

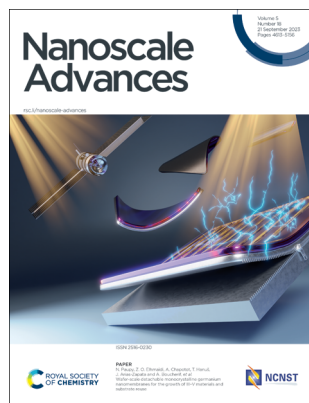
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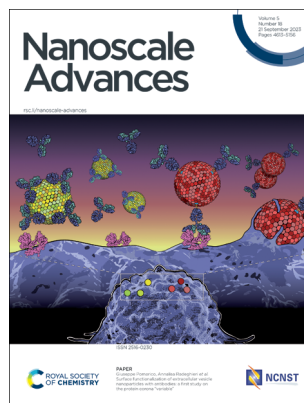
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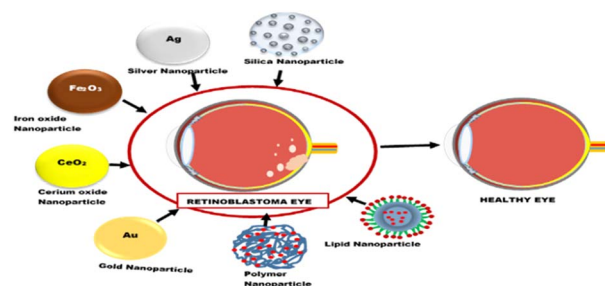
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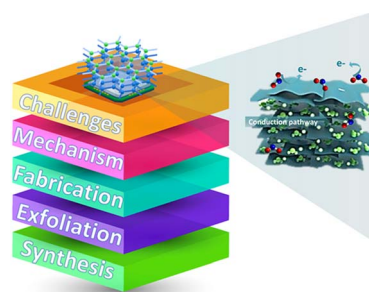
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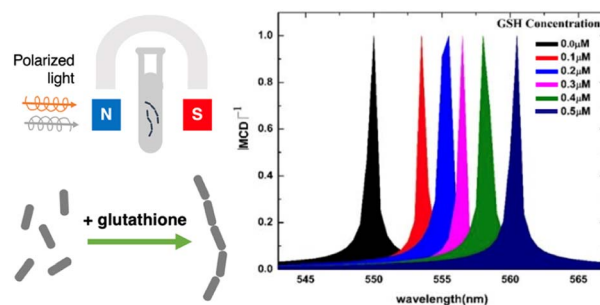
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### Magnetoplasmonic gold nanorods for the sensitive and label-free detection of glutathione

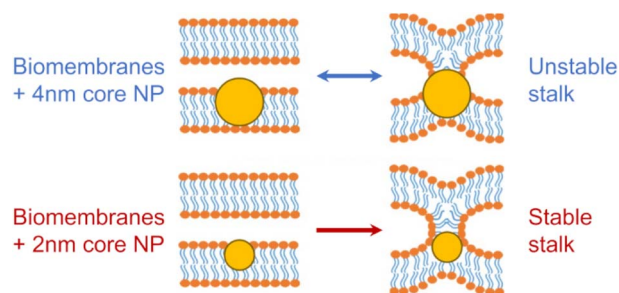
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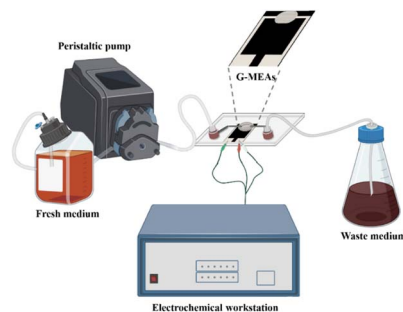
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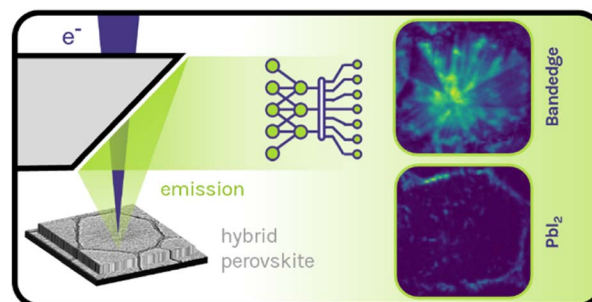
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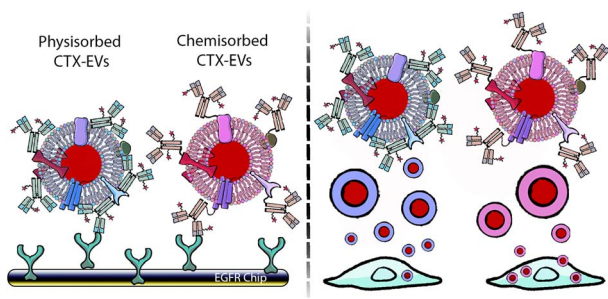
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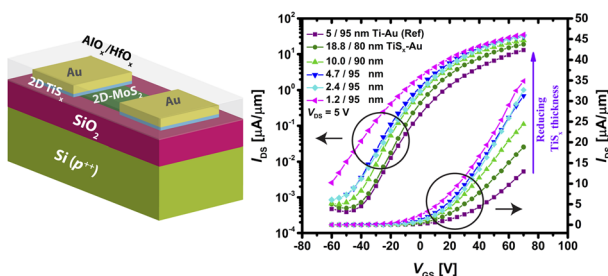
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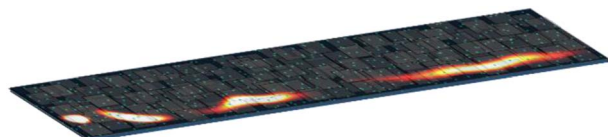
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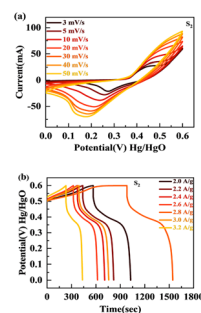
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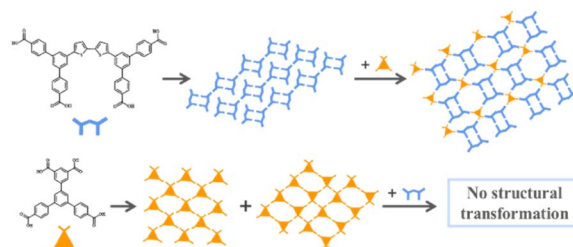
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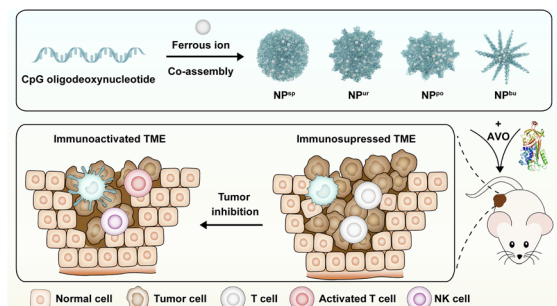
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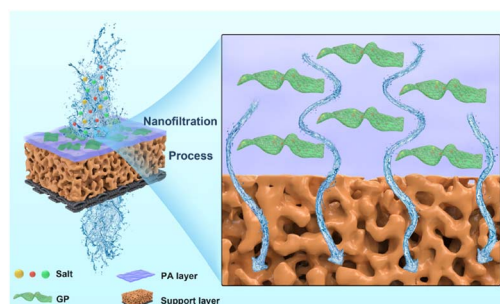
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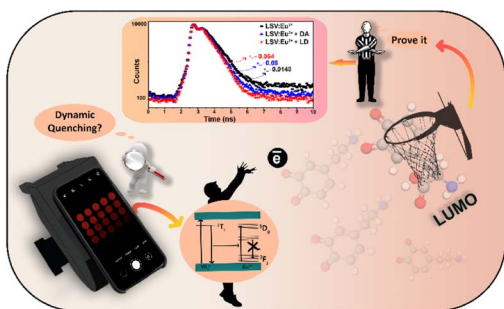
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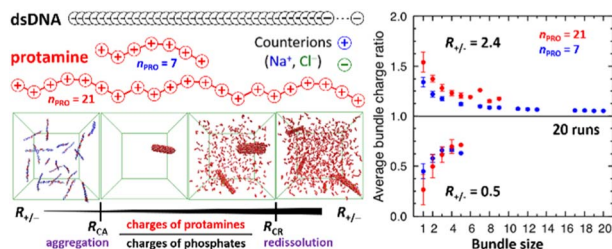
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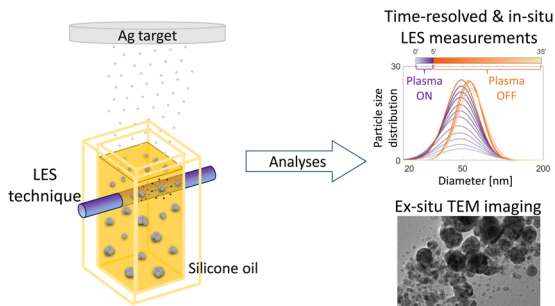
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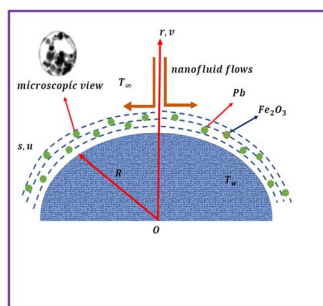
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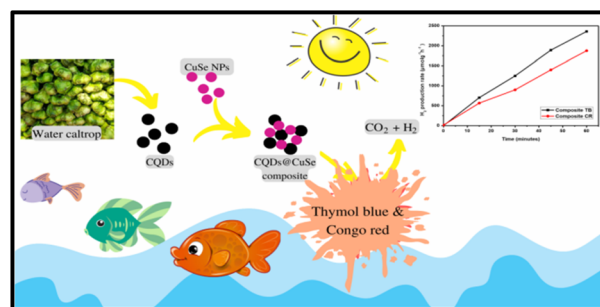
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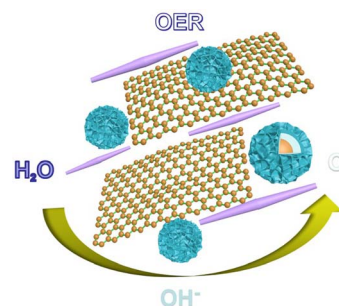
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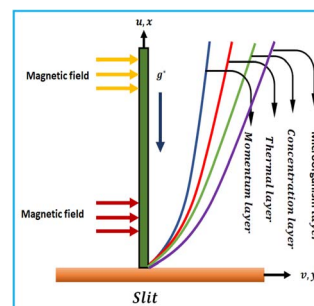
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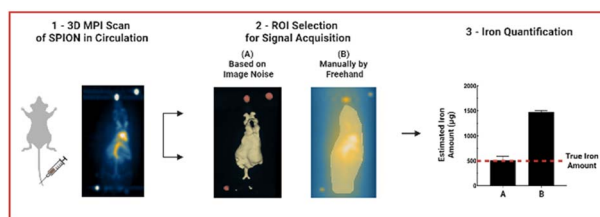
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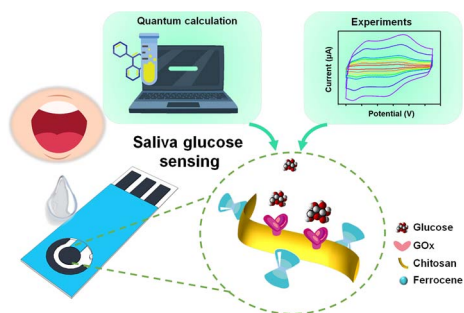
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Jurie Tashkandi, Robert Brkljača and Karen Alt\*



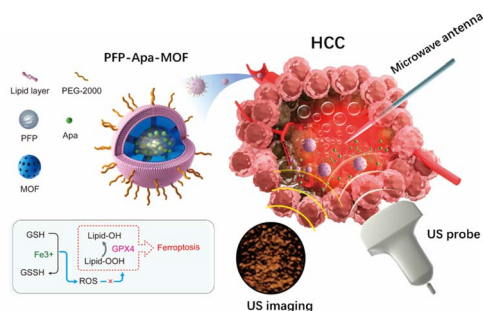
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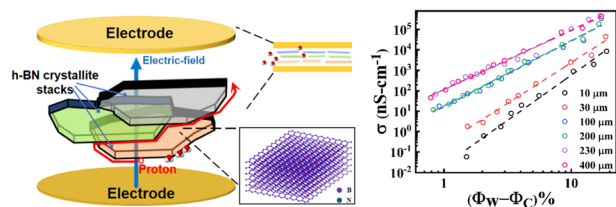
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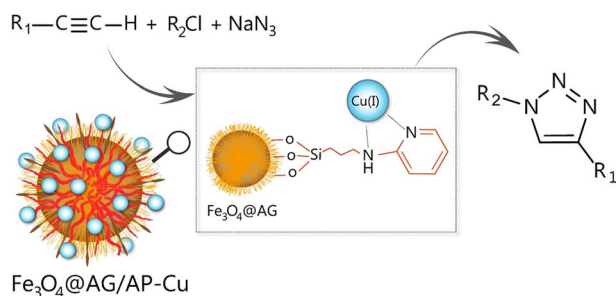
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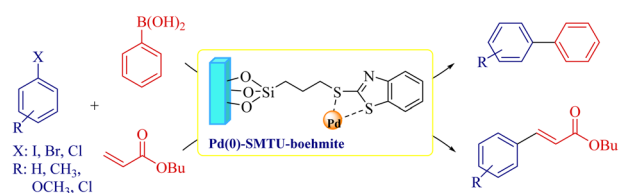




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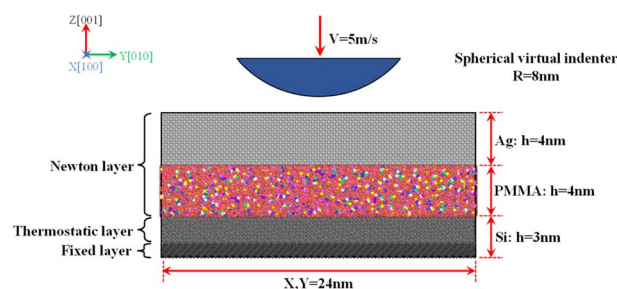
Zahra Hajighasemi, Ali Nahipour,<sup>\*</sup>  
Arash Ghorbani-Choghamarani<sup>\*</sup> and Zahrra Taherinia



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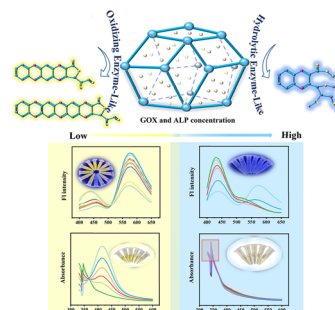
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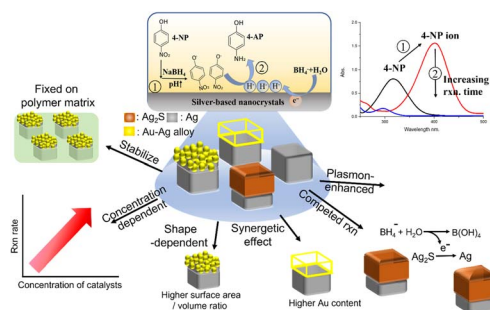
Guo-Ying Chen, Mao-Ling Luo, Li Chen, Tong-Qing Chai,  
Jia-Li Wang, Ling-Xiao Chen and Feng-Qing Yang<sup>\*</sup>



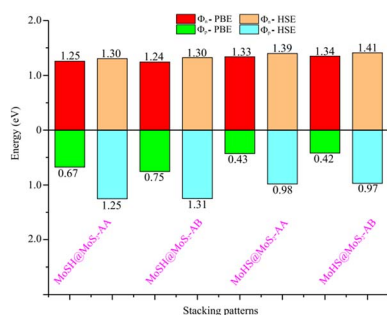
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Ming-Shiuan Huang, Hsien-Tai Cheng and Su-Wen Hsu<sup>\*</sup>



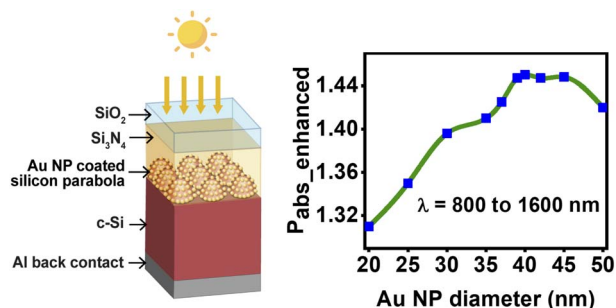
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Son-Tung Nguyen, Cuong Q. Nguyen,\* Nguyen N. Hieu, Huynh V. Phuc and Chuong V. Nguyen

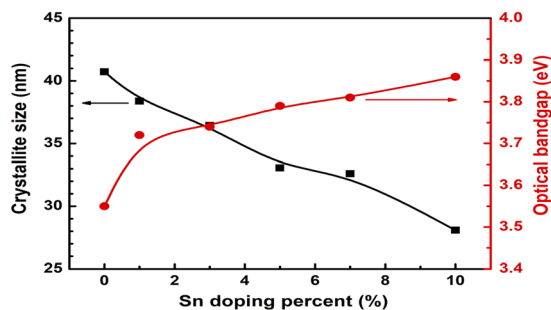
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Yeasin Arafat Pritom, Dipayon Kumar Sikder, Sameia Zaman and Mainul Hossain\*

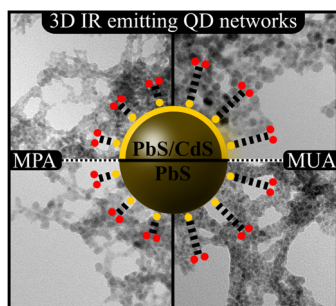
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5005



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

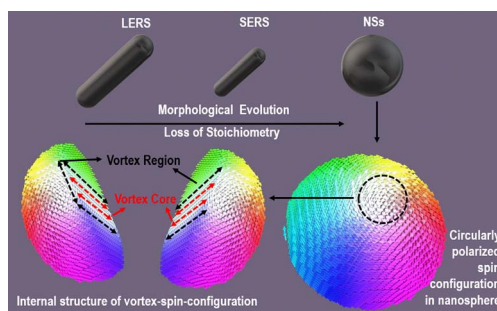
Denis Pluta, Henning Kuper, Rebecca T. Graf, Christoph Wesemann, Pascal Rusch, Joerg August Becker and Nadja C. Bigall\*



5015

### Observation of magnetic vortex configuration in non-stoichiometric $\text{Fe}_3\text{O}_4$ nanospheres

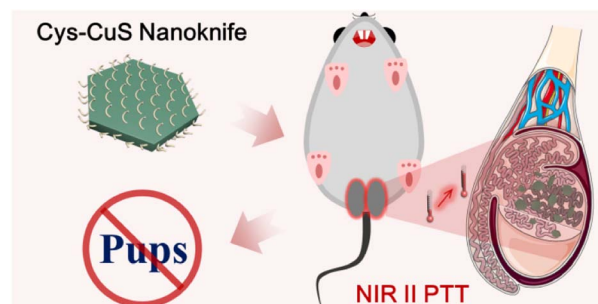
Gopal Niraula, Denilson Toneto, Gerardo F. Goya, Giorgio Zoppellaro, Jose A. H. Coaquira, Diego Muraca, Juliano C. Denardin,\* Trevor P. Almeida, Marcelo Knobel, Ahmad I. Ayesah\* and Surender K. Sharma\*



5029

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

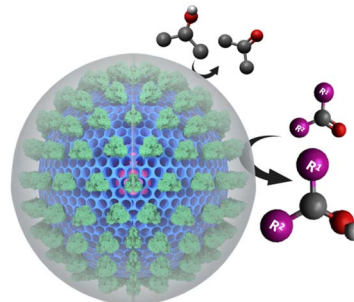
Haoyu Wang, Xiaomeng Yue, Huanhuan Wu, Yeda Wan, Yujie Tong, Yang Zhao, Yijun Li and Jinbin Pan\*



5036

### Nanobiocatalysts with inbuilt cofactor recycling for oxidoreductase catalysis in organic solvents

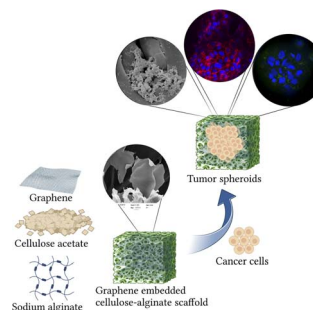
Jenny Sahlin, Congyu Wu, Andrea Buscemi, Claude Schärer, Seyed Amirabbas Nazemi, Rejaul S. K., Nataly Herrera-Reinoza, Thomas A. Jung and Patrick Shahgaldian\*



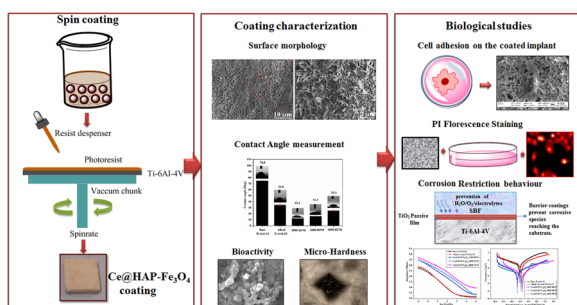
5045

### 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\*



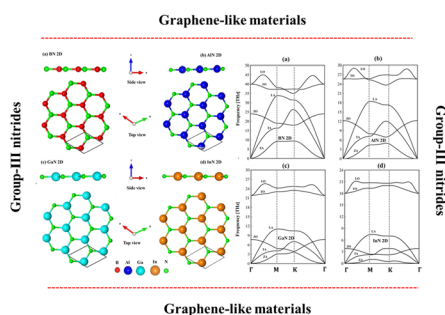
5054



### *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\*

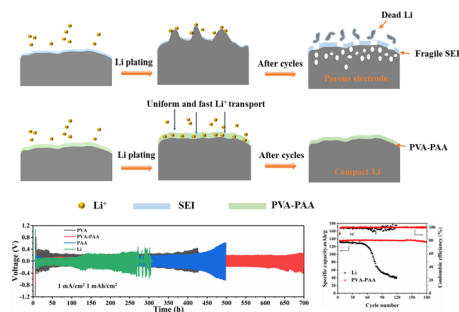
5077



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

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

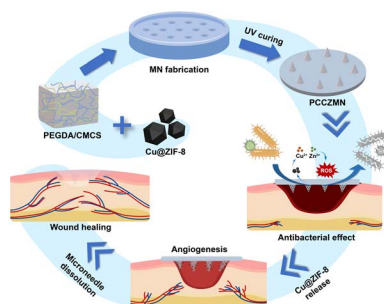
5094



### A hybrid polymer protective layer with uniform Li<sup>+</sup> 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\*

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

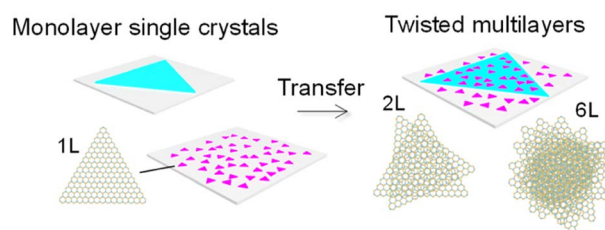
Jieyu Xiang, Yufan Zhu, Yuanlong Xie, Hang Chen, Ling Zhou, Danyang Chen, Jia Guo, Min Wang,\* Lin Cai\* and Liang Guo\*



5115

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

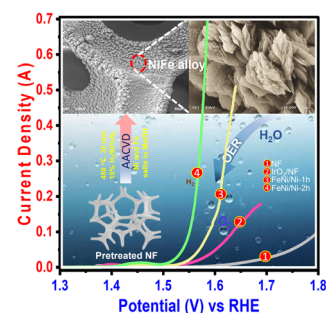
Hibiki Naito, Yasuyuki Makino, Wenjin Zhang,\*  
Tomoya Ogawa, Takahiko Endo, Takumi Sannomiya,  
Masahiko Kaneda, Kazuki Hashimoto, Hong En Lim,  
Yusuke Nakanishi, Kenji Watanabe, Takashi Taniguchi,  
Kazunari Matsuda and Yasumitsu Miyata\*



5122

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

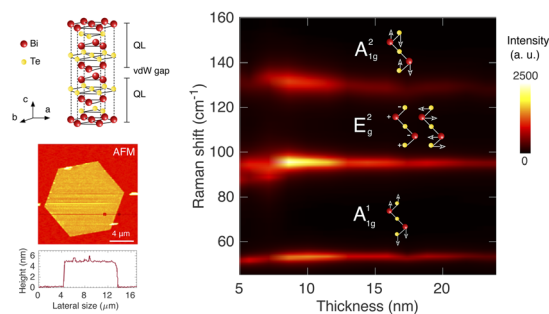
Muhammad Ali Ehsan, Abuzar Khan,\* Munzir H. Suliman  
and Mohamed Javid



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\*

