composition, structure, sheet resistance and durability

Kaushik Baishya, Luděk Hromádko, Jan Brodský, Raul Zazpe,* Jhonatan Rodriguez-Pereira and Jan M. Macak*





Time-point-based analysis of gold nanoparticles in MCF-7 cells following ultrasound irradiation: quantitative and label-free intracellular characterization

Jiwon Kim, Chaewon Bae, Rodrigo Hernández Millares, Taeyun Kim, Yejin Lee, Kangwon Lee and Sung-Joon Ye*

