

Journal of Materials Chemistry B

Materials for biology and medicine

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See Monalisa Mukherjee *et al.*, pp. 10761–10777.
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2023 *Journal of Materials Chemistry* Lectureship runners-up: Dr Kwabena Bediako, University of California, Berkeley, USA and Dr Laure Biniek, Institut Charles Sadron, CNRS – Strasbourg, France



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2023 *Journal of Materials Chemistry* Lectureship winner: Dr Jovana Milić, University of Fribourg, Switzerland



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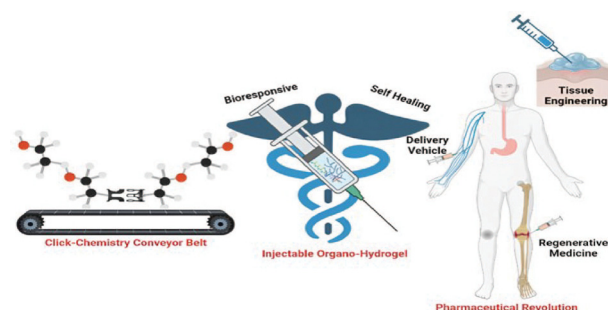


PERSPECTIVE

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Injectable organo-hydrogels influenced by click chemistry as a paramount stratagem in the conveyor belt of pharmaceutical revolution

Abhyavartin Selvam, Misba Majood, Radhika Chaurasia, Rupesh, Akanksha Singh, Tapan Dey, Omnarayan Agrawal, Yogesh Kumar Verma and Monalisa Mukherjee*

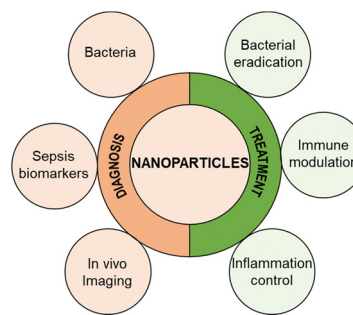


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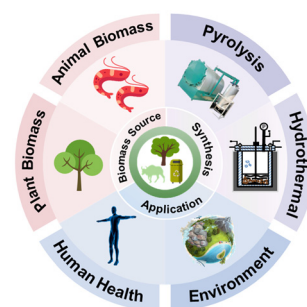
Chaoyang Zhou,* Yong Liu,* Yuanfeng Li* and Linqi Shi



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Biomass-derived 2D carbon materials: structure, fabrication, and application in electrochemical sensors

Xuanyu Xiao, Lei Li, Hui Deng, Yuting Zhong, Wei Deng, Yuanyuan Xu, Zhiyu Chen, Jieyu Zhang, Xuefeng Hu* and Yunbing Wang*

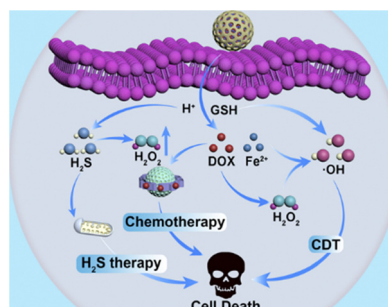


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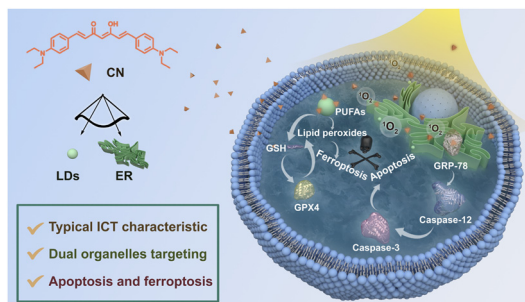
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A tetrasulfide bond-bridged mesoporous organosilica-based nanoplatfom for triple-enhanced chemodynamic therapy combined with chemotherapy and H₂S therapy

Mingzhe Liu, Hui Xu, FangFang Zhou, Xiyu Gong, Songwen Tan and Yongju He*



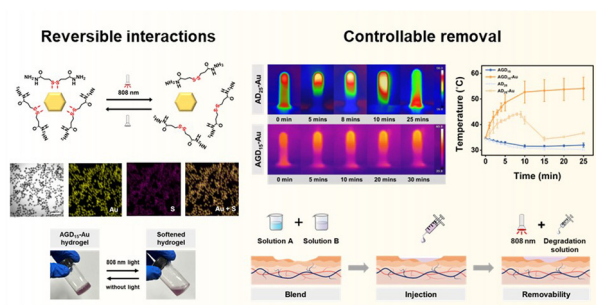
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A dual organelle-targeting photosensitizer based on curcumin for enhanced photodynamic therapy

Yanping Wang, Xuwei Li, Weimin Liu,* Jie Sha, Zhe Yu, Shuai Wang, Haohui Ren, Wenjun Zhang, Chun-Sing Lee and Pengfei Wang*

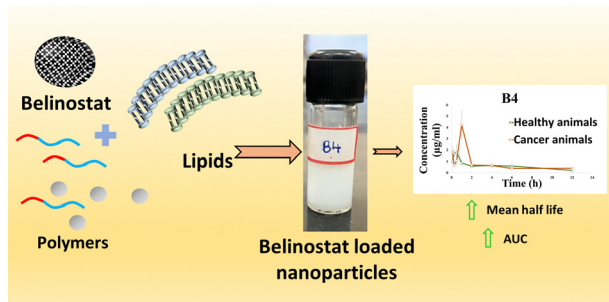
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Injectable spontaneously formed asymmetric adhesive hydrogel with controllable removal for wound healing

Lei Liang, Xi Li, Zhouying Tan, Min Liu, Yuwei Qiu, Qingyu Yu, Chaojie Yu, Mengmeng Yao, Bingyan Guo, Fanglian Yao, Pengcheng Che,* Hong Zhang* and Junjie Li*

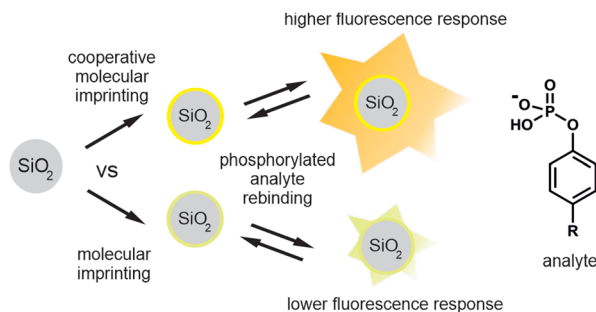
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Belinostat loaded lipid-polymer hybrid nanoparticulate delivery system for breast cancer: improved pharmacokinetics and biodistribution in a tumor model

Kommer Sai Pradyuth, Shubham A. Salunkhe, Arihant Kumar Singh, Deepak Chitkara and Anupama Mittal*

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Towards molecularly imprinted polymers that respond to and capture phosphorylated tyrosine epitopes using fluorescent bis-urea and bis-imidazolium receptors

Evgeniia Kislenco, Anıl İncel, Kornelia Gawlitza, Börje Sellergren and Knut Rurack*

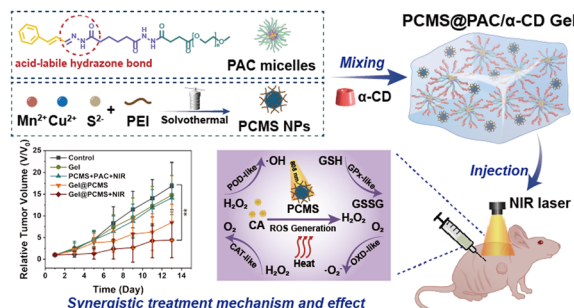


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A pH-responsive supramolecular hydrogel encapsulating a CuMnS nanoenzyme catalyst for synergistic photothermal–photodynamic–chemodynamic therapy of tumours

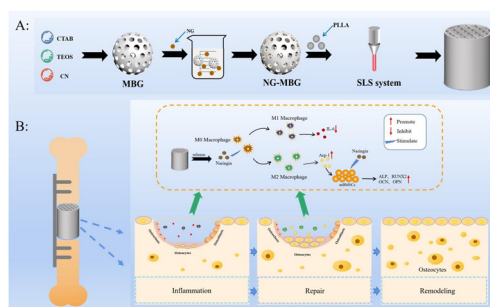
Anqin Dong, Shiwei Huang, Zhiyi Qian, Sicheng Xu, Weizhong Yuan* and Bing Wang*



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Direct osteogenesis and immunomodulation dual function *via* sustained release of naringin from the polymer scaffold

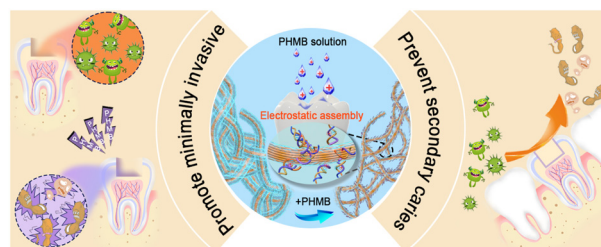
Wei Xiong, Lingmei Yuan, Jinyang Huang, Bin Pan, Ling Guo, Guowen Qian,* Cijun Shuai* and Zhikui Zeng*



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A polyhexamethylene biguanide-assembly assisted strategy of dentin bonding greatly promotes bonding effects and caries treatment

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Manganese-mineralized cancer cells as immunogenic cancer vaccines for tumor immunotherapy

Zhenyu Liu, Jiake Lin, Benke Li, Yuemin Zhou, Chen Li, Yihao Cui, Fengchao Tian, Ruikang Tang* and Xiaoyu Wang*

