

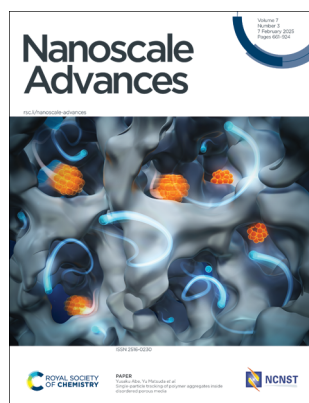
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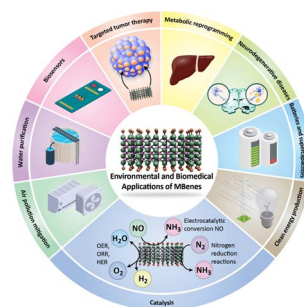
Cover
See Yusaku Abe, Yu Matsuda *et al.*, pp. 728–734. Image reproduced by permission of Yu Matsuda from *Nanoscale Adv.*, 2025, 7, 728.

REVIEWS

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

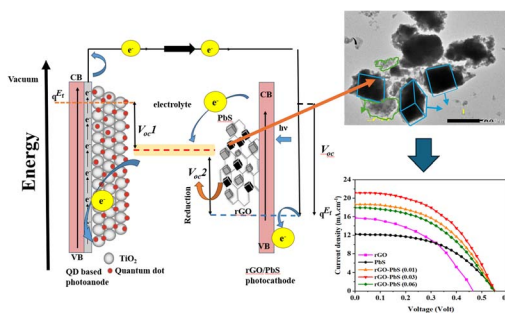
Siavash Iravani,* Atefeh Zarepour, Arezoo Khosravi and Ali Zarrabi*



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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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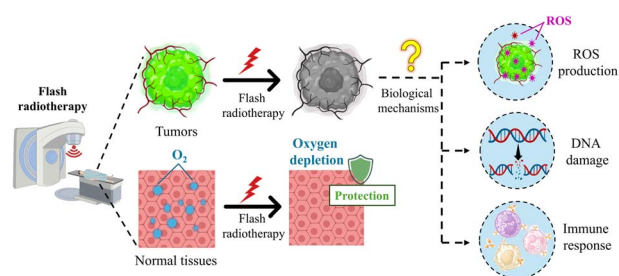
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MINIREVIEW

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FLASH radiotherapy: mechanisms, nanotherapeutic strategy and future development

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

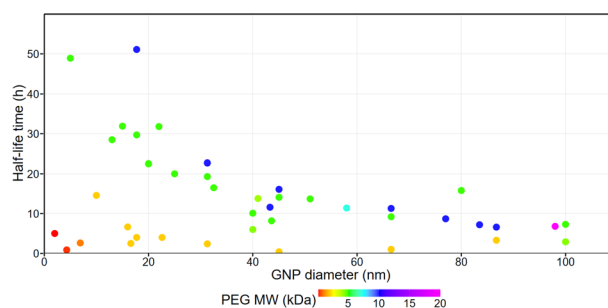


COMMUNICATION

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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*

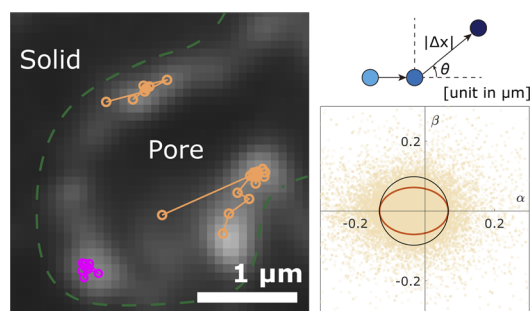


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Single-particle tracking of polymer aggregates inside disordered porous media

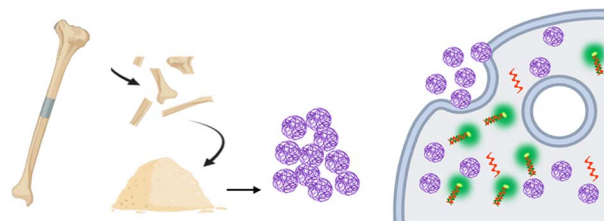
Yusaku Abe,* Naoki Tomioka and Yu Matsuda*



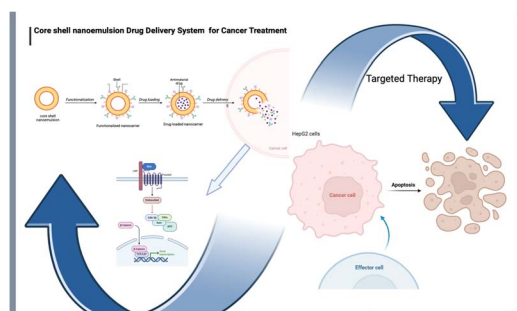
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Bone-derived nanoparticles (BNPs) enhance osteogenic differentiation via Notch signaling

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



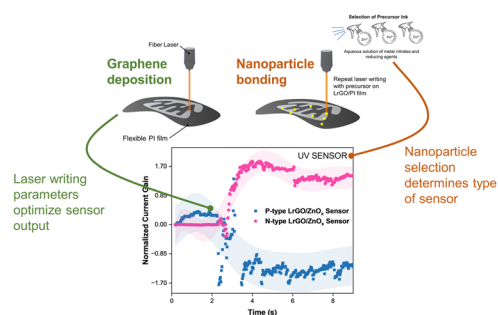
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In vitro β -catenin attenuation by a mefloquine-loaded core-shell nano emulsion strategy to suppress liver cancer cells

Priyadarshini Mohapatra and Natarajan Chandrasekaran*

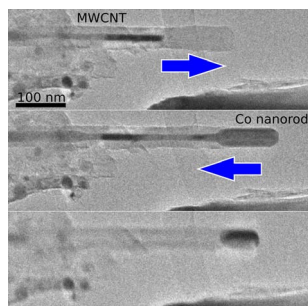
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Laser writing of metal-oxide doped graphene films for tunable sensor applications

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

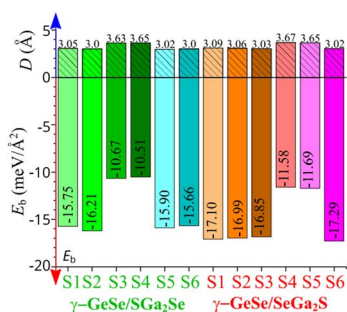
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Shogo Matsuyama and Hideo Kohno*

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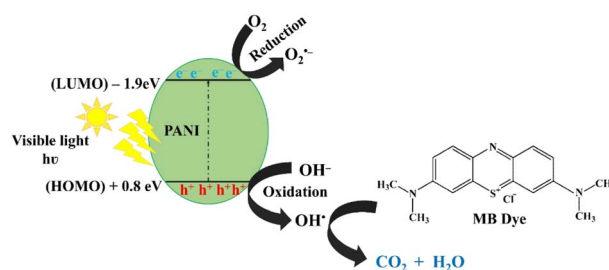
Nguyen V. Vinh, D. V. Lu and K. D. Pham*



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

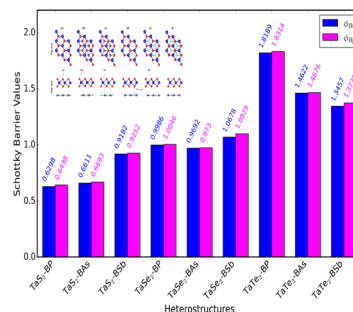
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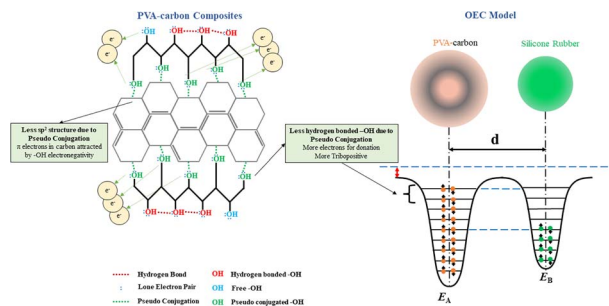
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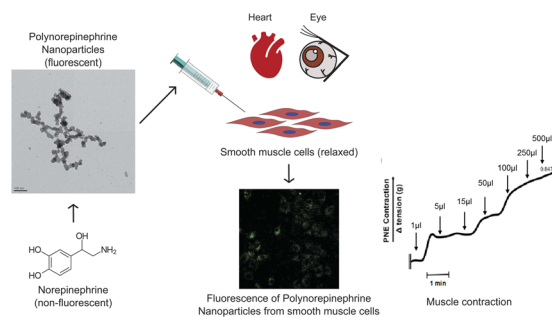
Jian Ye Cheong, Jason Soon Chye Koay, Sanjeev Raj Gopal, Thamil Selvi Velayutham* and Wee Chen Gan*



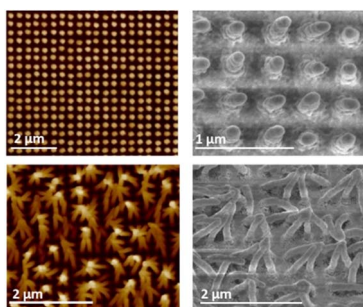
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Polynorepinephrine nanoparticles activate vascular smooth muscle alpha-1 adrenergic receptors

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



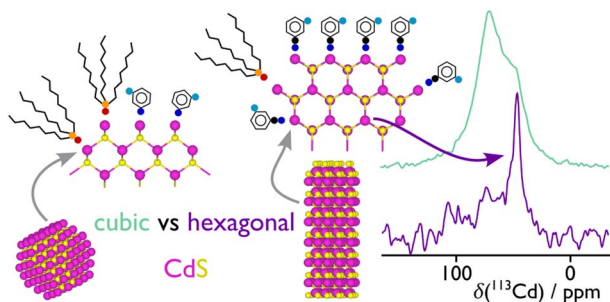
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Toward nanofabrication of SERS substrates with two-photon polymerization

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

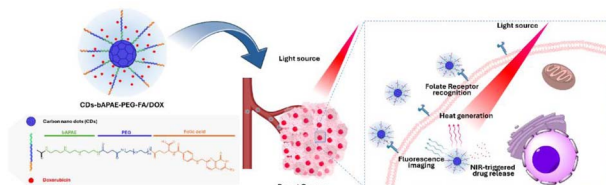
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Mark A. Buckingham, Robert Crawford, Yi Li, Ran Eitan Abutbul, Bing Han, Kerry Hazledine, Sarah Cartmell, Alex Walton, Alex S. Eggeman, David J. Lewis^{*} and Daniel Lee^{*}

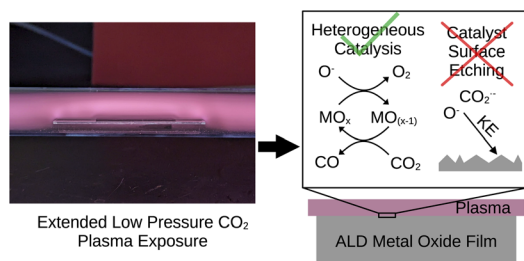
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Paola Varvar , Nicol  Mauro^{*} and Gennara Cavallaro

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



