

Journal of Materials Chemistry B

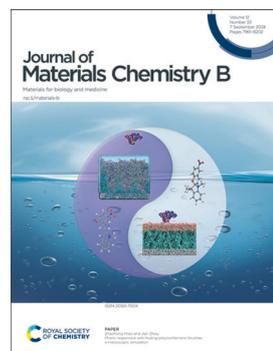
Materials for biology and medicine

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See Zhaohong Miao and Jian Zhou, pp. 8076–8086. Image reproduced by permission of Jian Zhou from *J. Mater. Chem. B*, 2024, 12, 8076.



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See Juan Pellico *et al.*, pp. 8087–8098. Image reproduced by permission of Juan Pellico and Phillip Blower from *J. Mater. Chem. B*, 2024, 12, 8087.

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Sculpturing the future of water-soluble cyclodextrin branched polymers in pharmaceutical applications

Marco Agnes,* Arianna Mazza, Milo Malanga and Ilse Manet*

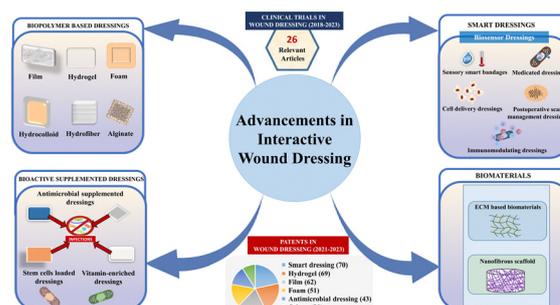


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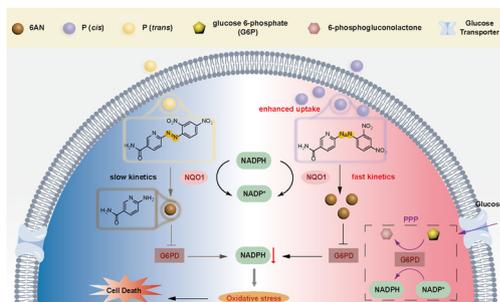
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Engineering hypoxia-responsive 6-aminonicotinamide prodrugs for on-demand NADPH depletion and redox manipulation

Mingye Li, Yuyu Dong, Zheng Wang, Yanjun Zhao,*
Yujie Dai* and Baoxin Zhang*

PAPERS

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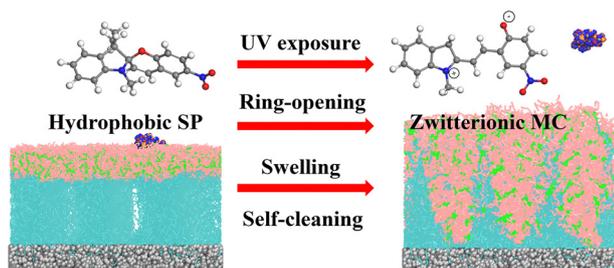
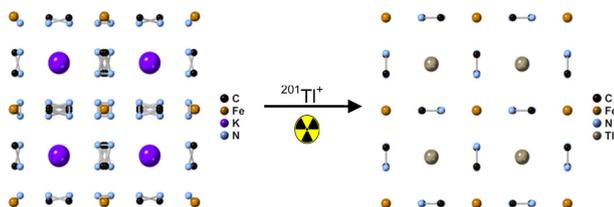


Photo-responsive anti-fouling polyzwitterionic brushes: a mesoscopic simulation

Zhaohong Miao and Jian Zhou*

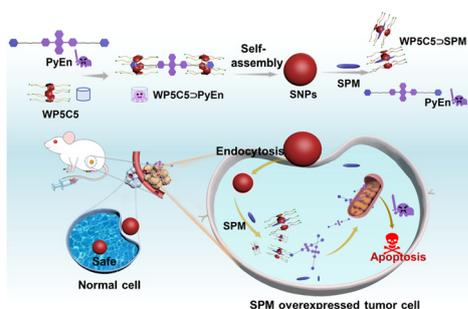
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Mechanisms of inclusion of thallium-201 into Prussian blue nanoparticles for nuclear medicine applications

Katarzyna M. Wulfmeier, Philip J. Blower,
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Rafael T. M. de Rosales, David Walker,
Samantha YA Terry, Vincenzo Abbate and Juan Pellico*

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A spermine-responsive supramolecular chemotherapy system constructed from a water-soluble pillar[5]arene and a diphenylanthracene-containing amphiphile for precise chemotherapy

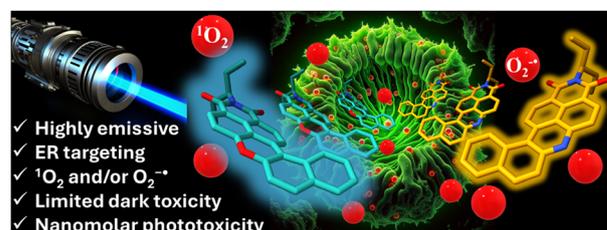
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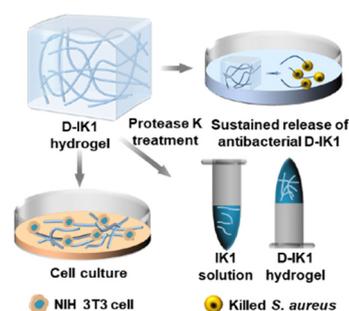
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D-Peptide cell culture scaffolds with enhanced antibacterial and controllable release properties

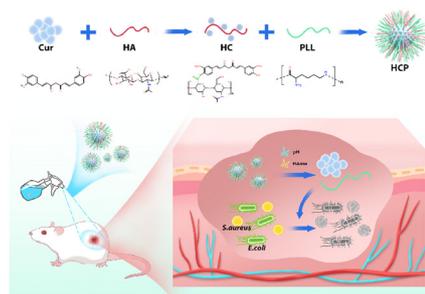
Yu Tian, Yangqian Hou, Jiakun Tian, Jin Zheng, Zeyu Xiao, Jun Hu and Yi Zhang*



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A multifunctional nanoplatform for precision-guided therapeutic intervention in bacterial infection

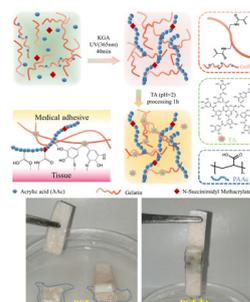
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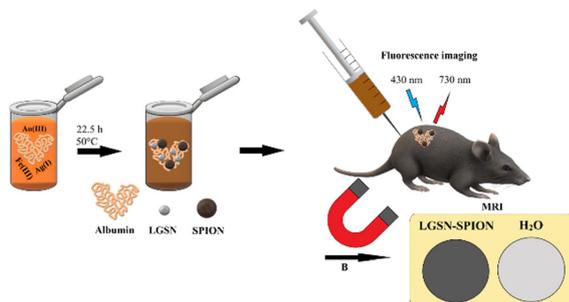
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A dry double-sided tape post-treated with tannic acid for long-term adhesion in a wet environment

Yi Ju, Junjie Wang, Yang Lei* and Yunbing Wang



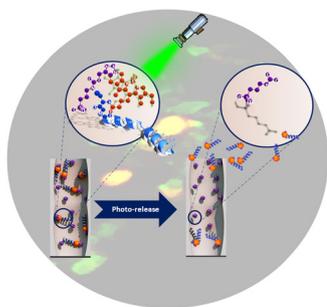
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Trimetallic nanocomposites developed for efficient *in vivo* bimodal imaging via fluorescence and magnetic resonance

Veronika Svačinová, Aminadav Halili, Radek Ostruszka, Tomáš Pluháček, Klára Jiráková, Daniel Jiráček and Karolína Šišková*

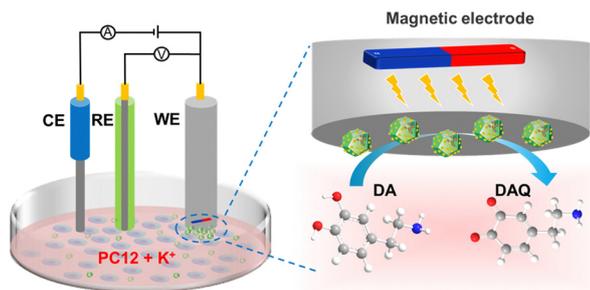
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Grafting and controlled release of antimicrobial peptides from mesoporous silica

Mohadeseh Bagherabadi, Marie Fleckenstein, Oleksandr Moskalyk, Andrea Belluati, Olga Avrutina and Annette Andrieu-Brunsen*

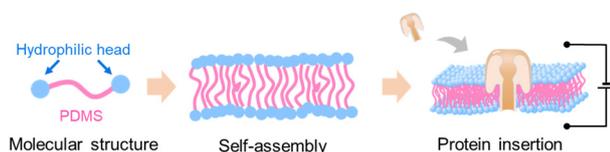
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Magnetic MOF composites for the electrocatalysis and biosensing of dopamine released from living cells

Jiarong Guo, Ying Ma, Tongyu Han, Jiao Yang* and Peng Miao*

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Formation of a planar biomimetic membrane with a novel zwitterionic polymer for nanopore sequencing

Xiaowei Yang, Jinfeng Yang, Lai Wei, Yuning Zhang, Jingnan Yang,* Ming Ni* and Yuliang Dong*

