

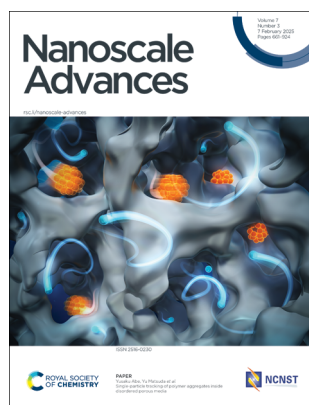
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IN THIS ISSUE

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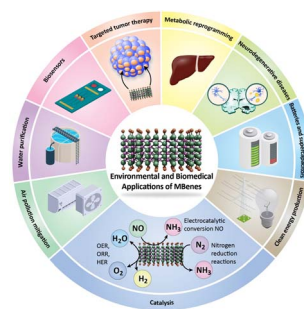
Cover
See Yusaku Abe, Yu Matsuda *et al.*, pp. 728–734. Image reproduced by permission of Yu Matsuda from *Nanoscale Adv.*, 2025, 7, 728.

REVIEWS

670

Environmental and biomedical applications of 2D transition metal borides (MBenes): recent advancements

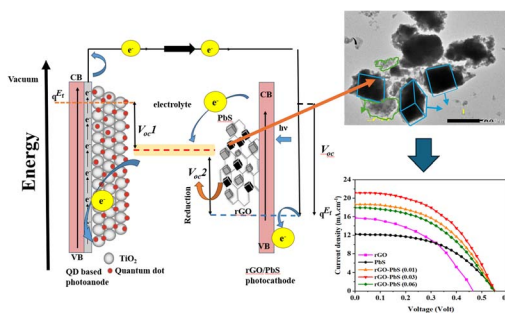
Siavash Irvani,* Atefeh Zarepour, Arezoo Khosravi and Ali Zarrabi*



700

Efficient counter electrode for quantum dot sensitized solar cells using p-type PbS@reduced graphene oxide composite

Huu Phuc Dang,* Ha Thanh Tung, Nguyen Thi My Hanh, Nguyen Thuy Kieu Duyen, Vo Thi Ngoc Thuy, Nguyen Thi Hong Anh and Le Van Hieu



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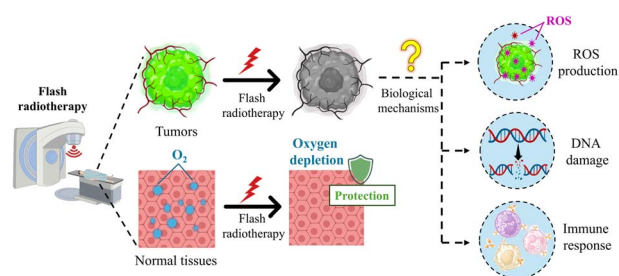
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MINIREVIEW

711

FLASH radiotherapy: mechanisms, nanotherapeutic strategy and future development

Yan Wang, Huifang Wang, Jiawei Hu, Jingjing Chai, Jiajie Luan, Jie Li* and Qingwen Xu*

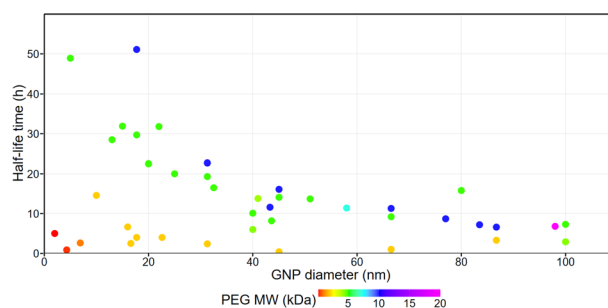


COMMUNICATION

722

Optimal size and PEG coating of gold nanoparticles for prolonged blood circulation: a statistical analysis of published data

Dmitry Nevozhay,* Ronald Rauch, Zhongya Wang and Konstantin V. Sokolov*

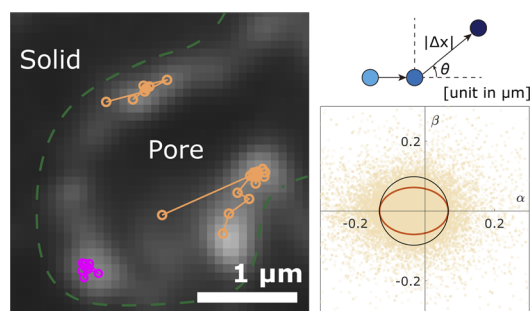


PAPERS

728

Single-particle tracking of polymer aggregates inside disordered porous media

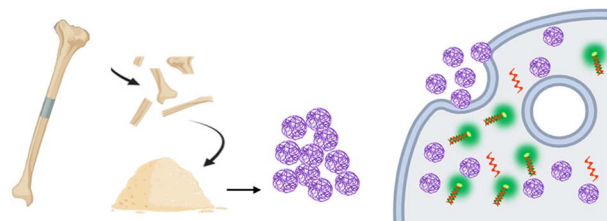
Yusaku Abe,* Naoki Tomioka and Yu Matsuda*



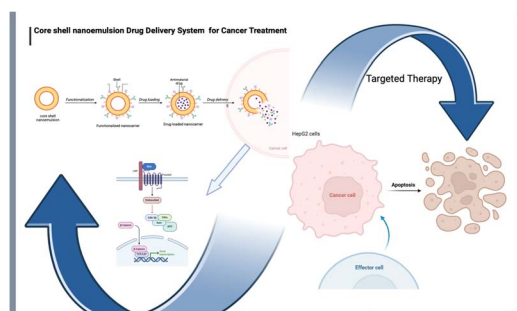
735

Bone-derived nanoparticles (BNPs) enhance osteogenic differentiation via Notch signaling

Austin Stellpflug, Justin Caron, Samantha Fasciano, Bo Wang* and Shue Wang*



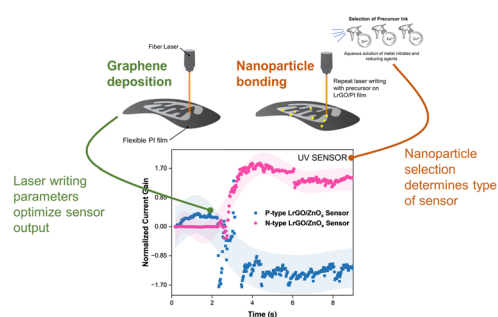
748



In vitro β -catenin attenuation by a mefloquine-loaded core-shell nano emulsion strategy to suppress liver cancer cells

Priyadarshini Mohapatra and Natarajan Chandrasekaran*

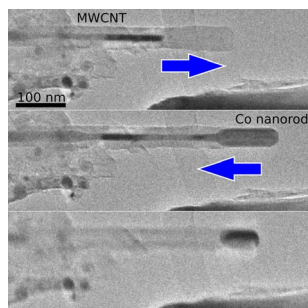
766



Laser writing of metal-oxide doped graphene films for tunable sensor applications

Shasvat Rathod, Monika Snowdon, Matthew Peres Tino and Peng Peng*

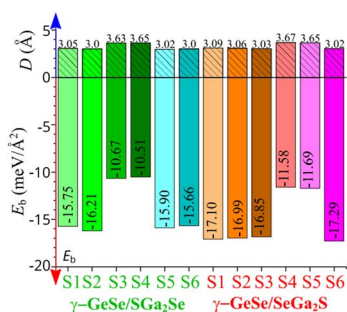
784



Electromigration-driven linear actuator operations of Co nanorods inside and outside multi-walled carbon nanotubes with stroke of tens of nanometers

Shogo Matsuyama and Hideo Kohno*

790



Stacking-dependent and electric field-driven electronic properties and band alignment transitions in γ -GeSe/Ga₂S₂Se heterostructures: a first-principles study

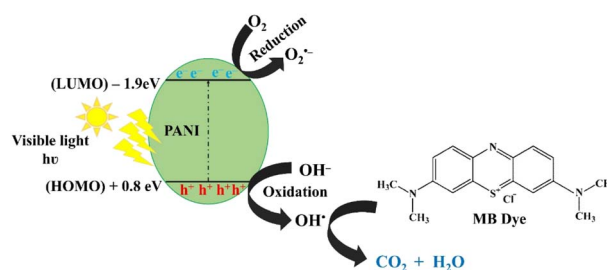
Nguyen V. Vinh, D. V. Lu and K. D. Pham*



800

Enhanced photocatalytic performance of polyaniline nanoparticles for efficient dye degradation under simulated sunlight

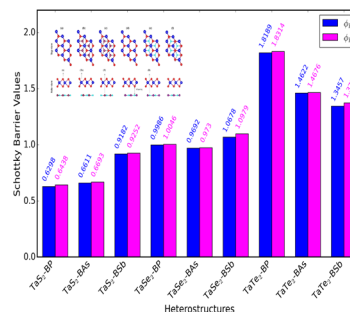
Chinh Van Tran, Duy Van Lai, Thu Minh Nguyen, Xuan Quynh Thi Le, Hanh Hong Nguyen, Nguyet Thi Minh Quan, Tung Thanh Nguyen and Duong Duc La*



808

Layer-dependent Schottky contact at TaX₂-BY (X = S, Se, Te; Y = P, As, Sb) van der Waals interfaces

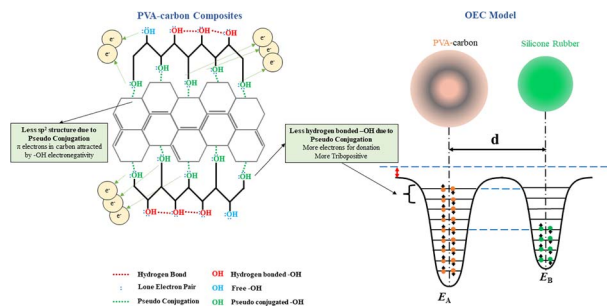
Israr Ul Haq, A. Mustaqeem, B. Ali, M. Umair Ashraf, U. Khan, Muhammad Idrees, M. Shafiq, Yousef Mohammed Alanazi and B. Amin*



819

Enhancing the tribopositive characteristics of polyvinyl alcohol (PVA)-carbon composites by optimizing the PVA-carbon interaction with various carbon fillers

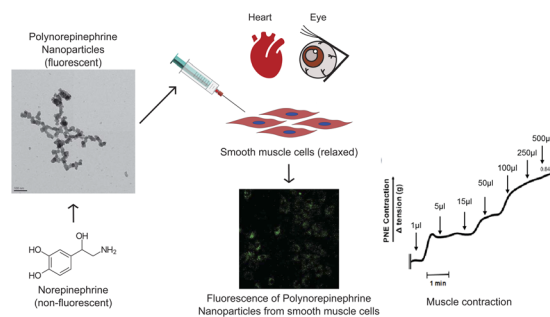
Jian Ye Cheong, Jason Soon Chye Koay, Sanjeev Raj Gopal, Thamil Selvi Velayutham* and Wee Chen Gan*



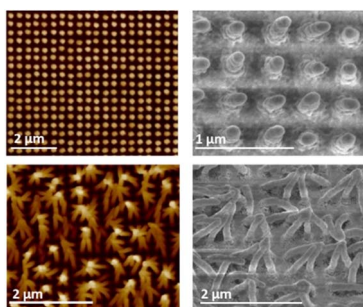
830

Polynorepinephrine nanoparticles activate vascular smooth muscle alpha-1 adrenergic receptors

Vinayaraj Ozhukil Kollath, Vivek Krishna Pulakazhi Venu, Mahmoud Saifeddine, Koichiro Mihara, Simon A. Hirota, Morley D. Hollenberg* and Kunal Karan*



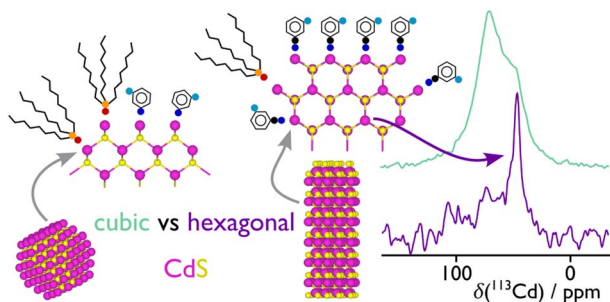
840



Toward nanofabrication of SERS substrates with two-photon polymerization

Tatevik Chalyan,^{*} Mehdi Feizpour, Qing Liu, Koen Vanmol, N ria Solerdelcoll, Gen Takebe, Hugo Thienpont and Heidi Ottevaere

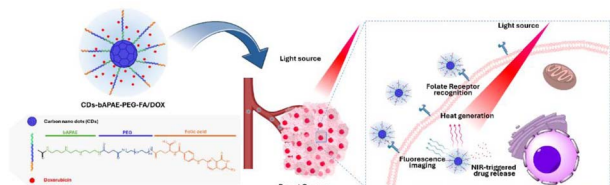
850



Passivation, phase, and morphology control of CdS nanocrystals probed using fluorinated aromatic amines and solid-state NMR spectroscopy

Mark A. Buckingham, Robert Crawford, Yi Li, Ran Eitan Abutbul, Bing Han, Kerry Hazledine, Sarah Cartmell, Alex Walton, Alex S. Eggeman, David J. Lewis^{*} and Daniel Lee^{*}

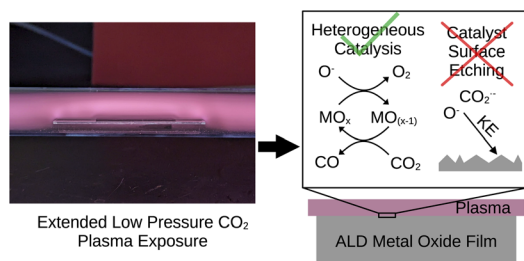
862



Targeted NIR-triggered doxorubicin release using carbon dots–poly(ethylene glycol)–folate conjugates for breast cancer treatment

Paola Varvar , Nicol  Mauro^{*} and Gennara Cavallaro

876



Characterizing the stability of ultra-thin metal oxide catalyst films in non-thermal plasma CO₂ reduction reactions

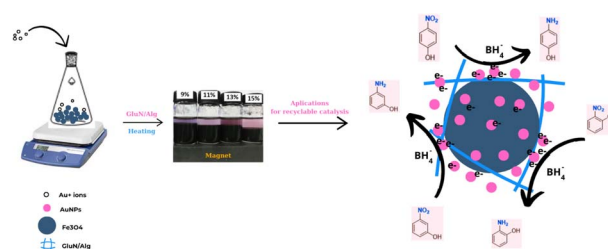
Samuel K. Conlin, Joseph Joel Muhanga, David N. Parette and Robert H. Coridan^{*}



886

In situ synthesis of gold nanoparticles embedded in a magnetic nanocomposite of glucosamine/alginate for enhancing recyclable catalysis performance of nitrophenol reduction

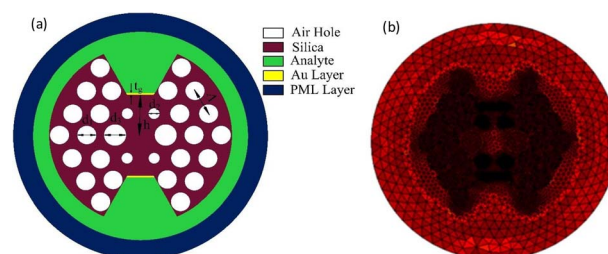
Le-Kim-Thuy Nguyen, Manh-Huy Do, Phuoc-Dat Duong, Thi-My-Duyen Tran, Thi-Quynh-Nhu Ngo, Xuan -Thom Nguyen, Van-Dung Le, Cao-Hien Nguyen, Radek Fajgar and Thanh-Danh Nguyen*



899

A highly optimized and sensitive bowtie shape-based SPR biosensor for different analyte detection

Md Abu Huraiya,* Sankar Ganesh Ramaraj,* Sk. Md. Shahadat Hossain, Kisalaya Chakrabarti, Hitoshi Tabata and S. M. Abdur Razzak



909

Eu³⁺-doped ZnO quantum dots: structure, vibration characteristics, optical properties, and energy transfer process

T. T. T. Huong,* N. T. Sa, N. T. M. Thuy, P. V. Hao, N. H. Thao, N. T. Hien and N. X. Ca*

