

Journal of Materials Chemistry B

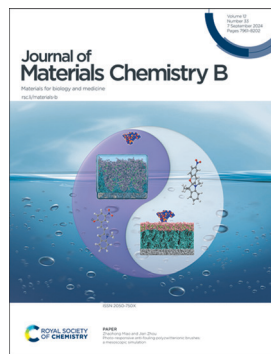
Materials for biology and medicine

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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*

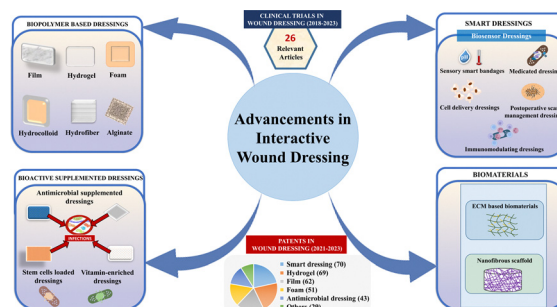


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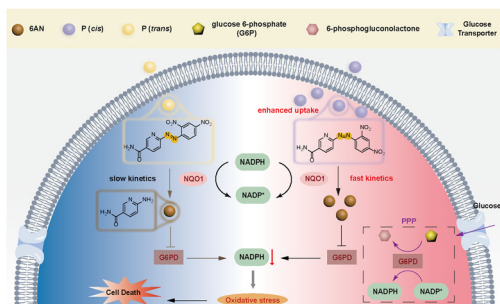


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COMMUNICATIONS

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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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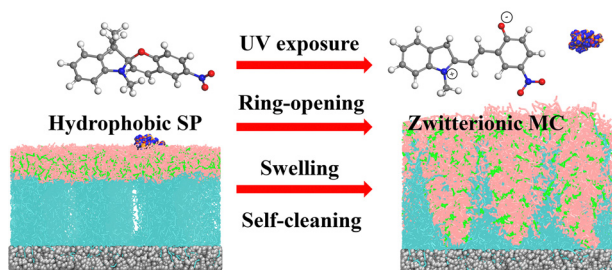
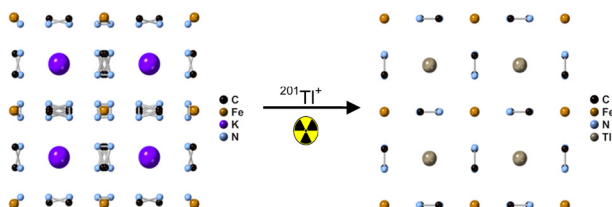


Photo-responsive anti-fouling polyzwitterionic brushes: a mesoscopic simulation

Zhaohong Miao and Jian Zhou*

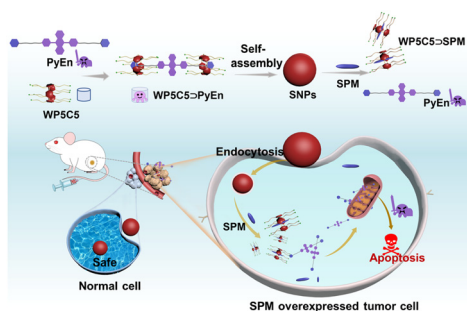
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Mechanisms of inclusion of thallium-201 into Prussian blue nanoparticles for nuclear medicine applications

Katarzyna M. Wulfmeier, Philip J. Blower,
Galo Paez Fajardo, Steven Huband,
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

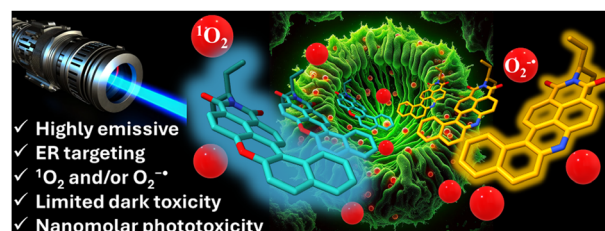
Yongfei Yin, Pei Zeng, Yifan Duan, Jun Wang, Wei Zhou,
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Heavy-atom-free π -twisted photosensitizers for fluorescence bioimaging and photodynamic therapy

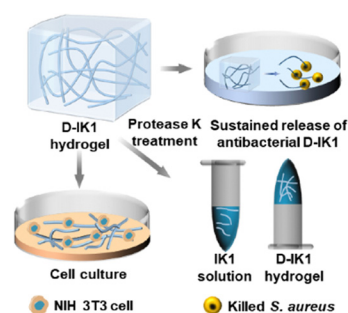
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D-Peptide cell culture scaffolds with enhanced antibacterial and controllable release properties

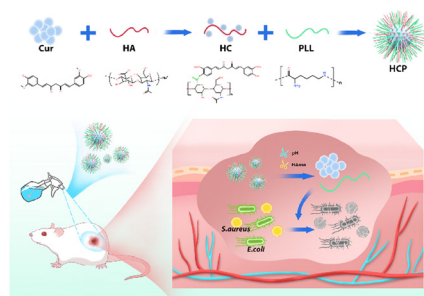
Yu Tian, Yangqian Hou, Jiakun Tian, Jin Zheng, Zeyu Xiao, Jun Hu and Yi Zhang*



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

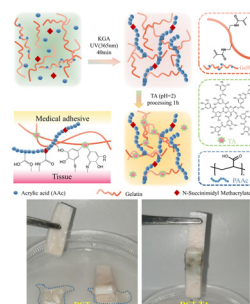
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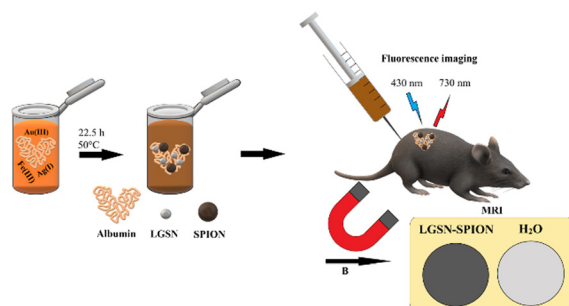
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A dry double-sided tape post-treated with tannic acid for long-term adhesion in a wet environment

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



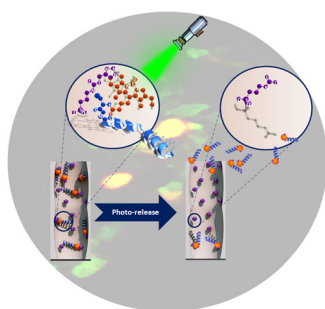
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Trimetallic nanocomposites developed for efficient *in vivo* bimodal imaging via fluorescence and magnetic resonance

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

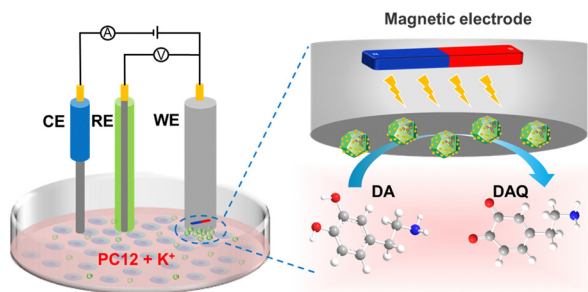
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Grafting and controlled release of antimicrobial peptides from mesoporous silica

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

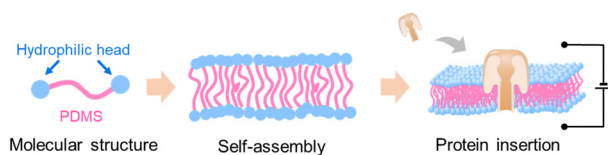
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Magnetic MOF composites for the electrocatalysis and biosensing of dopamine released from living cells

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*

