

Journal of Materials Chemistry B

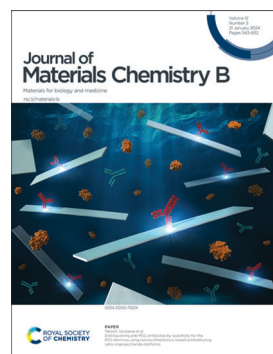
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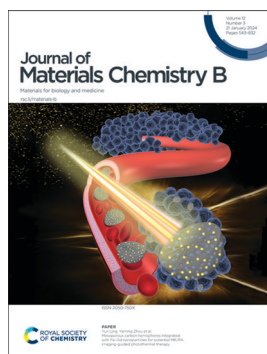
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See Takeshi Serizawa *et al.*, pp. 650–657. Image reproduced by permission of Takeshi Serizawa from *J. Mater. Chem. B*, 2024, 12, 650.



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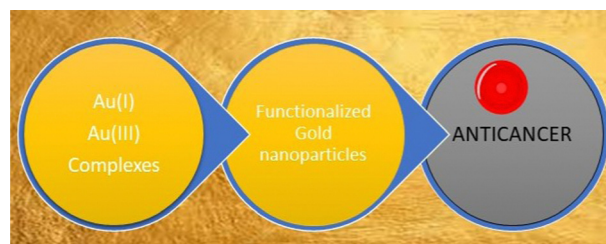
See Yun Ling, Yaming Zhou *et al.*, pp. 658–666. Image reproduced by permission of Yaming Zhou from *J. Mater. Chem. B*, 2024, 12, 658.

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Harnessing the power of gold: advancements in anticancer gold complexes and their functionalized nanoparticles

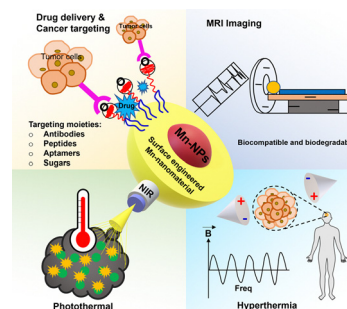
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Poonam Jain, Ashok Kumar Jangid, Deep Pooja* and Hitesh Kulhari*



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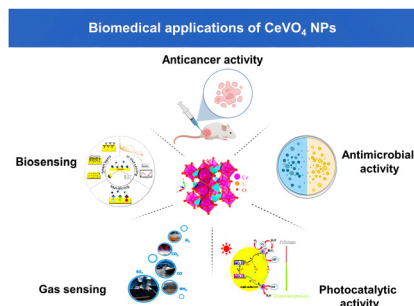
Fundamental questions
Elemental answers

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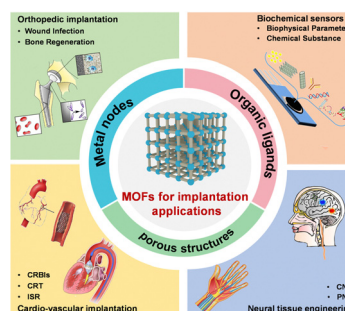
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Metal–organic framework-based platforms for implantation applications: recent advances and challenges

Yifan Liu, Shuteng Wang, Chunhua Quan,* Shifang Luan,
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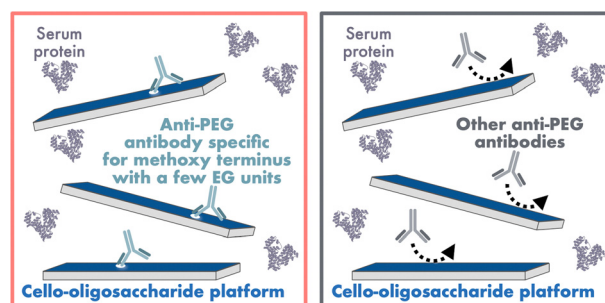


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Distinguishing anti-PEG antibodies by specificity for the PEG terminus using nanoarchitectonics-based antibiofouling cello-oligosaccharide platforms

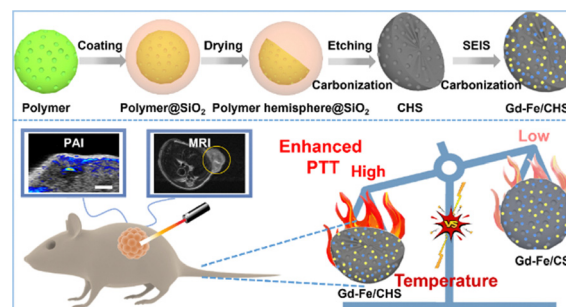
Kai Sugiura, Toshiki Sawada, Yuuki Hata, Hiroshi Tanaka
and Takeshi Serizawa*



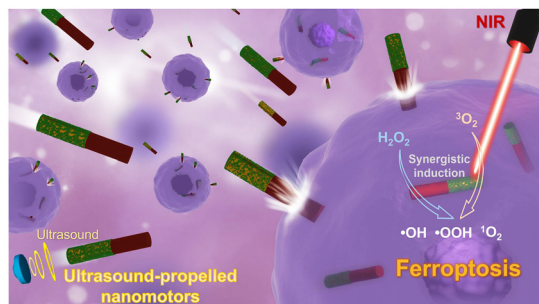
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Mesoporous carbon hemispheres integrated with Fe–Gd nanoparticles for potential MR/PA imaging-guided photothermal therapy

Mengmeng Zhang, Tianze Wu, Hui Zhang, Zhenxia Chen,
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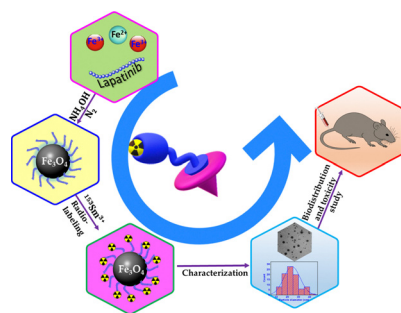
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Ultrasound-propelled nanomotors for efficient cancer cell ferroptosis

Ting Chen, Jie Yang, He Zhao, Dajian Li, Xiaoyong Luo, Zhiyu Fan, Biye Ren,* Yuepeng Cai* and Renfeng Dong*

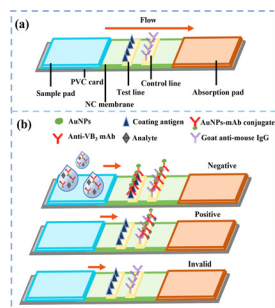
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¹⁵³Sm-labeled Fe₃O₄@lapatinib nanoparticles as a potential therapeutic agent for breast cancer: synthesis, quality control, and *in vivo* evaluation

Thanh Minh Pham,* Dong Vu Cao, Ho Hong Quang Dang, Phuoc Minh Thanh Mai, Thanh Binh Nguyen, Ngoc Bao Nam Dinh, Thi Khanh Giang Nguyen, Thi Mai Huong Le, Van Dat Doan, Duc Thuan Nguyen and Van Thuan Le*

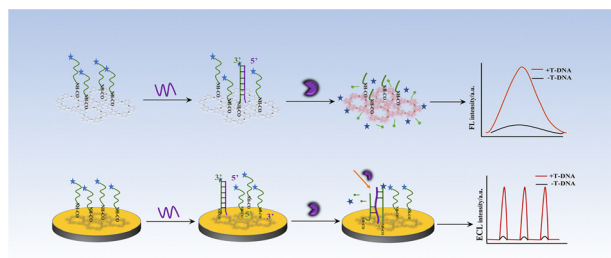
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Immunological strip sensor for the rapid determination of niacin in dietary supplements and foods

Jialin Hu, Aihong Wu, Lingling Guo, Yongwei Feng, Liqiang Liu, Maozhong Sun, Aihua Qu,* Hua Kuang, Chuanlai Xu and Liguang Xu*

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Dual-mode fluorescence and electrochemiluminescence sensors based on Ru-MOF nanosheets for sensitive detection of apoE genes

Huiting Hu, Hanfeng Cui, Xia Yin, Qiqi Fan, Hai Shuai, Jing Zhang, Fusheng Liao, Wei Xiong, Hedong Jiang, Hao Fan,* Wenming Liu* and Guobing Wei*

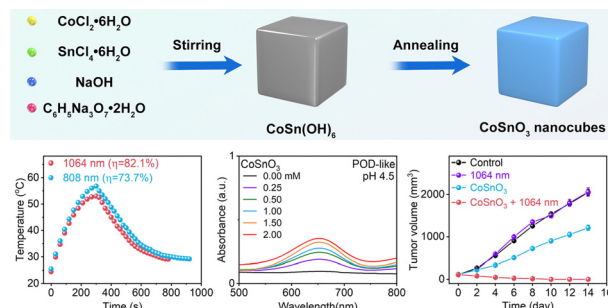


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An NIR-II-photoresponsive CoSnO_3 nanozyme for mild photothermally augmented nanocatalytic cancer therapy

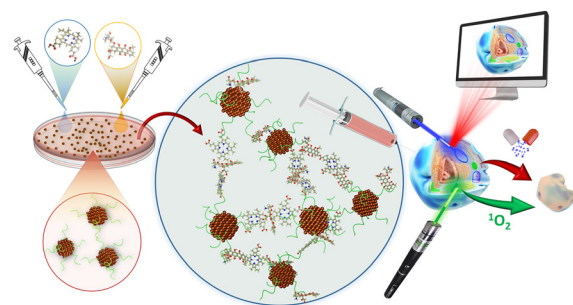
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Porphyrin and doxorubicin mediated nanoarchitectonics of copper clusters: a bimodal theranostics for cancer diagnosis and treatment *in vitro*

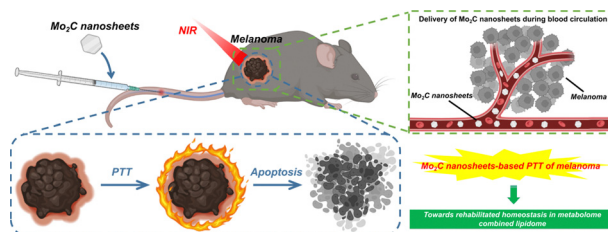
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Integrated metabolomics revealed the photothermal therapy of melanoma by Mo_2C nanosheets: toward rehabilitated homeostasis in metabolome combined lipidome

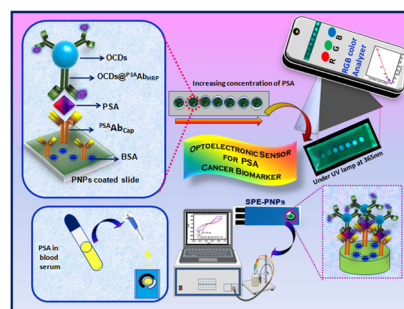
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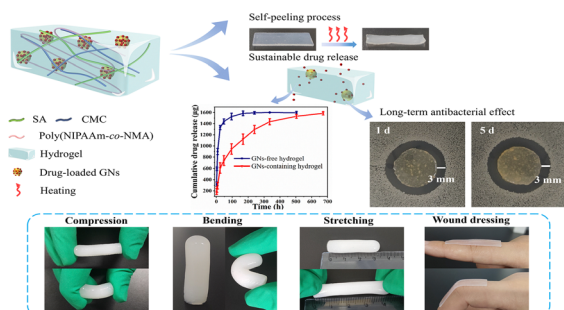
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Bio-conjugated carbon dots for the bimodal detection of prostate cancer biomarkers *via* sandwich fluorescence and electrochemical immunoassays

Jyoti Korram, Amarnath Chellachamy Anbalagan, Anannya Banerjee and Shilpa N. Sawant*



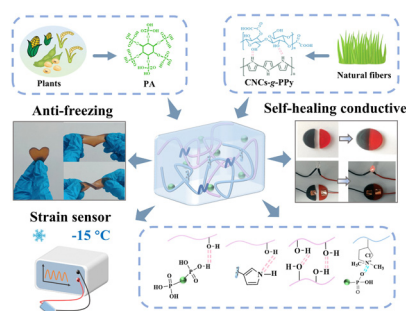
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Vancomycin-loaded hydrogels with thermal-responsive, self-peeling, and sustainable antibacterial properties for wound dressing

Yun Tang, Xinrui Shu, Guandi He, Yuhan Zhang, Yonghe Zhao, Hudie Yuan, Jingjie Yu, Jiabao Guo and Qiang Chen*

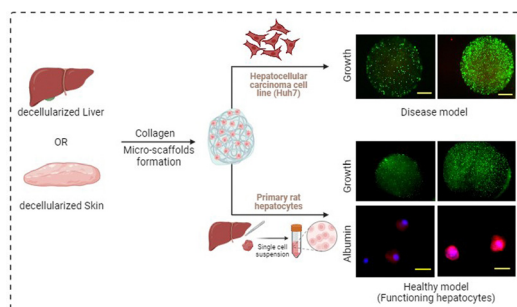
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Fabrication of anti-freezing and self-healing nanocomposite hydrogels based on phytic acid and cellulose nanocrystals for high strain sensing applications

Dongqi Yue, Shaoning Shi, Hou Chen,* Liangjiu Bai,* Wenxiang Wang, Huawei Yang, Lixia Yang and Donglei Wei

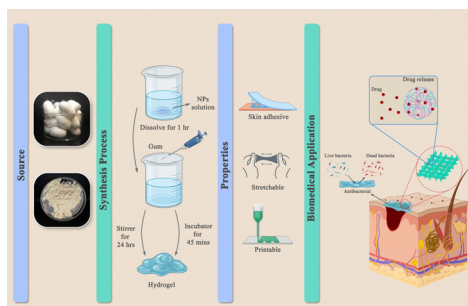
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A decellularized matrix enriched collagen micro-scaffold for a 3D *in vitro* liver model

Shreemoyee De, Ashwini Vasudevan, Dinesh M. Tripathi, Savneet Kaur* and Neetu Singh*

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A sustainable and self-healable silk fibroin nanocomposite with antibacterial and drug eluting properties for 3D printed wound dressings

Sana Sheybanikashani, Nooshin Zandi,* Danial Hosseini, Roya Lotfi and Abdolreza Simchi*

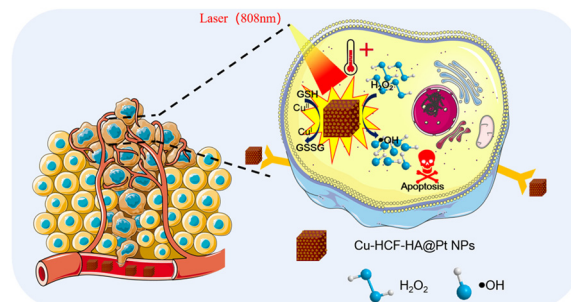


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A copper–platinum nanoplatform for synergistic photothermal and chemodynamic tumor therapy via ROS outburst and GSH exhaustion

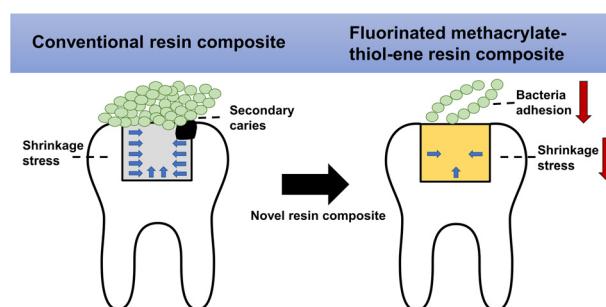
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A low-shrinkage-stress and anti-bacterial adherent dental resin composite: physicochemical properties and biocompatibility

Xinlin He, Shengcan Zhang, Yewen Zhong, Xiangya Huang, Fang Liu, Jingwei He* and Sui Mai*



CORRECTION

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Correction: Enhanced DNA release from disulfide-containing layered nanocomplexes by heparin-electrostatic competition

Zhenzhen Chen, Yuling He, Lifan Zhang* and Yanfeng Li

