

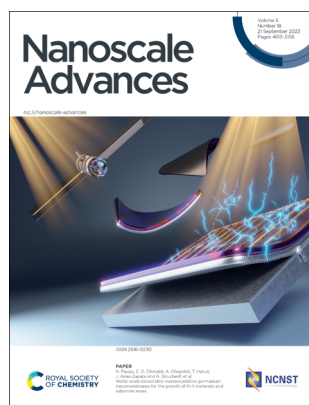
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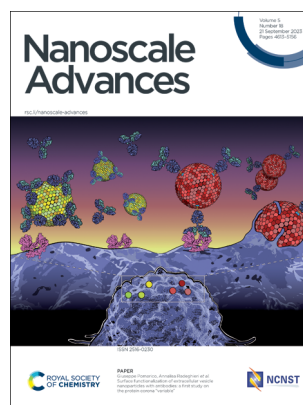
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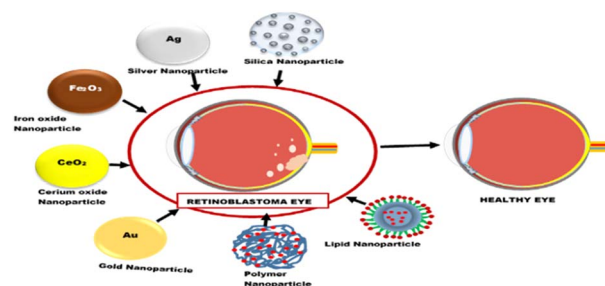
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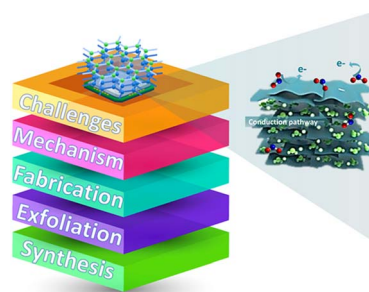
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Sithara Radhakrishnan and Chandra Sekhar Rout*



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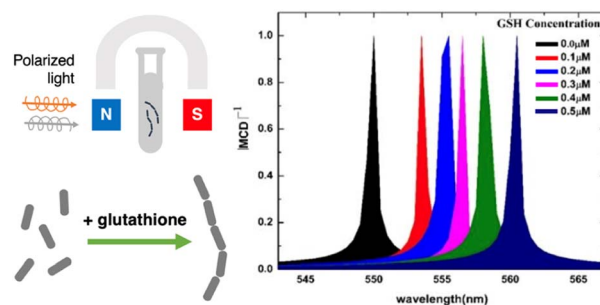
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Magnetoplasmonic gold nanorods for the sensitive and label-free detection of glutathione

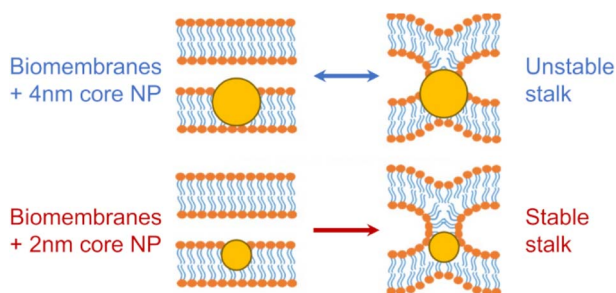
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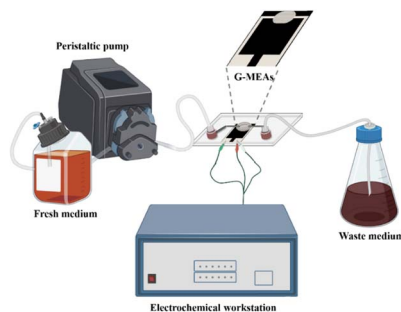
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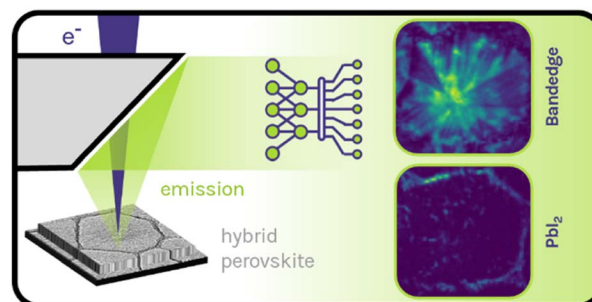
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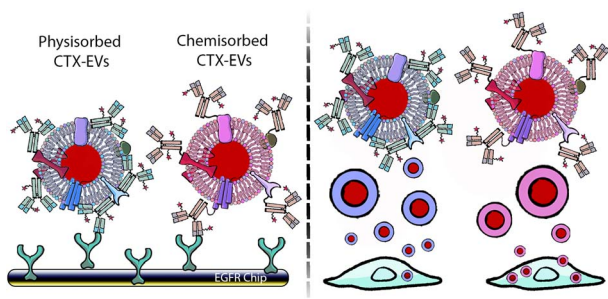
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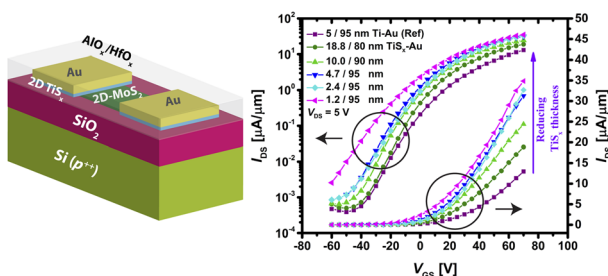
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Surface functionalization of extracellular vesicle nanoparticles with antibodies: a first study on the protein corona "variable"

Angelo Musicò, Rossella Zenatelli, Miriam Romano, Andrea Zandrini, Silvia Alacqua, Selene Tassoni, Lucia Paolini, Chiara Urbinati, Marco Rusnati, Paolo Bergese, Giuseppe Pomarico* and Annalisa Radeghieri*

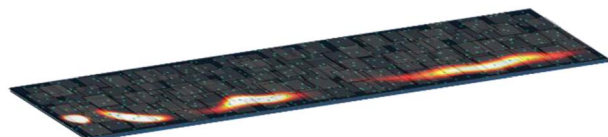
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ALD-grown two-dimensional TiS_x metal contacts for MoS_2 field-effect transistors

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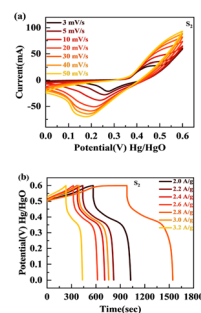
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Synergistic redox enhancement: silver phosphate augmentation for optimizing magnesium copper phosphate in efficient energy storage devices and oxygen evolution reaction

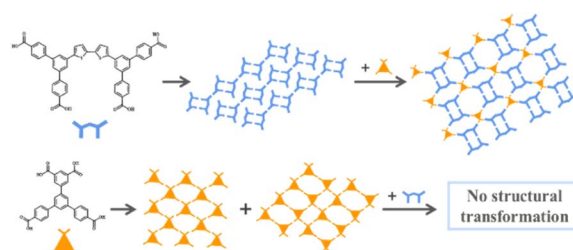
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Two-dimensional self-assembly and co-assembly of two tetracarboxylic acid derivatives investigated by STM

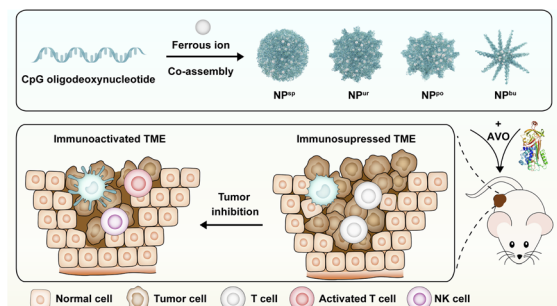
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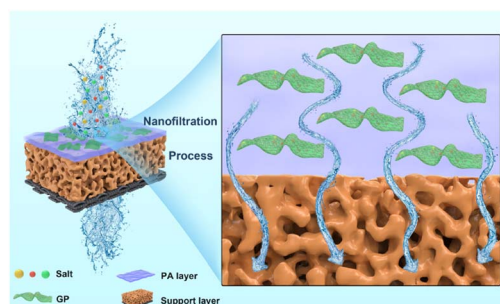
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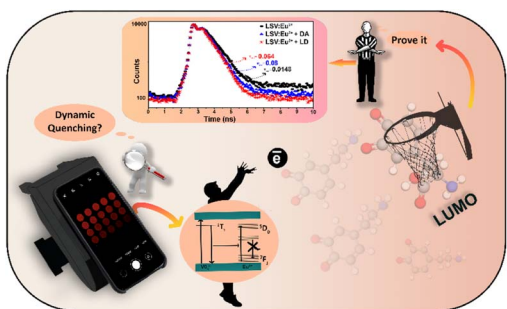
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Regulating the thickness of nanofiltration membranes for efficient water purification

Ke Tang, LinSheng Zhu, Piao Lan, YunQiang Chen, Zhou Chen,* Yihong Lan and WeiGuang Lan*



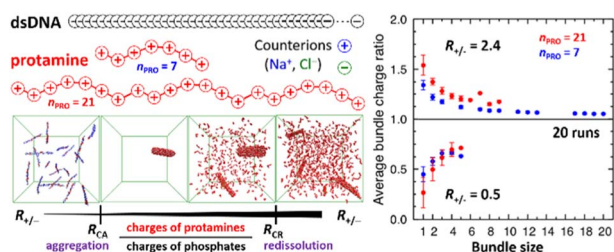
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A bacterial cellulose-based $\text{LiSrVO}_4:\text{Eu}^{3+}$ nanosensor platform for smartphone sensing of levodopa and dopamine: point-of-care diagnosis of Parkinson's disease

Mohammad Mahdavi, Hamid Emadi* and Seyed Reza Nabavi

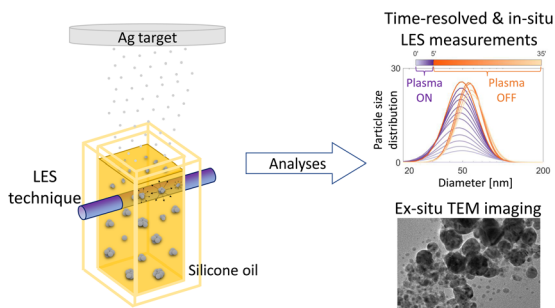
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DNA-protamine condensates under low salt conditions: molecular dynamics simulation with a simple coarse-grained model focusing on electrostatic interactions

Yun Hee Jang,* Eric Raspaud and Yves Lansac*

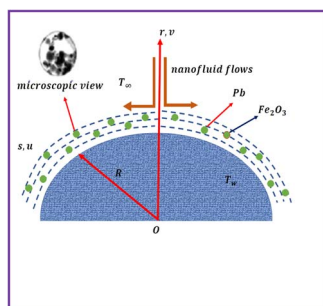
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Time-resolved *in situ* nanoparticle size evolution during magnetron sputtering onto liquids

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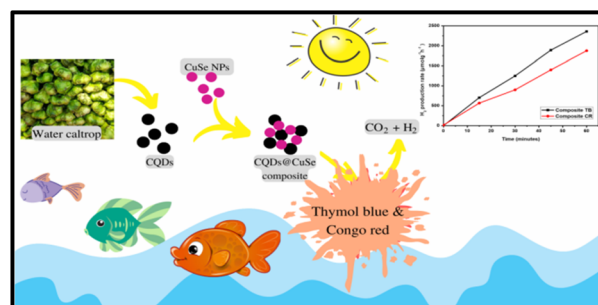
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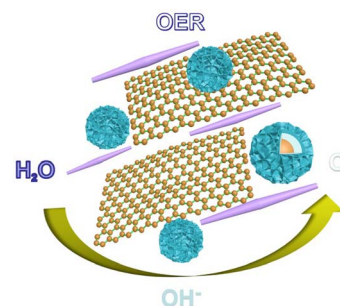
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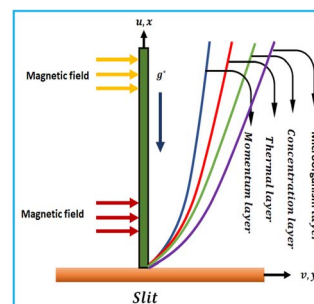
Li Ye, Pengcheng Zhu, Tianxing Wang, Xiaolei Li and Lin Zhuang*



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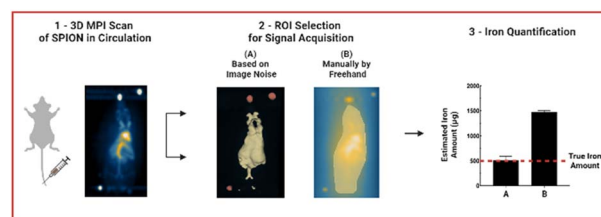
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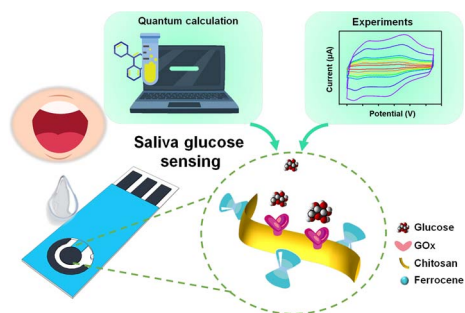
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Progress in magnetic particle imaging signal and iron quantification methods *in vivo* – application to long circulating SPIONs

Jurie Tashkandi, Robert Brkljača and Karen Alt*



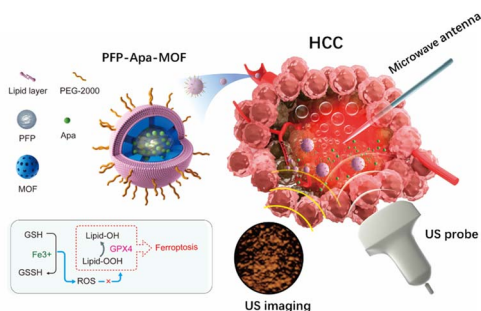
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Dipole moment as the underlying mechanism for enhancing the immobilization of glucose oxidase by ferrocene-chitosan for superior specificity non-invasive glucose sensing

Jo-Han Ting, Po-Chuan Lin, Shivam Gupta, Ching-Hao Liu, Tzuhsiung Yang, Chi-Young Lee, Yi-Ting Lai* and Nyan-Hwa Tai*

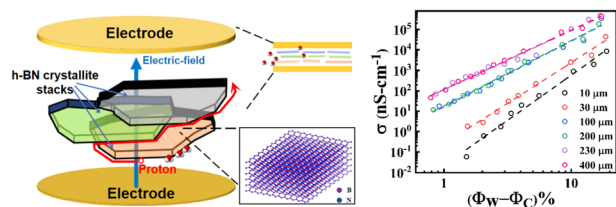
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Dongyun Zhang, Yixuan Zhang, Yanchun Luo, Erpeng Qi, Jie Yu* and Ping Liang*

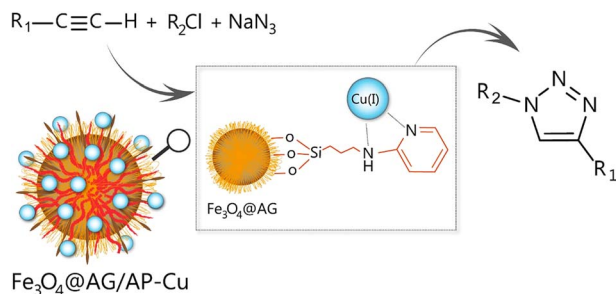
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Percolative proton transport in hexagonal boron nitride membranes with edge-functionalization

Anjan Das, Vikas Yadav, C. V. Krishnamurthy* and Manu Jaiswal*

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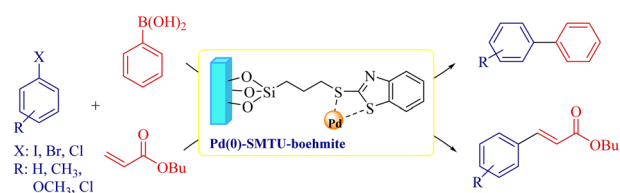
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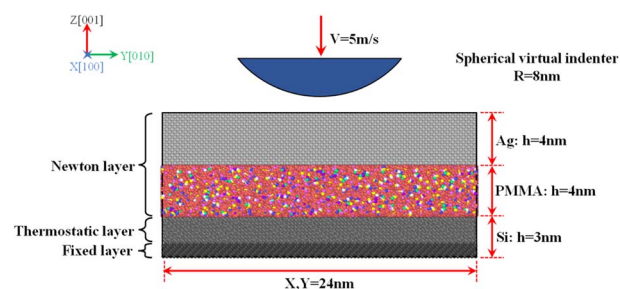
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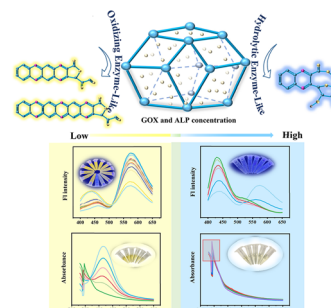
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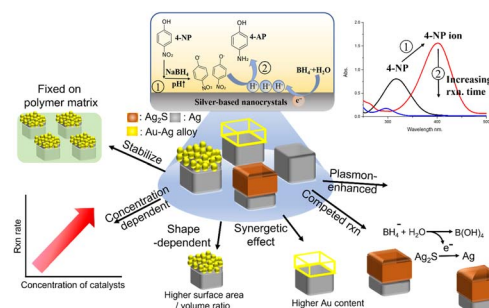
Guo-Ying Chen, Mao-Ling Luo, Li Chen, Tong-Qing Chai,
Jia-Li Wang, Ling-Xiao Chen and Feng-Qing Yang^{*}



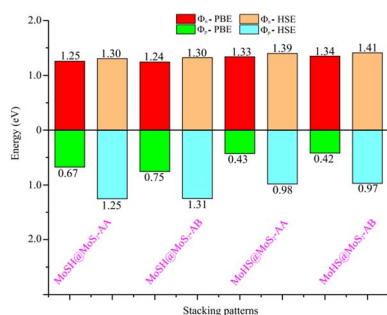
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Effect of morphologies and compositions of silver-based multicomponent heterogeneous nanocrystals on the reduction of 4-nitrophenol

Ming-Shiuan Huang, Hsien-Tai Cheng and Su-Wen Hsu^{*}



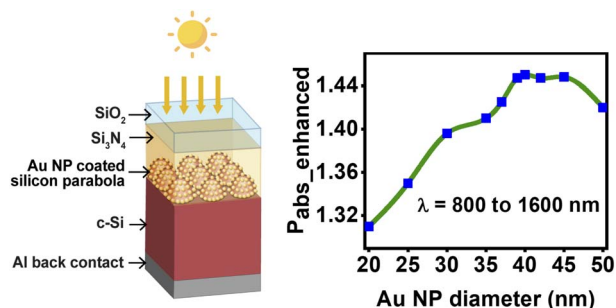
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First-principles investigations of metal–semiconductor MoSH@MoS₂ van der Waals heterostructures

Son-Tung Nguyen, Cuong Q. Nguyen,* Nguyen N. Hieu, Huynh V. Phuc and Chuong V. Nguyen

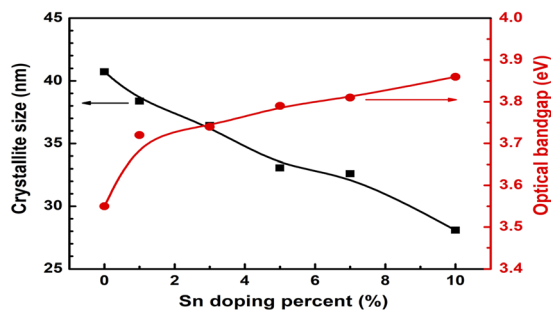
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Plasmon-enhanced parabolic nanostructures for broadband absorption in ultra-thin crystalline Si solar cells

Yeasin Arafat Pritom, Dipayon Kumar Sikder, Sameia Zaman and Mainul Hossain*

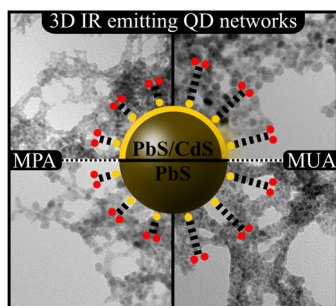
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Influence of Sn doping on the optoelectronic properties of ZnO nanoparticles

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Optical properties of NIR photoluminescent PbS nanocrystal-based three-dimensional networks

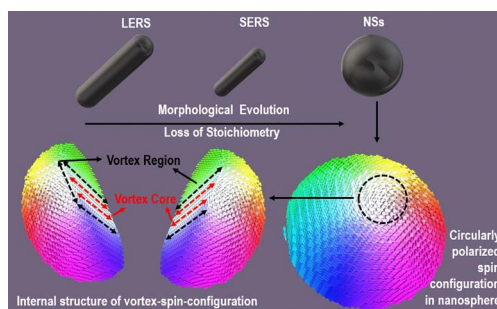
Denis Pluta, Henning Kuper, Rebecca T. Graf, Christoph Wesemann, Pascal Rusch, Joerg August Becker and Nadja C. Bigall*



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Observation of magnetic vortex configuration in non-stoichiometric Fe_3O_4 nanospheres

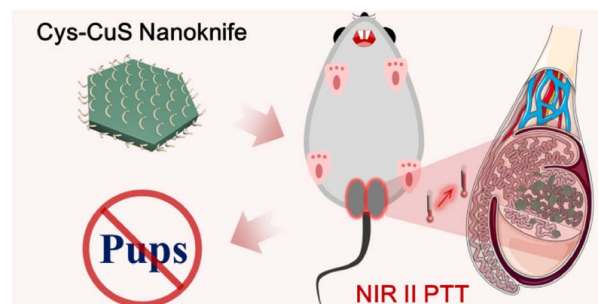
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5029

A biocompatible NIR-II light-responsive nanoknife for permanent male sterilization

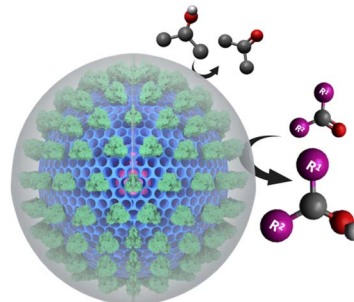
Haoyu Wang, Xiaomeng Yue, Huanhuan Wu, Yeda Wan, Yujie Tong, Yang Zhao, Yijun Li and Jinbin Pan*



5036

Nanobiocatalysts with inbuilt cofactor recycling for oxidoreductase catalysis in organic solvents

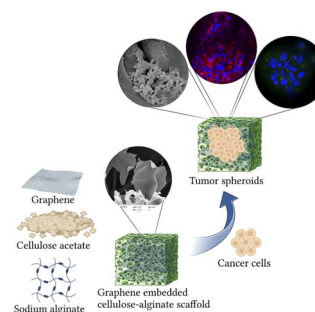
Jenny Sahlin, Congyu Wu, Andrea Buscemi, Claude Schärer, Seyed Amirabbas Nazemi, Rejaul S. K., Nataly Herrera-Reinoza, Thomas A. Jung and Patrick Shahgaldian*



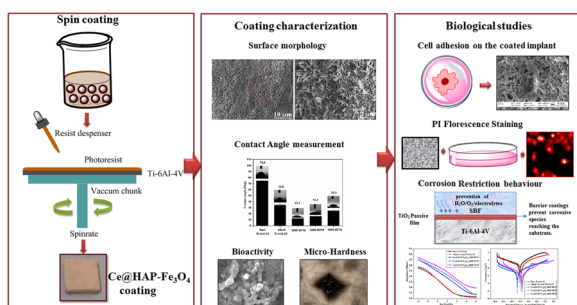
5045

Fabricating a low-temperature synthesized graphene-cellulose acetate-sodium alginate scaffold for the generation of ovarian cancer spheroid and its drug assessment

Pooja Suryavanshi, Yohaán Kudtarkar, Mangesh Chaudhari and Dhananjay Bodas*



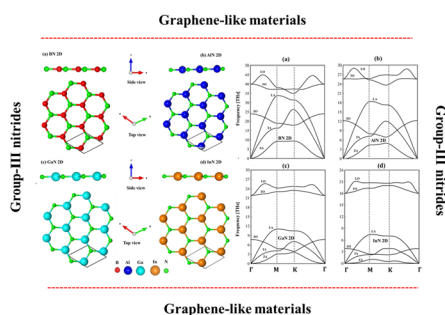
5054



In situ fabrication of cerium-incorporated hydroxyapatite/magnetite nanocomposite coatings with bone regeneration and osteosarcoma potential

B. Priyadarshini, Arul Xavier Stango, M. Balasubramanian and U. Vijayalakshmi*

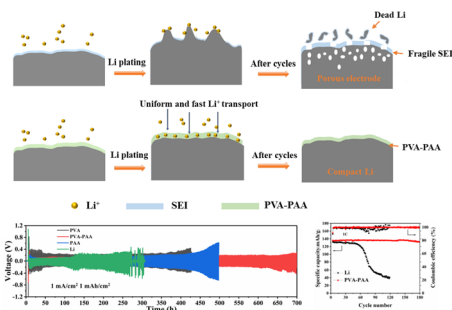
5077



Optical excitations of graphene-like materials: group III-nitrides

Nguyen Thi Han,* Vo Khuong Dien, Tay-Rong Chang* and Ming-Fa Lin

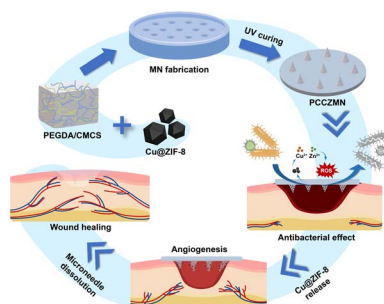
5094



A hybrid polymer protective layer with uniform Li⁺ flux and self-adaption enabling dendrite-free Li metal anodes

Chaohui We, Jinxiang Deng, Jianxiang Xing, Zihao Wang, Zhicui Song, Donghuan Wang, Jicheng Jiang, Xin Wang, Aijun Zhou, Wei Zou and Jingze Li*

5102



A Cu@ZIF-8 encapsulated antibacterial and angiogenic microneedle array for promoting wound healing

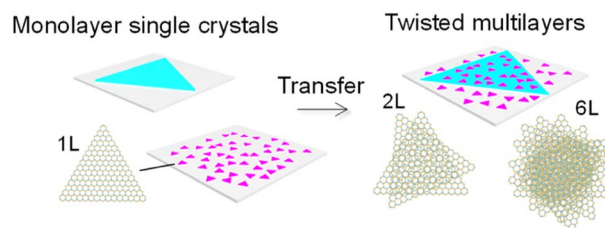
Jieyu Xiang, Yufan Zhu, Yuanlong Xie, Hang Chen, Ling Zhou, Danyang Chen, Jia Guo, Min Wang,* Lin Cai* and Liang Guo*



5115

High-throughput dry transfer and excitonic properties of twisted bilayers based on CVD-grown transition metal dichalcogenides

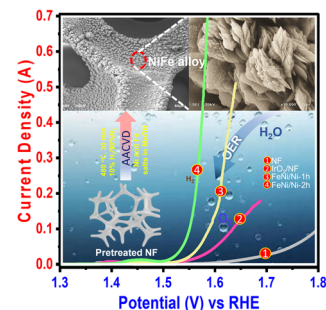
Hibiki Naito, Yasuyuki Makino, Wenjin Zhang,*
Tomoya Ogawa, Takahiko Endo, Takumi Sannomiya,
Masahiko Kaneda, Kazuki Hashimoto, Hong En Lim,
Yusuke Nakanishi, Kenji Watanabe, Takashi Taniguchi,
Kazunari Matsuda and Yasumitsu Miyata*



5122

Facile deposition of FeNi/Ni hybrid nanoflower electrocatalysts for effective and sustained water oxidation

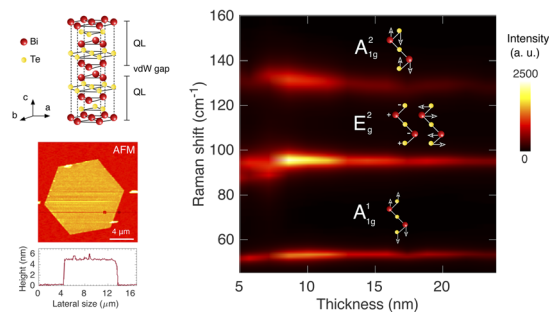
Muhammad Ali Ehsan, Abuzar Khan,* Munzir H. Suliman
and Mohamed Javid



5131

Raman spectroscopy of a few layers of bismuth telluride nanoplatelets

Victor Carozo,* Bruno R. Carvalho, Syed Hamza Safeer,
Leandro Seixas, Pedro Venezuela and Mauricio Terrones



5137

Microwave synthesis of antimony oxide graphene nanoparticles – a new electrode material for supercapacitors

Precious Ekwere,* Miranda Ndipingwi, Christopher Nolly,
Chinwe Ikpo and Emmanuel Iwuoha*

