

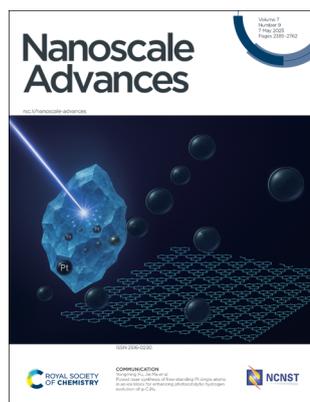
# Nanoscale Advances

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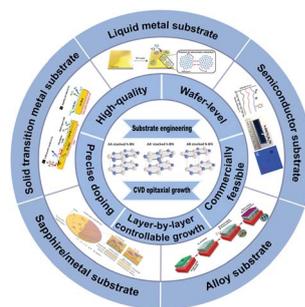
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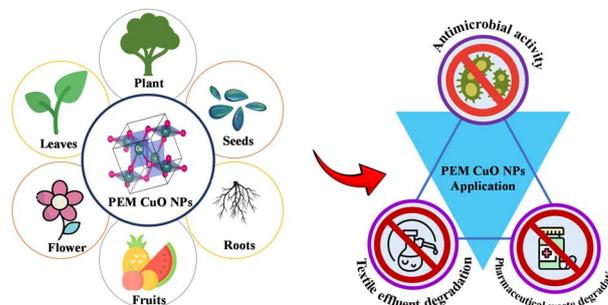
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Mashrafi Bin Mobarak\*, MD. Foyzal Sikder, Khandakar Sidratul Muntaha, Shariful Islam, S. M. Fazle Rabbi and Fariha Chowdhury\*



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## REVIEWS

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Israt Jahan Lithi, Kazi Imtiaz Ahmed Nakib, A. M. Sarwaruddin Chowdhury and Md. Sahadat Hossain\*

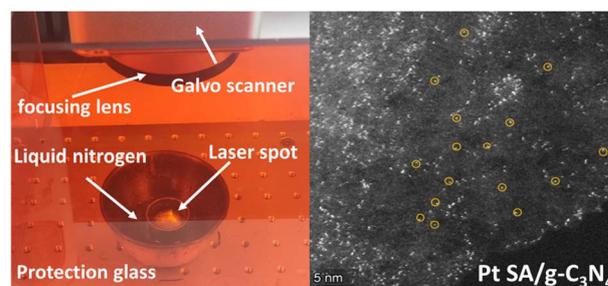


## COMMUNICATION

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### Pulsed laser synthesis of free-standing Pt single atoms in an ice block for enhancing photocatalytic hydrogen evolution of g-C<sub>3</sub>N<sub>4</sub>

Yongming Fu,\* Qianyu Lu, Jianhong Wang, Na Sun, Jinjun Gao, Peng Chen, Jizhou Wu and Jie Ma\*

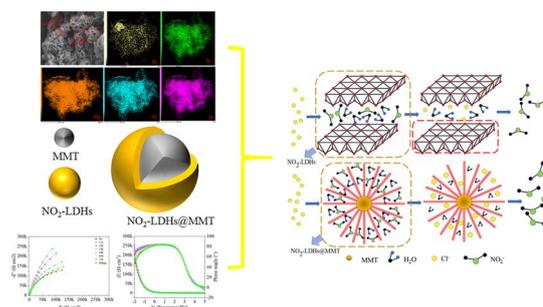


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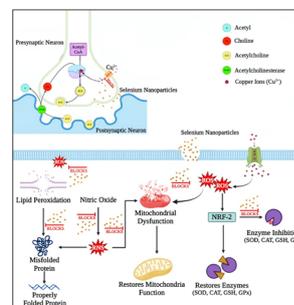
Xiaoyi Zhang,\* Binxin Gan, Chen Wu,\* Guoliang Lin, Shenglan Ma, Yongbin Ye, Wanxi Jiang and Wenjin Huang



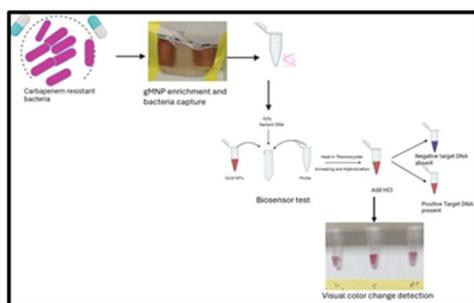
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### Glucose reduced nano-Se mitigates Cu-induced ROS by upregulating antioxidant genes in zebrafish larvae

Suganiya Umapathy and Ileshita Pan\*



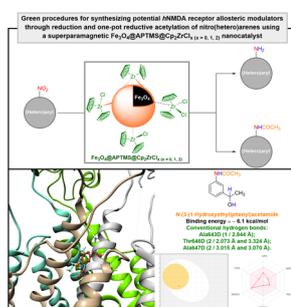
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### Genomic nano-biosensor for rapid detection of the carbapenem-resistant gene *bla*<sub>NDM-1</sub> in carbapenemase-producing bacteria

Regina Kemunto Mayaka and Evangelyn C. Alcocilja\*

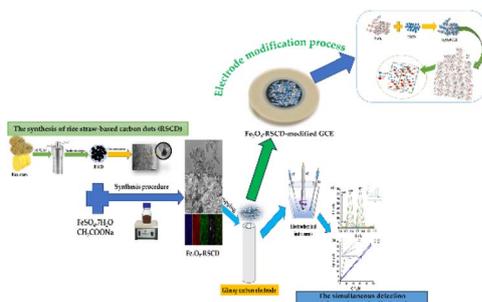
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### Green procedures for synthesizing potential *h*NMDA receptor allosteric modulators through reduction and one-pot reductive acetylation of nitro(hetero)arenes using a superparamagnetic $\text{Fe}_3\text{O}_4\text{@APTMS@Cp}_2\text{ZrCl}_x$ ( $x = 0, 1, 2$ ) nanocatalyst

Hossein Mousavi,\* Behzad Zeynizadeh and Farhad Sepehraddin

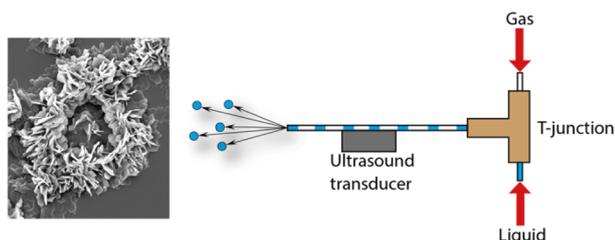
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Nguyen Van Hop, Nguyen Le My Linh, Vo Chau Ngoc Anh, Do Mai Nguyen\* and Tran Thanh Tam Toan\*

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### Microfluidic generation of nanoparticles using standing wave induced ultrasonic spray drying

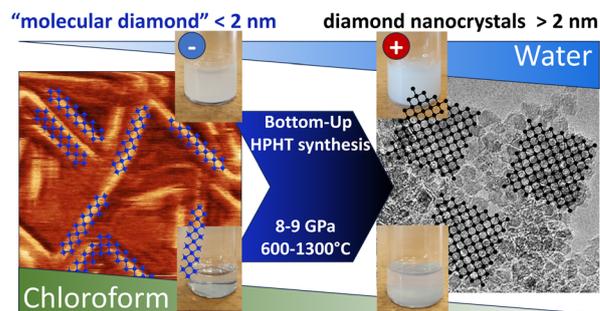
Holger Bolze, Keiran Mc Carogher and Simon Kuhn\*



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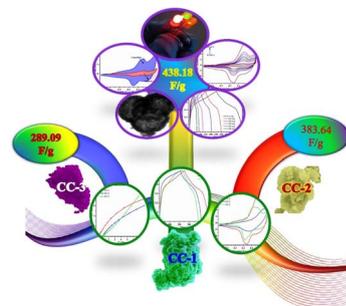
Stepan Stehlik,\* Petr Belsky, Tomas Kovarik, Zuzana Nemeckova, Jiri Henych, Egor Ukraintsev, Ales Vlk, Martin Ledinsky and Evgeny Ekimov



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Mohan Rao Tamtam, Rui Wang, Ravindranadh Koutavarapu, Gyu Sang Choi,\* Jaesool Shim,\* Nguyen To Hoai\* and Nam Nguyen Dang



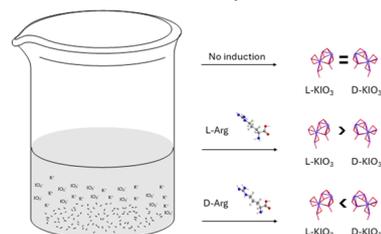
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Matan Oliel\* and Yitzhak Mastai

#### Chiral induction

Enantioselective crystallization



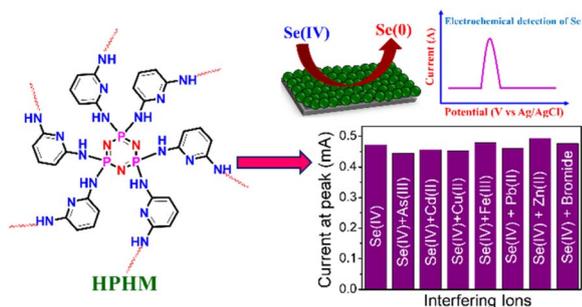
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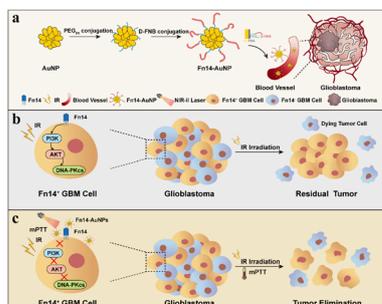
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### A nitrogen and phosphorus enriched inorganic–organic hybrid material for electrochemical detection of selenium(IV) ions

Arun Kumar, Prakriti Thakur, Nisha Dhiman, Sachin Balhara and Paritosh Mohanty\*

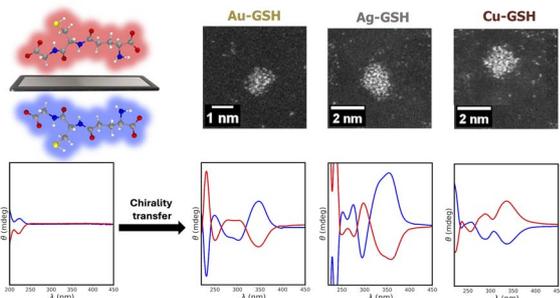
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### Fn14-targeting, NIR-II responsive nanomaterials for enhanced radiotherapy against glioblastomas

Wei Fu, Qing Liang, Yuxi Ma, Shiqiong Lei, Ruiqi Li, Xin Zheng, Lian Chen, Jiayuan Chen, Xing Cai, Xiaofang Dai, Hongwei Duan, Wenshan He\* and Jinghua Ren\*

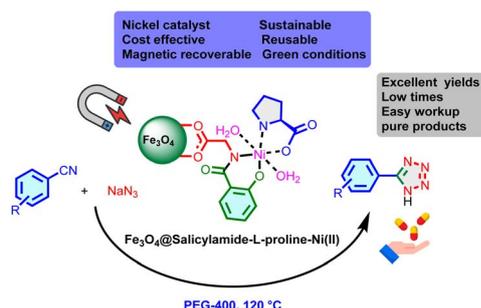
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### Nanomagnetic nickel complex based on salicylamide and L-proline ligands as an efficient heterogeneous catalyst for synthesis of tetrazoles

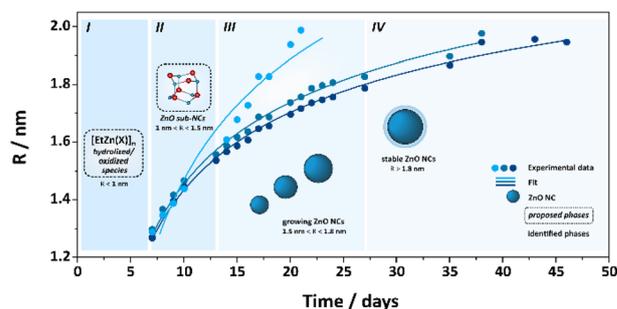
Chou-Yi Hsu, Ghusoon Faidhi Hameed, Irfan Ahmad, Abhinav Kumar,\* Subbulakshmi Ganesan, Aman Shankhyan, S. Sunitha and Rajashree Panigrahi



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## A new insight into the fabrication of colloidal isotropic ZnO nanocrystals by an organometallic approach

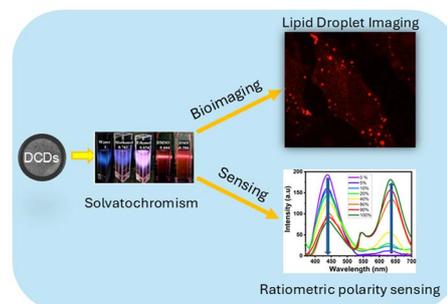
Anna Wojewódzka, Małgorzata Wolska-Pietkiewicz,\*  
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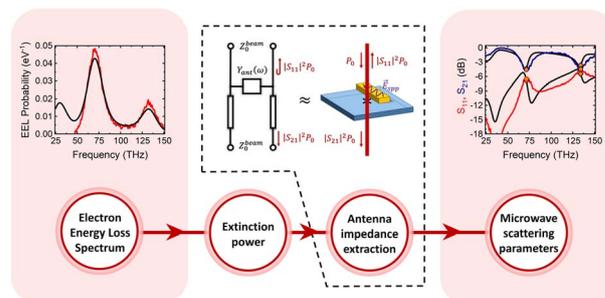
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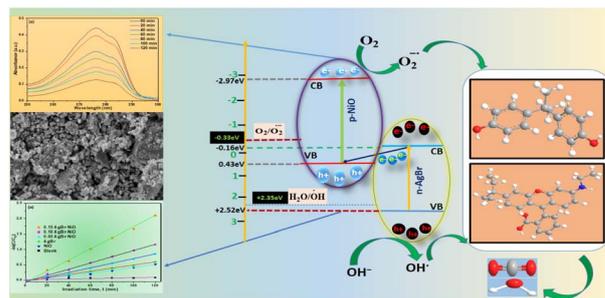
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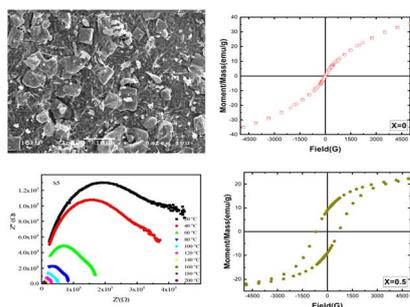
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Raad Felemban, Abdelrahman S. Khder and Saleh  
A. Ahmed\*



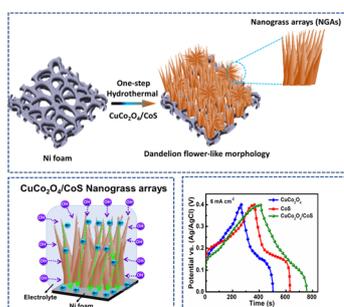
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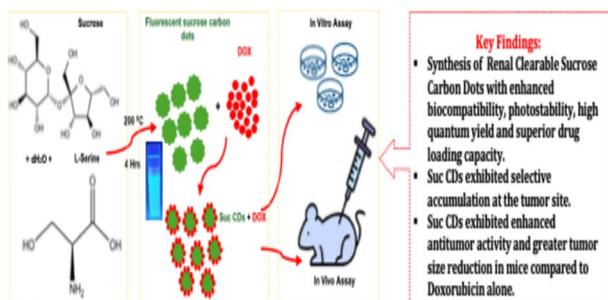
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Farhana Azmi, Xiaoxue Xu, Hien Duong, Ping Ye, Titi Chen, Hongxi Li, Jianwei Chen, Sara Madadi Ardekani, Alireza Dehghani, Guoping Zheng, David Harris, Hongxu Lu, Yiping Wang and Qi Cao

