

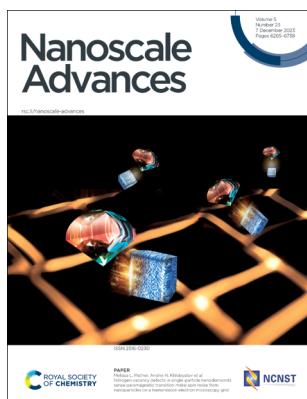
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ISSN 2516-0230 CODEN NAADAI 5(23) 6265–6738 (2023)



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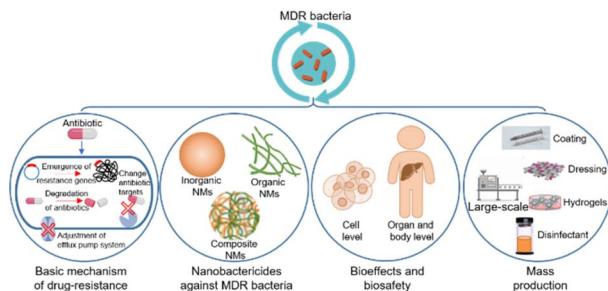
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Recent advances in nanoantibiotics against multidrug-resistant bacteria

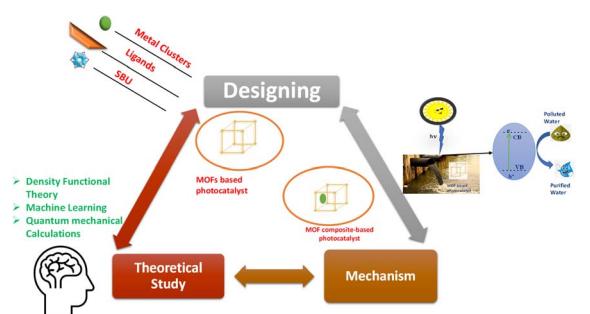
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M. Shahnawaz Khan, Yixiang Li, Dong-Sheng Li,
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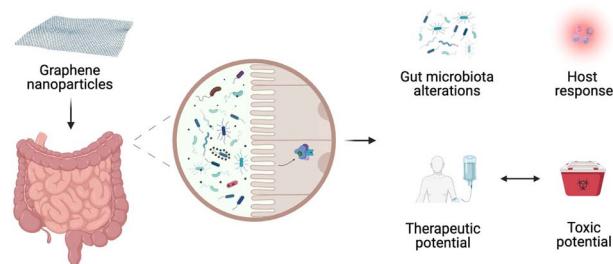
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Olga Wojciechowska, Adele Costabile and Małgorzata Kujawska*

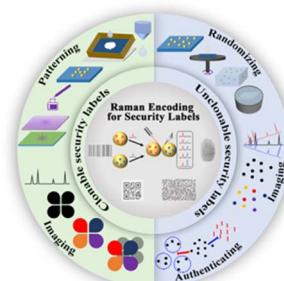


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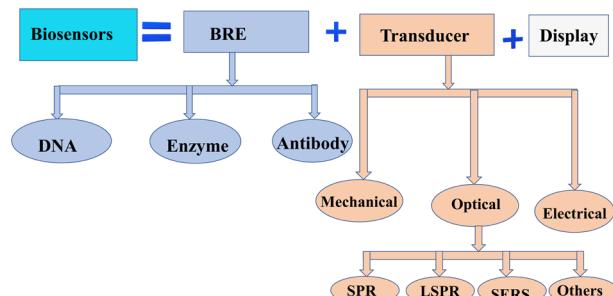
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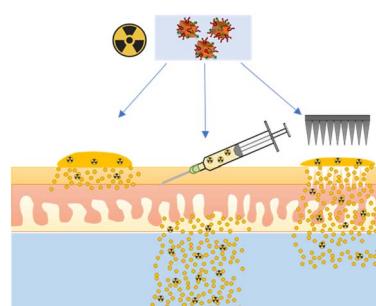


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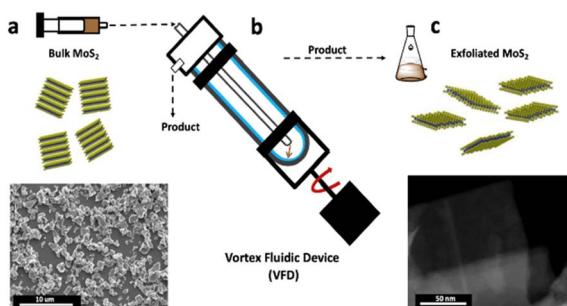
Ex vivo transdermal delivery of ^{3}H -labelled atovaquone solid drug nanoparticles: a comparison of topical, intradermal injection and microneedle assisted administration

Sam Morris, Mark Long, Alison Savage, Andrew Owen, Steve Rannard and Helen Cauldbeck*



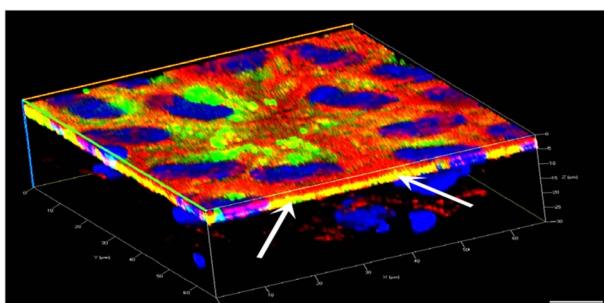
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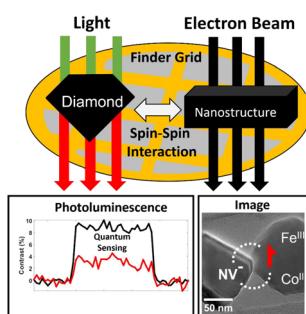
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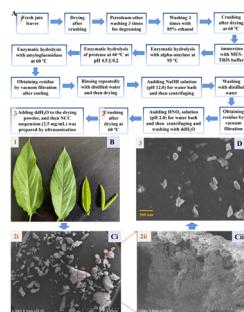
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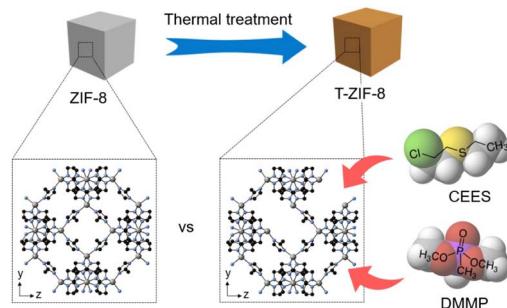


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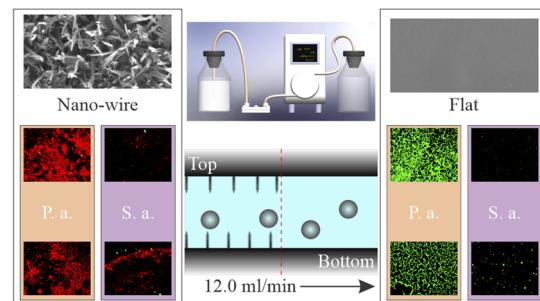
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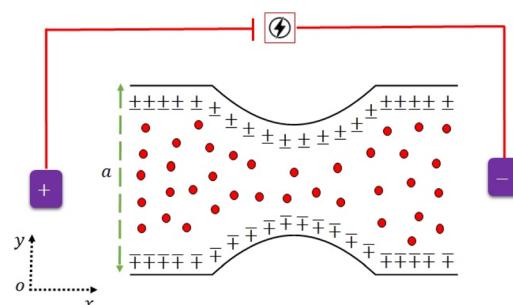
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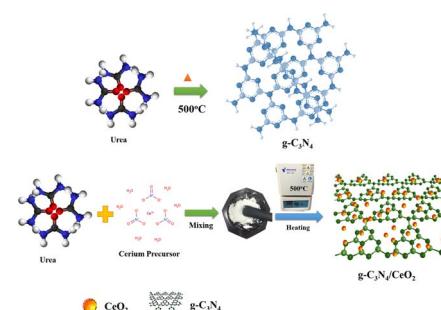
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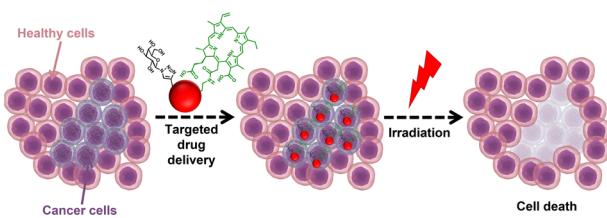
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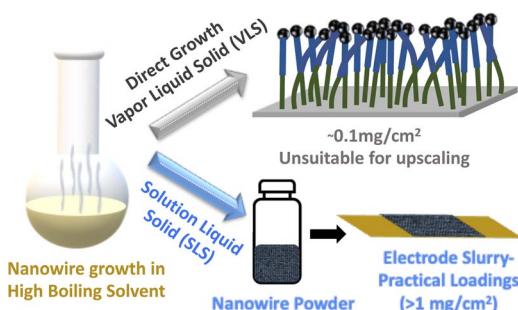
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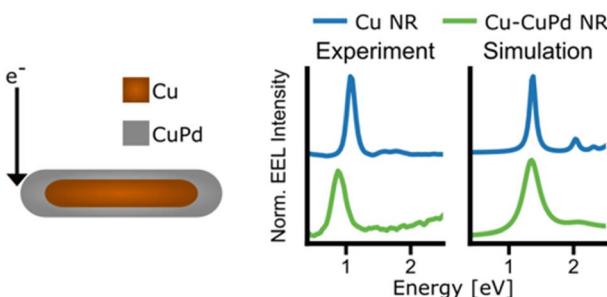
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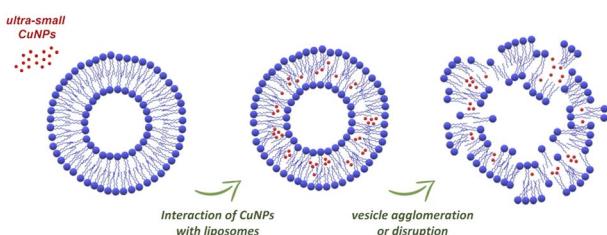
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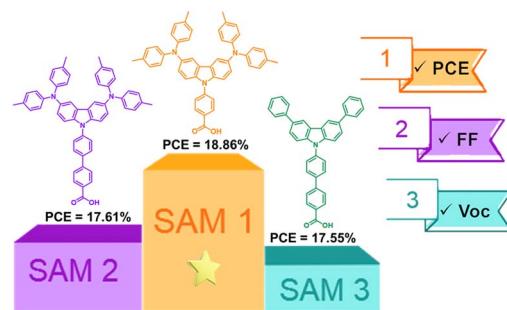


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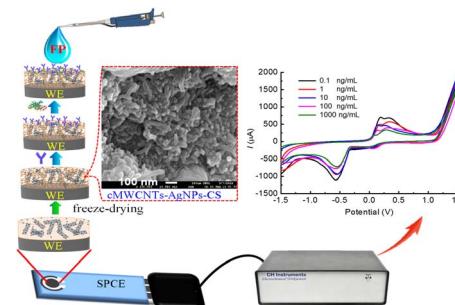
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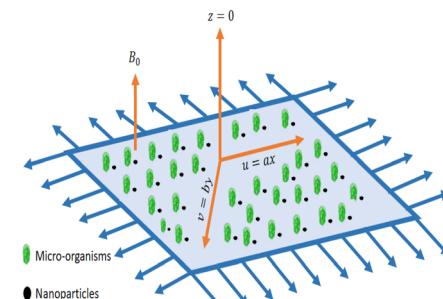
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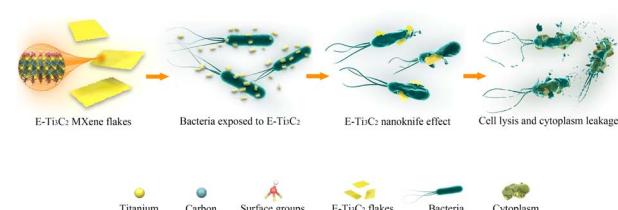
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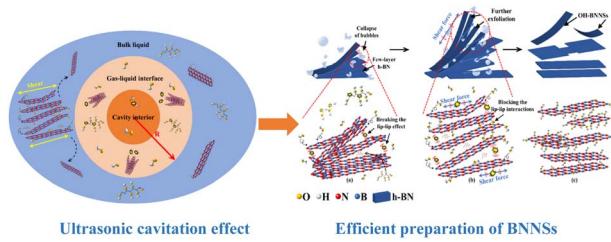
Large-scale production of MXenes as nanoknives for antibacterial application

Yuchen Liu, Xing Chen, Jiazhong Sun, Nuo Xu, Qi Tang, Jie Ren, Cheng Chen,* Weiwei Lei,* Chao Zhang and Dan Liu*



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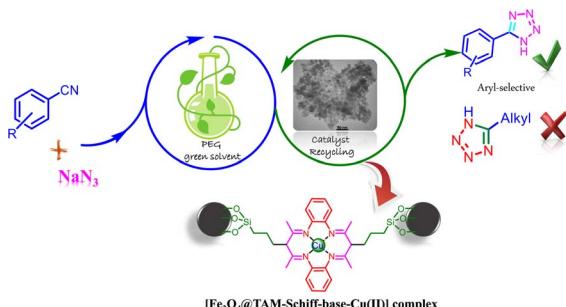
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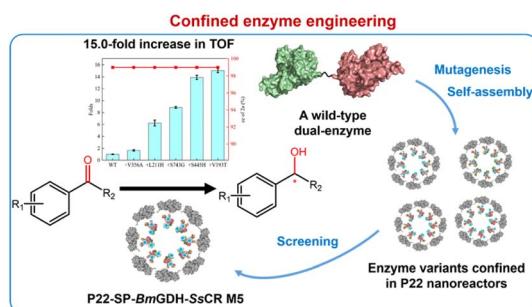
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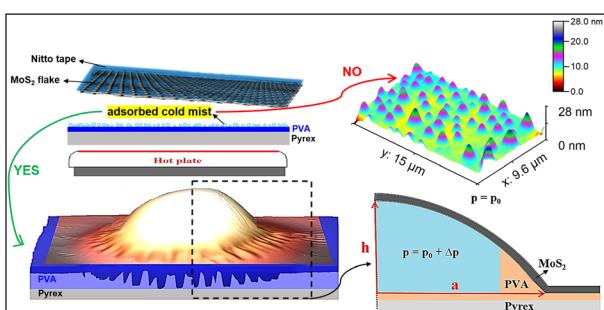
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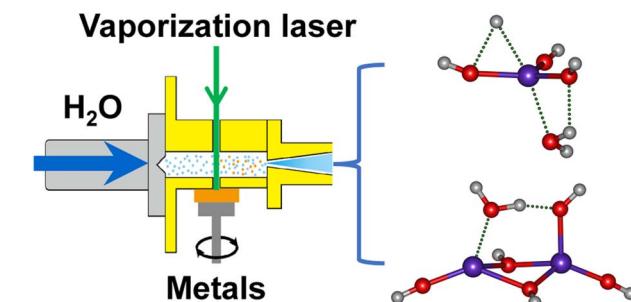


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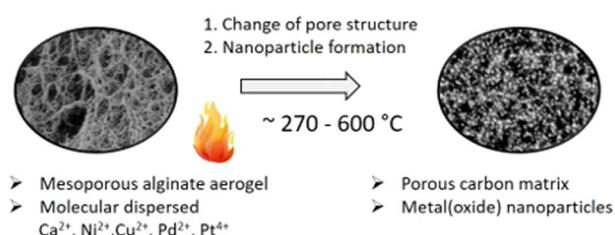
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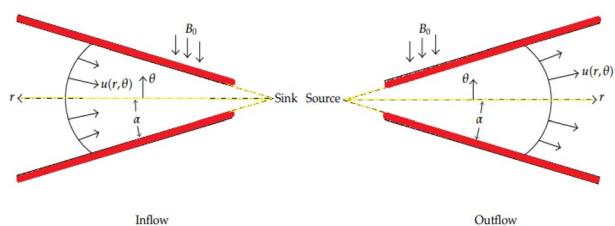
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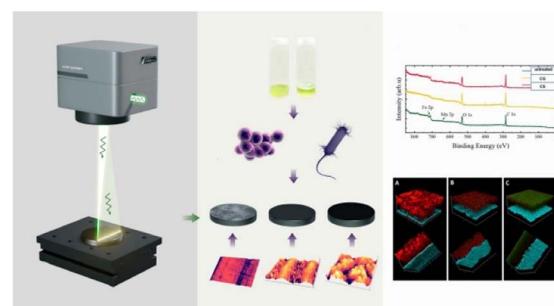
Shilpa B., Pudhari Srilatha, Umair Khan,* Naveen Kumar R., Samia Ben Ahmed and Raman Kumar



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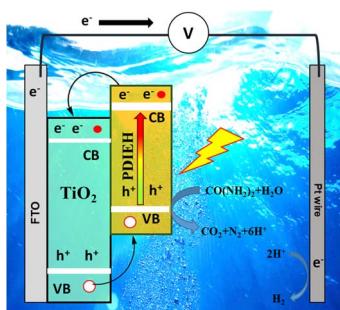
Femtosecond laser modified metal surfaces alter biofilm architecture and reduce bacterial biofilm formation

Iaroslav Gnilitskyi,* Svitlana Rymar, Olga Iungin, Oleksiy Vyhnevskyy, Pietro Parisse, Geert Potters, Anatoly V. Zayats* and Olena Moshynets*



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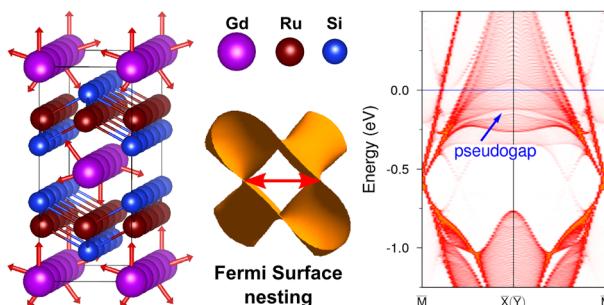
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A TiO_2 nanorod and perylene diimide based inorganic/organic nanoheterostructure photoanode for photoelectrochemical urea oxidation

Jasmine Bezboruah, Devendra Mayurdhwaj Sanke, Ajay Vinayakrao Munde, Palak Trilochand Bhattacharjee, Himadri Shekhar Karmakar and Sanjio S. Zade*

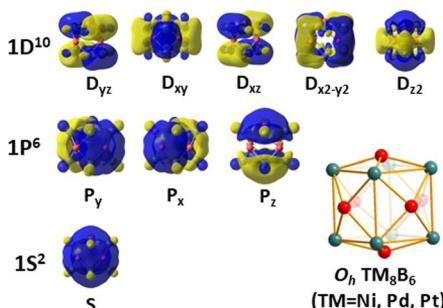
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Insight into the electronic structure of the centrosymmetric skyrmion magnet GdRu_2Si_2

S. V. Eremeev,* D. Glazkova, G. Poelchen, A. Kraiker, K. Ali, A. V. Tarasov, S. Schulz, K. Kliemt, E. V. Chulkov, V. S. Stolyarov, A. Ernst, C. Krellner, D. Yu. Usachov and D. V. Vyalikh*

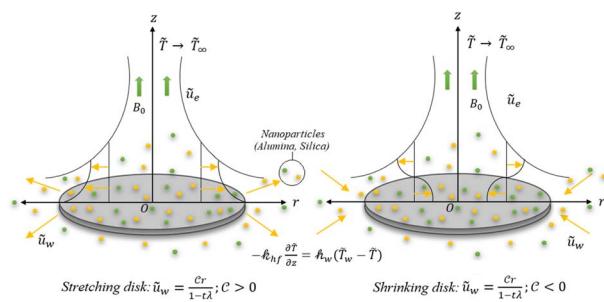
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Perfect cubic metallo-borospherenes TM_8B_6 ($\text{TM} = \text{Ni, Pd, Pt}$) as superatoms following the 18-electron rule

Mei-Zhen Ao, Yuan-Yuan Ma, Yue-Wen Mu* and Si-Dian Li*

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Exploring dual solutions and thermal conductivity in hybrid nanofluids: a comparative study of Xue and Hamilton–Crosser models

Mahnoor Sarfraz, Muhammad Yasir* and Masood Khan

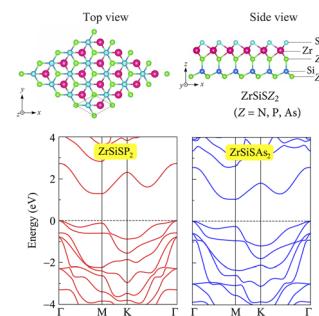


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Crystal lattice and electronic and transport properties of Janus ZrSiS_2 ($\text{Z} = \text{N, P, As}$) monolayers by first-principles investigations

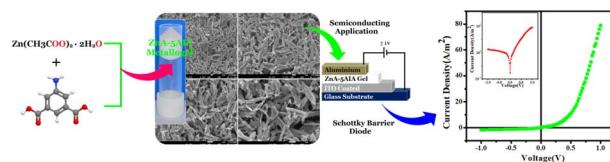
Nguyen P. Q. Anh, Nguyen T. Hiep, D. V. Lu, Cuong Q. Nguyen, Nguyen N. Hieu and Vo T. T. Vi*



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A 5-aminoisophthalic acid low molecular weight gelator based novel semiconducting supramolecular $\text{Zn}(\text{II})$ -metallogel: unlocking an efficient Schottky barrier diode for microelectronics

Subhendu Dhibar,* Baishakhi Pal, Kripasindhu Karmakar, Sanjay Roy, Sk Abdul Hafiz, Arpita Roy, Subham Bhattacharjee, Soumya Jyoti Ray, Partha Pratim Ray* and Bidyut Saha*



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Yingying Pang, Liangfeng Sun, Haifei Zhan,* Xianglong Zheng, Jiandong Zhang, Chengyou Bian and Chaofeng Lü*

