

Journal of Materials Chemistry B

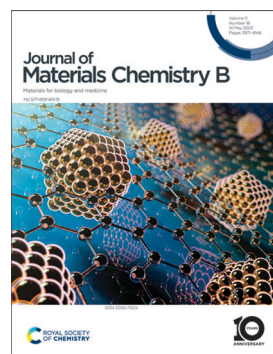
Materials for biology and medicine

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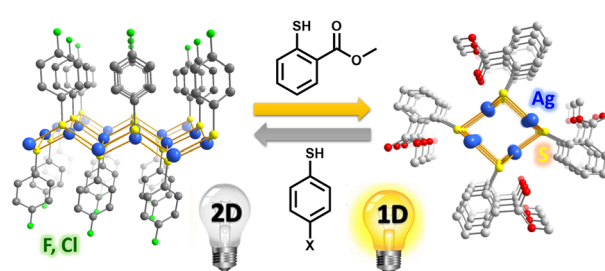


PAPERS

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Tuning the 1D–2D dimensionality upon ligand exchange in silver thiolate coordination polymers with photoemission switching

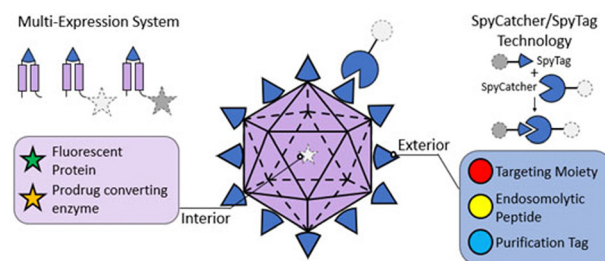
Saly Hawila, Florian Massuyeau, Romain Gautier, Alexandra Fateeva, Sébastien Lebègue, Won June Kim, Gilles Ledoux, Adel Mesbah and Aude Demessence*



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Highly modular hepatitis B virus-like nanocarriers for therapeutic protein encapsulation and targeted delivery to triple negative breast cancer cells

Daniel Yur, Millicent O. Sullivan* and Wilfred Chen*



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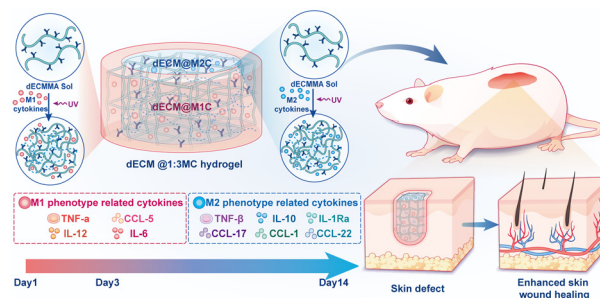


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A spatiotemporal release hydrogel based on an M1-to-M2 immunoenvironment for wound management

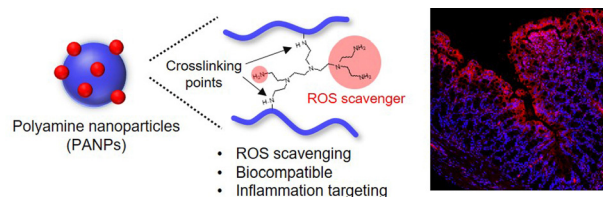
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Inflammation-targeting polyamine nanomedicines for the treatment of ulcerative colitis

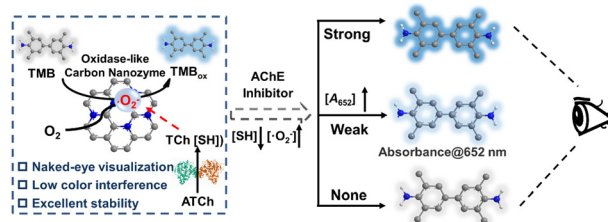
Akihiro Nishiguchi* and Tetsushi Taguchi



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Visual evaluation of acetylcholinesterase inhibition by an easy-to-operate assay based on N-doped carbon nanozyme with high stability and oxidase-like activity

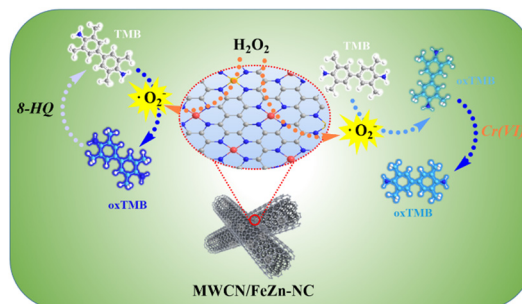
Mengli Zhang, Cui Wang, Yongqi Wang, Feng Li* and Dangqiang Zhu*



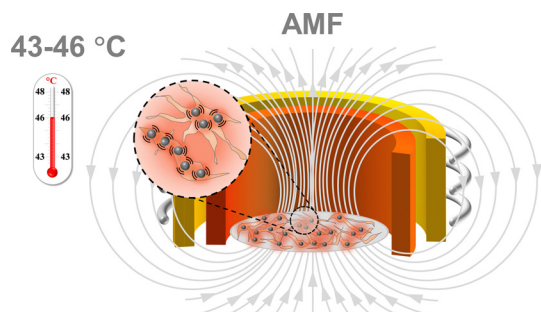
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Atomically dispersed Fe–Zn dual-site nanozymes with synergistic catalytic effects for the simultaneous detection of Cr(vi) and 8-hydroxyquinoline

Min Feng, Xiaofang Chen, Yuhang Liu, Yan Zhao, Pran Gopal Karmaker, Jia Liu, Ya Wang* and Xiupei Yang*



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Application of biocompatible and ultrastable superparamagnetic iron(III) oxide nanoparticles doped with magnesium for efficient magnetic fluid hyperthermia in lung cancer cells

Anna M. Nowicka, Monika Ruzycka-Ayoush, Artur Kasprzak, Agata Kowalczyk, Magdalena Bamburowicz-Klimkowska, Malgorzata Sikorska, Kamil Sobczak, Mikolaj Donten, Anna Ruszczynska, Julita Nowakowska and Ireneusz P. Grudzinski*

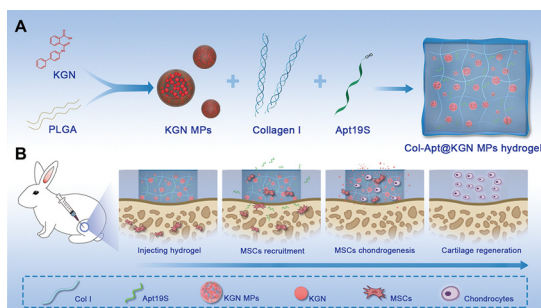
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Investigation into antifreeze performances of natural amino acids for novel CPA development

Jianfan Ma, Xiangyu Zhang, Zhongxin Cui, Meirong Zhao, Lei Zhang* and Haishan Qi*

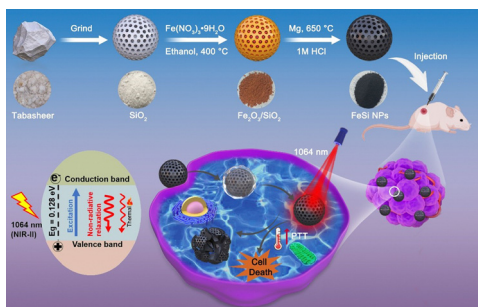
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Functional injectable hydrogel with spatiotemporal sequential release for recruitment of endogenous stem cells and *in situ* cartilage regeneration

Wenling Dai, Qingli Liu, Shikui Li, Yongli Gao, Cong Feng, Likun Guo,* Yumei Xiao, Hai Lin, Yujiang Fan and Xingdong Zhang

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Green synthesis of mesoporous and biodegradable iron silicide nanoparticles for photothermal cancer therapy

Xutao Guo, Shuxian Wang, Shubin Wang, Jun Wang, Feng Jiang, Yuhan Liu, Catherine J. Storey, Wolfgang Theis, Zhouguang Lu, Kai Li, Leigh T. Canham* and Zhenghe Xu*

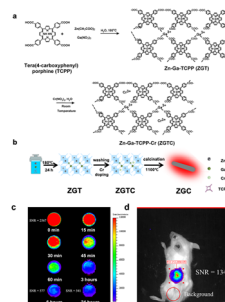


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A novel removable template method for the preparation of persistent luminescence nanoparticles with biocompatible size and high intensity

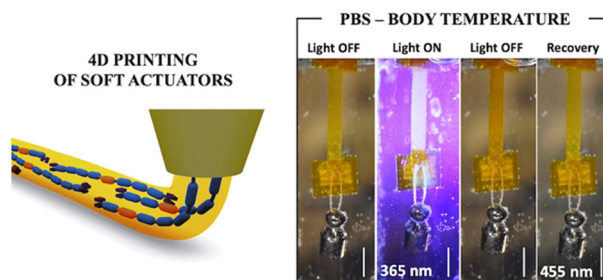
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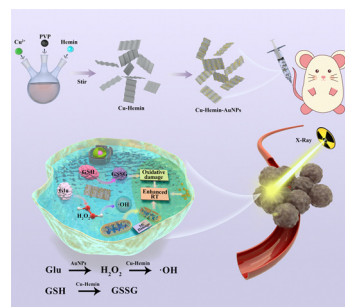
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Gold nanoparticle doped CuHemin nanosheets with a remodeling tumor microenvironment for multiple radiotherapy sensitization

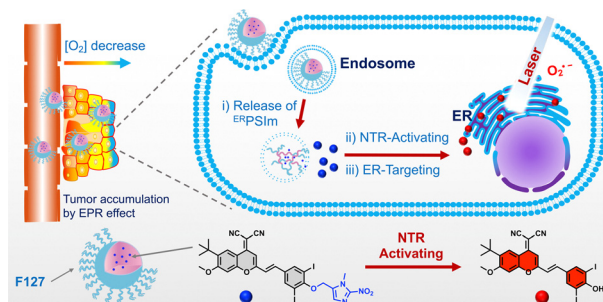
Kun Qiao, Jianlan Mo, You Pan, Shiyuan Zhang, Cong Jiang, Meng Lyu, Ying Cui,* Yuanxi Huang* and Shipeng Ning*



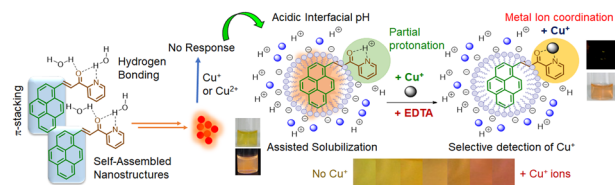
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A hypoxia-activatable theranostic agent with intrinsic endoplasmic reticulum affinity and type-I photosensitivity

Junqing Zhang, Yongkang Zhang, Hao Zhang, Wenhao Zhai, Xiaoqian Shi and Changhua Li*



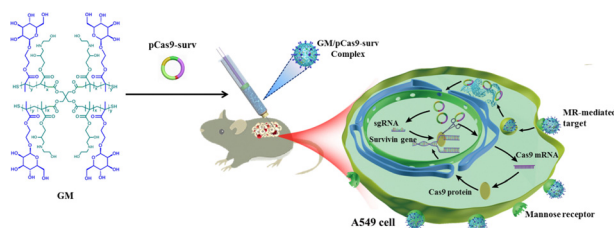
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Dye-surfactant co-assembly as the chromogenic indicator for nanomolar level detection of Cu(I) ions via a color-changing response

Sourav Mondal, Monaj Karar and Nilanjan Dey*

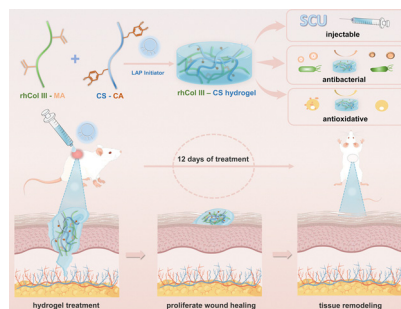
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Mannose-functionalized star polycation mediated CRISPR/Cas9 delivery for lung cancer therapy

Yu Wang, Yu Qi, Xindong Guo, Kai Zhang, Bingran Yu* and Fu-Jian Xu*

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Injectable hydrogels of recombinant human collagen type III and chitosan with antibacterial and antioxidative activities for wound healing

Li Xiong, Chen Zhou, Lei Tong, Xiaowen Han, Yaping Zou, Zuqin Dong, Jie Liang,* Yafang Chen* and Yujiang Fan

