

# Nanoscale Advances

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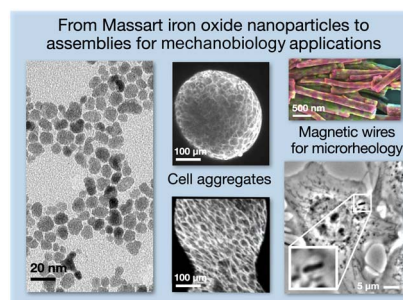
**Cover**  
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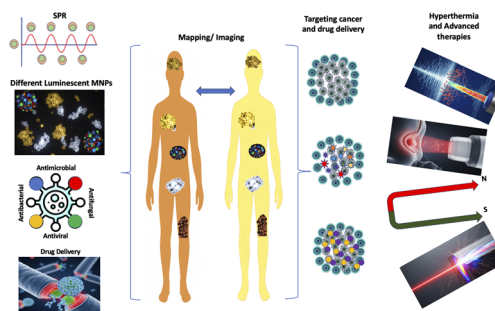
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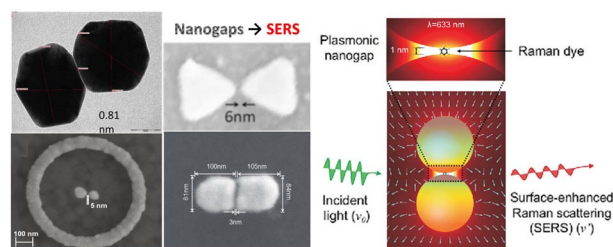
Fundamental questions  
Elemental answers

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

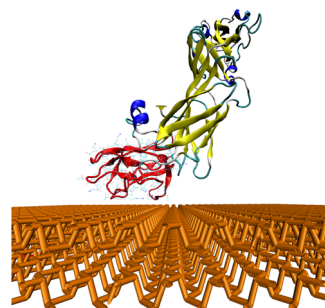


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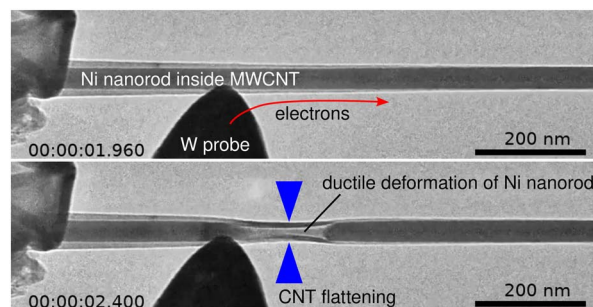
Alessia Papalini and Giorgia Brancolini\*



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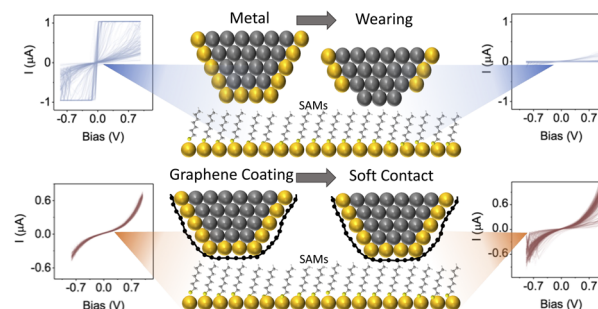
Ren Yasuoka and Hideo Kohno\*



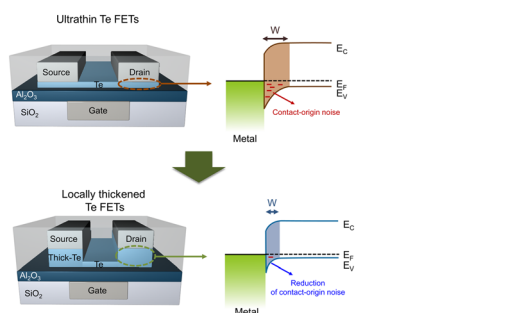
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Xintai Wang, Angelo Lamantia, Becky Penhale-Jones, Nema Abdelazim, Oleg V. Kolosov and Benjamin J. Robinson\*



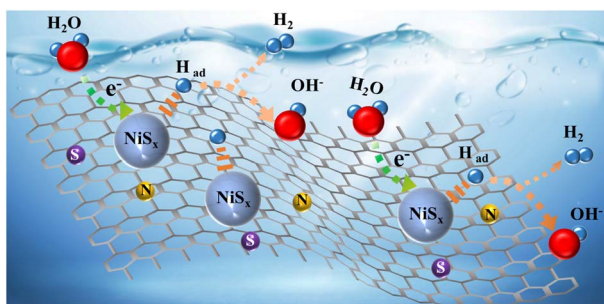
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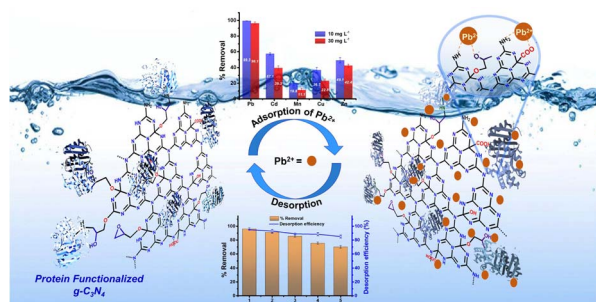
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Yuting Li, Juan Wang\* and Qin Zhong\*

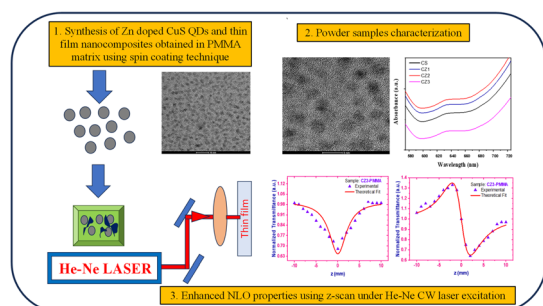
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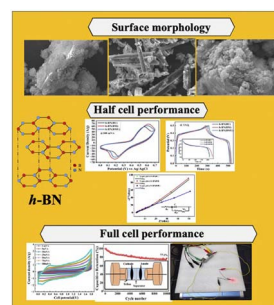
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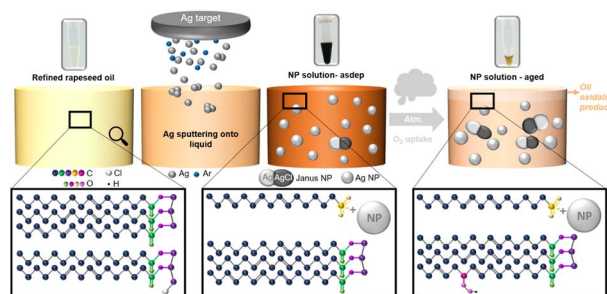
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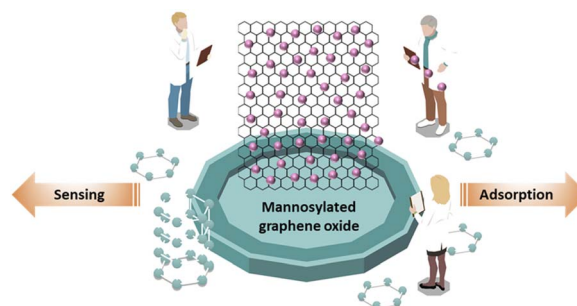
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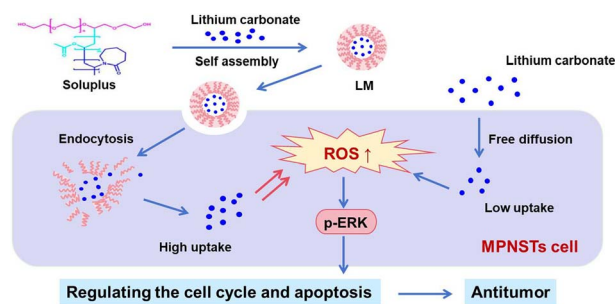
Archana P. K., Vidhya C. Valsalakumar, Suni Vasudevan and Unnikrishnan Gopalakrishna Panicker\*



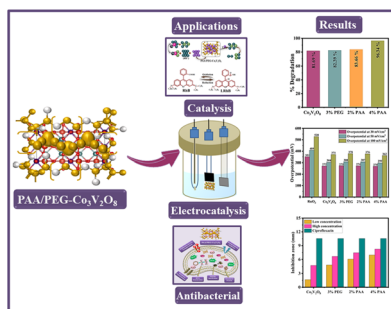
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### Lithium carbonate-loaded polymeric nano-micelles for enhanced antitumor activity against NF1-associated malignant peripheral nerve sheath tumors via improved cellular uptake

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



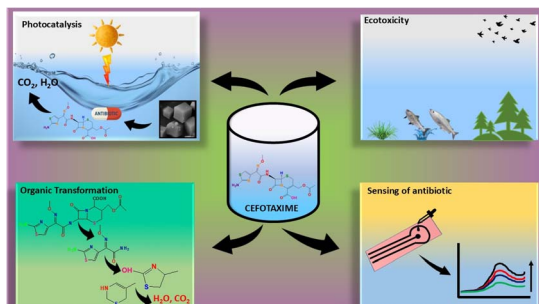
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### Multifunctional PAA- and PEG-modified $\text{Co}_3\text{V}_2\text{O}_8$ nanoparticles for enhanced RhB degradation, OER activity, and antibacterial activity: experimental validation and computational insight

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

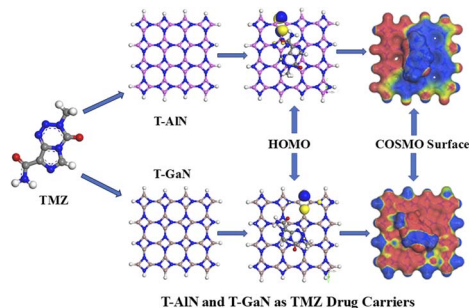
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Monalisa Samal, Dakshita Snud Sharma, Dharitri Rath, Jagannath Panda, P. Ganga Raju Achary and Binita Nanda\*

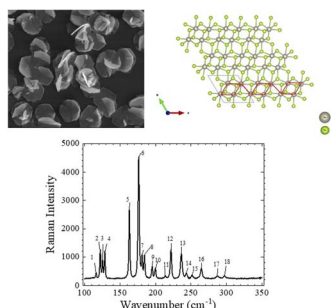
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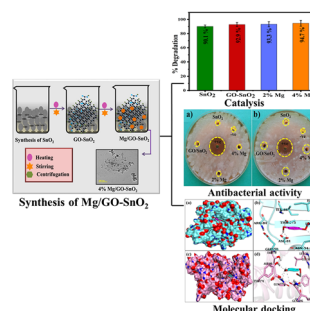
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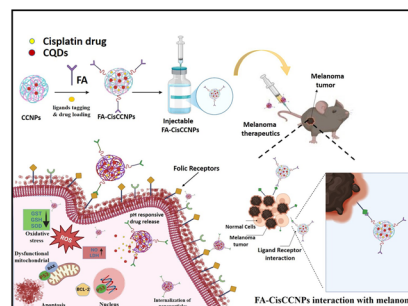
Eman Rai, Muhammad Imran,\* Iram Shahzadi, Ali Haider,\* Sawaira Moeen, Anwar Ul-Hamid, I Boukhris and Muhammad Ikram\*



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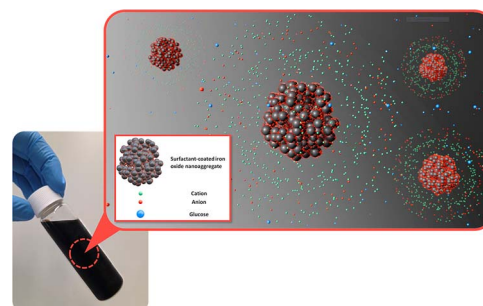
Saurabh Kumar Srivastava, Monika Yadav, Priyanka Singh, Shikha Tripathi, Anita Kamra Verma\* and Avanish Singh Parmar\*



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

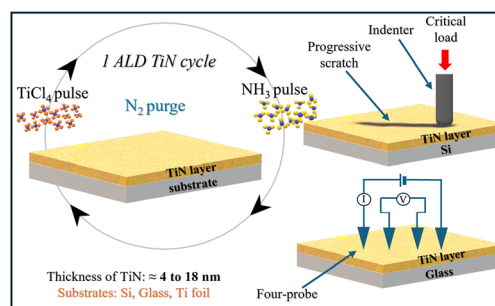
Théo Lucante, Anne Carton, Jan Niklas Schmidt, Céline Kiefer, Philippe Choquet, Ariane Zaloszcyc and Sylvie Bégin-Colin\*

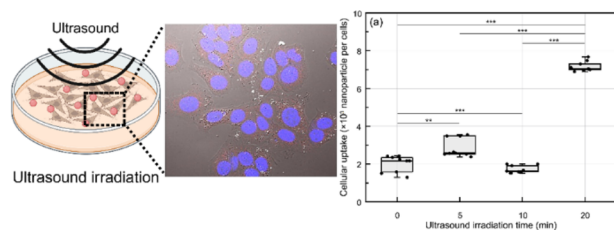


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Jiwon Kim, Chaewon Bae, Rodrigo Hernández Millares, Taeyun Kim, Yejin Lee, Kangwon Lee and Sung-Joon Ye\*

