

Journal of Materials Chemistry B

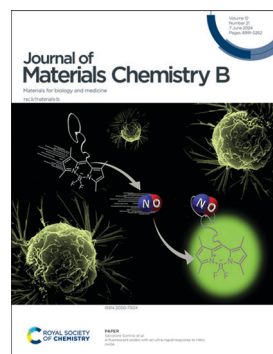
Materials for biology and medicine

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Cover

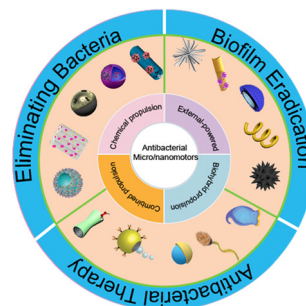
See Salvatore Sortino
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REVIEWS

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Recent advances in micro/nanomotors for antibacterial applications

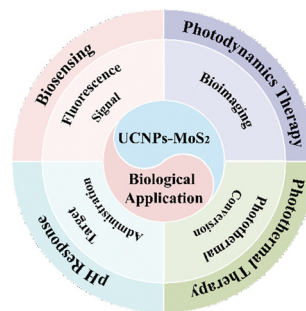
Wenxia Wang,* Hangyu Luo and Han Wang



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Recent progress of UCNPs–MoS₂ nanocomposites as a platform for biological applications

Yue Wang, Yiru Wang, Huimei Zhong, Lihao Xiong, Jiayi Song, Xinyu Zhang, Ting He, Xiayu Zhou, Le Li* and Deshuai Zhen*



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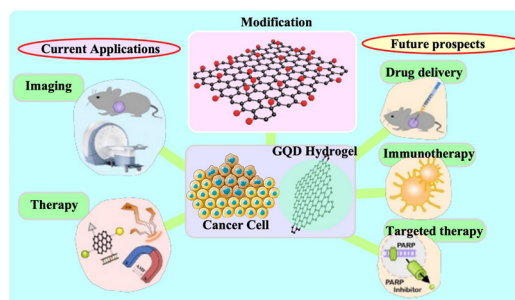


REVIEWS

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Recent advances in synergistic use of GQD-based hydrogels for bioimaging and drug delivery in cancer treatment

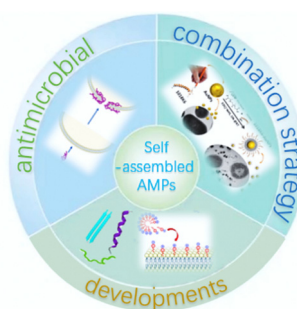
Muhammad Hussnain Akmal, Masoomah Yari Kalashgrani, Seyyed Mojtaba Mousavi, Vahid Rahmanian, Neha Sharma, Ahmad Gholami, Raed H. Althomali, Mohammed M. Rahman* and Wei-Hung Chiang*



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Antimicrobial therapy based on self-assembling peptides

Yuqi Wang, Yexi Zhang, Rongxin Su, Yuefei Wang* and Wei Qi*

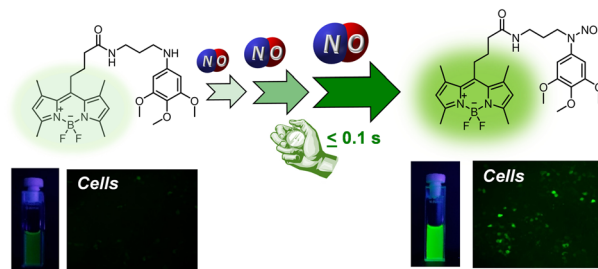


PAPERS

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A fluorescent probe with an ultra-rapid response to nitric oxide

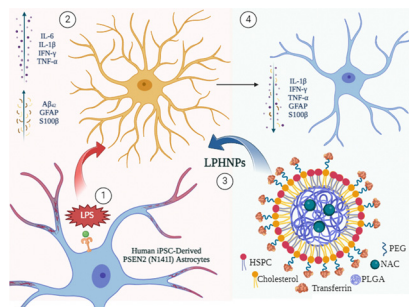
Cristina Parisi, Arianna Pastore, Mariano Stornaiuolo and Salvatore Sortino*



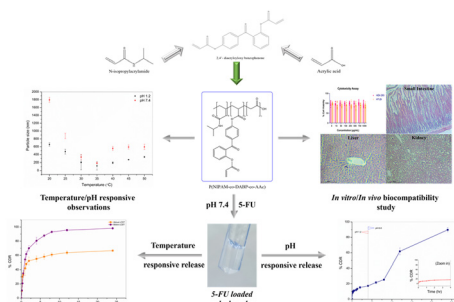
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Lipid-polymer hybrid nanoparticles loaded with N-acetylcysteine for the modulation of neuroinflammatory biomarkers in human iPSC-derived PSEN2 (N141I) astrocytes as a model of Alzheimer's disease

Alondra Vargas-Barona, Johanna Bernáldez-Sarabia and Ana B. Castro-Ceseña*



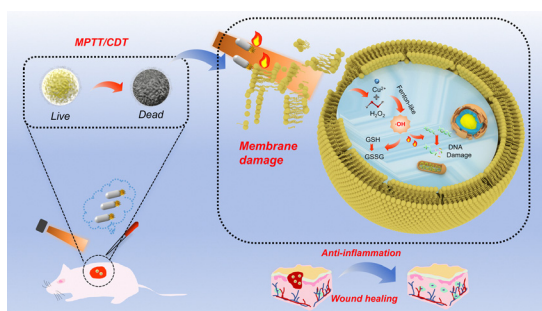
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Synthesis and characterization of a pH/temperature-dual responsive hydrogel with promising biocompatibility features for stimuli-responsive 5-FU delivery

Purushottam Suryavanshi, Shriram Mahajan, Sanjay K. Banerjee, Kapileswar Seth* and Subham Banerjee*

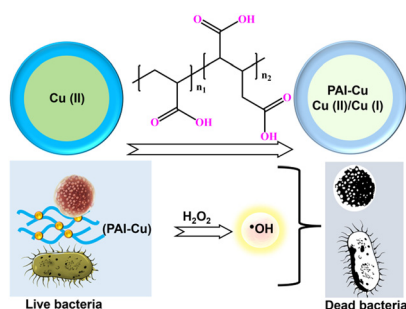
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Copper peroxide nanodot-decorated gold nanostar/silica nanorod Janus nanostructure with NIR-II photothermal and acid-triggered hydroxyl radical generation properties for the effective treatment of wound infections

Yan Lu, Rui Xu, Wei Liu, Xiling Song, Wanqin Cai, Yuan Fang, Wei Xue* and Siming Yu*

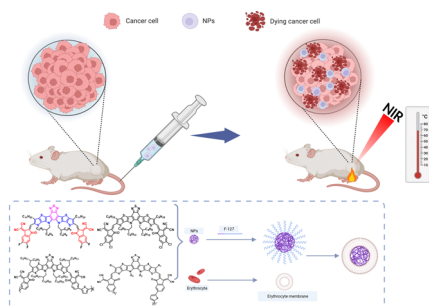
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Enhancing antibacterial properties by regulating valence configurations of copper: a focus on Cu-carboxyl chelates

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Acceptor-donor-acceptor-type molecules with large electrostatic potential difference for effective NIR photothermal therapy

Kexin Fan, Ludan Zhang, Qinqiu Zhong, Yanhe Xiang, Bowei Xu* and Yuguang Wang*

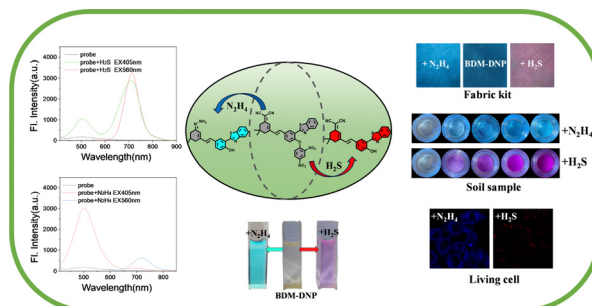


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A dual-color ESIPT-based probe for simultaneous detection of hydrogen sulfide and hydrazine

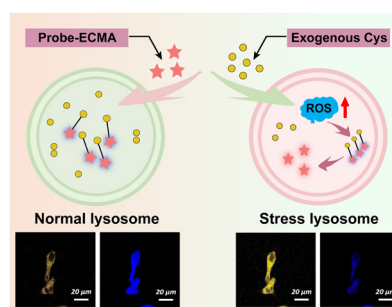
Qian Gong, Youbo Lai and Weiying Lin*



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Lysosomal-targeted fluorescent probe based pH regulating reactivity for tracking cysteine dynamics under oxidative stress

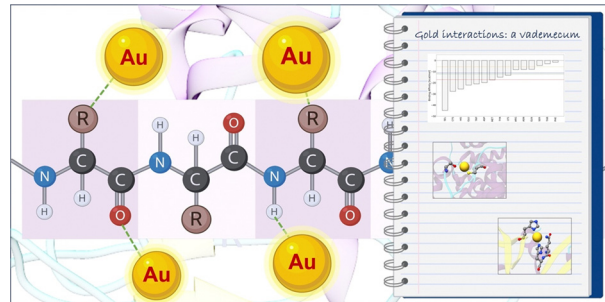
Tao Liu, Xuwei Han, Wenjing Zhao, Ke Gao, Runan Min, Yuting Tian, Xueyi Sun and Caixia Yin*



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Interaction of Au(III) with amino acids: a vade mecum for medicinal chemistry and nanotechnology

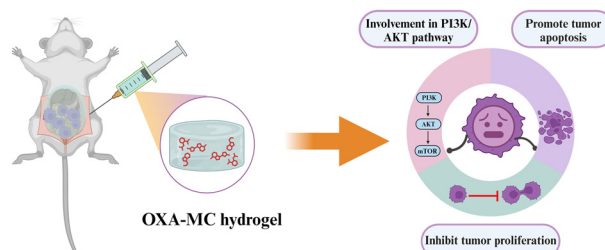
Edoardo Jun Mattioli, Beatrice Cipriani, Francesco Zerbetto, Tainah Dorina Marforio* and Matteo Calvaresi*



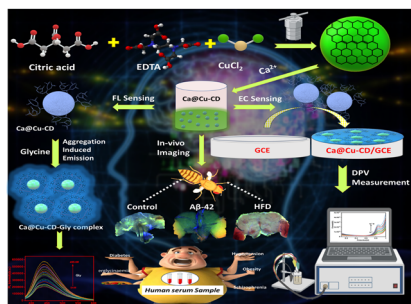
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Thermosensitive methyl-cellulose-based injectable hydrogel carrying oxaliplatin for the treatment of peritoneal metastasis in colorectal cancer

Ju Yang, Yuanfeng Wei, Ling Gao, Zhaojun Li and Xi Yang*



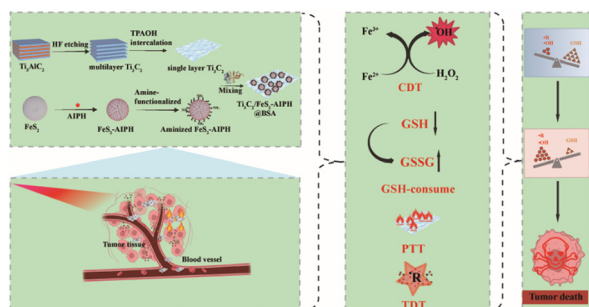
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Ca@Cu-CD nanoprobe for dual detection of glycine and ex vivo glycine imaging

Lingaraj Behera, Lopamudra Mishra, Monalisa Mishra and Sasmita Mohapatra*

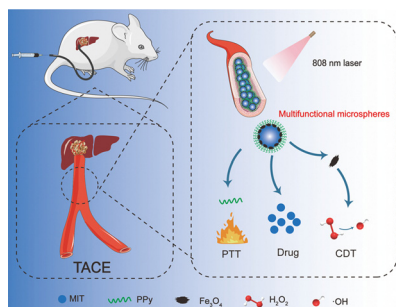
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FeS₂-modified MXene nanocomposite platform for efficient PTT/CDT/TDT integration through enhanced GSH consumption

Yunfeng Tang, Renliang Zhao, Min Yi, Zilu Ge, Dong Wang, Yu Jiang, Guanglin Wang and Xiangtian Deng*

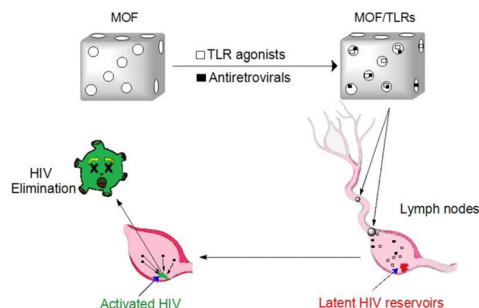
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Engineering polyvinyl alcohol microspheres with capability for use in photothermal/chemodynamic therapy for enhanced transarterial chemoembolization

Xin Lu, Qiufang Liu, Ge Yan, Xiao Wang, Xiaosheng Liu,* Qiwei Tian* and Shaoli Song*

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Biocompatible metal–organic frameworks as promising platforms to eradicate HIV reservoirs ex vivo in people living with HIV

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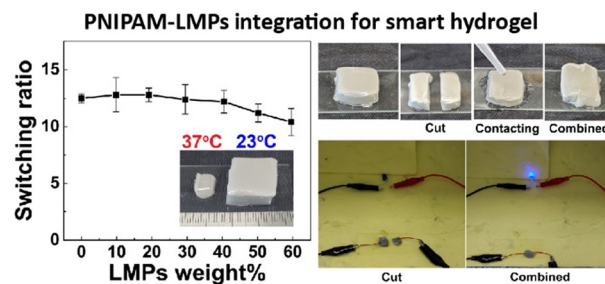


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A highly conductive, robust, self-healable, and thermally responsive liquid metal-based hydrogel for reversible electrical switches

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Intracellular infection-responsive macrophage-targeted nanoparticles for synergistic antibiotic immunotherapy of bacterial infection

Xiaomei Dai,* Yu Li, Xiaojun Liu, Yongjie Zhang and Feng Gao*

