

Journal of Materials Chemistry B

Materials for biology and medicine

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Cover

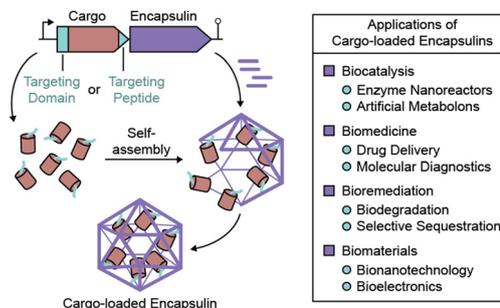
See Chongshan Liao *et al.*, pp. 4396-4407. Image reproduced by permission of Tong Xu and Chongshan Liao from *J. Mater. Chem. B*, 2023, **11**, 4396.

REVIEW

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Encapsulin cargo loading: progress and potential

Jesse A. Jones, Robert Benisch and Tobias W. Giessen*

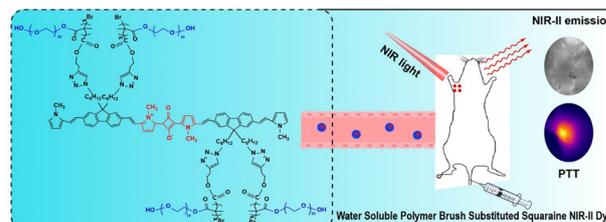


COMMUNICATION

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Water-soluble polymer brush-substituted squaraine NIR-II dye for efficient photothermal therapy

Xiaoli Li, Song Guo, Weixing Deng,* Si Wu, Pengfei Sun* and Yuanli Liu*



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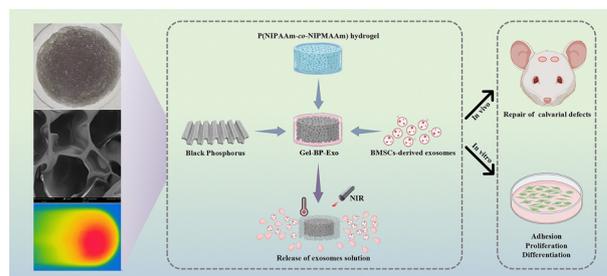
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Black phosphorus thermosensitive hydrogels loaded with bone marrow mesenchymal stem cell-derived exosomes synergistically promote bone tissue defect repair

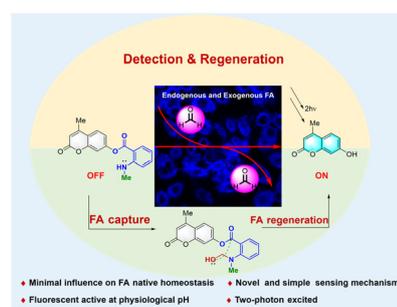
Tong Xu, Yongmei Hua, Peng Mei, Deliang Zeng, Shengjie Jiang and Chongshan Liao*



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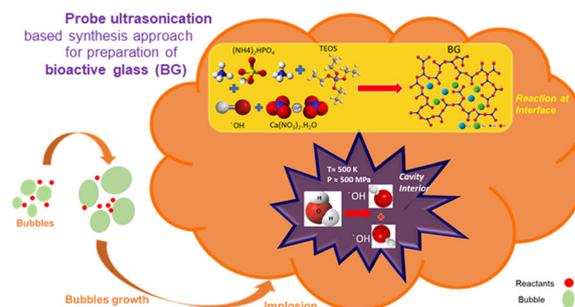
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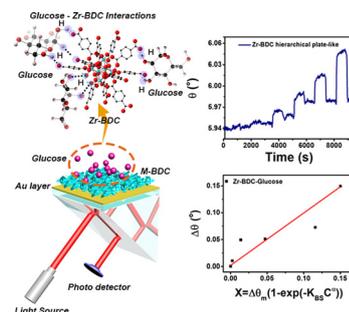
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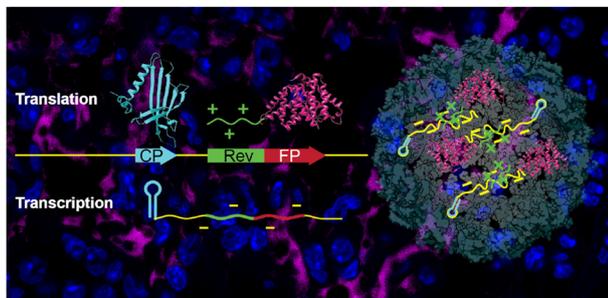
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Gilang Gumilar,* Silvia Chowdhury, Ganes Shukri, Aep Patah, Nugraha Nugraha, Joel Henzie, Isa Anshori, Yusuf Valentino Kaneti and Brian Yulianto*



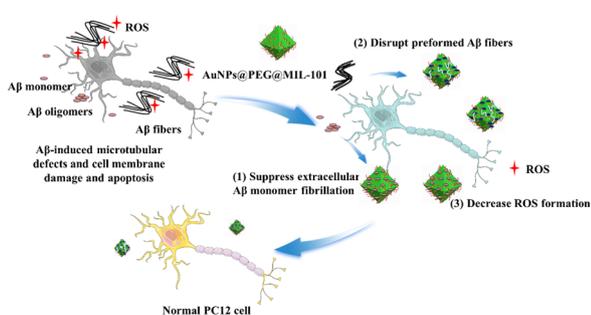
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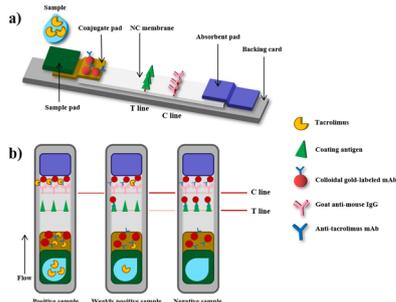
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Electrostatic assembly of gold nanoparticle and metal–organic framework nanoparticles attenuates amyloid β aggregate-mediated neurotoxicity

Licong Yang, Yutong Chen, Zhi Jia, Xiaoyu Yuan and Jie Liu*

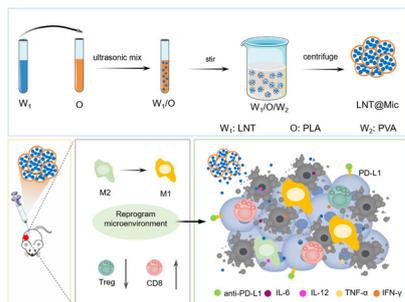
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Xiaoqian Jiang, Xinxin Xu, Hua Kuang, Liqiang Liu, Liguang Xu, Aihua Qu* and Chuanlai Xu*

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Lentinan-laden microspheres reprogram the tumor microenvironment and improve anti-PD-L1 efficacy

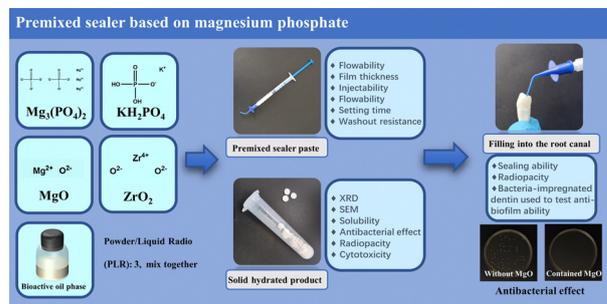
Haixin Wang, Xiao-Dong Gao* and Hua Yue*



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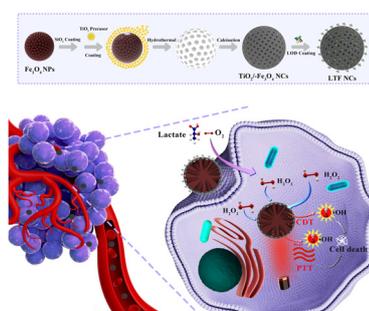
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A small pore black TiO_2 -/large pore Fe_3O_4 cascade nanoreactor for chemodynamic/photothermal synergetic tumour therapy

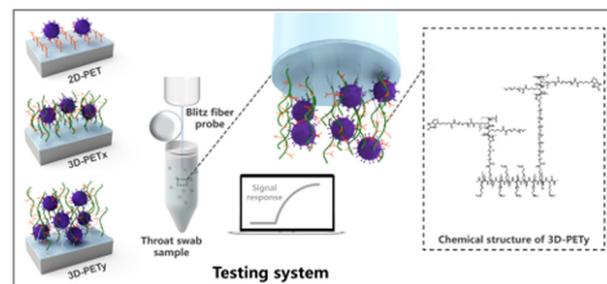
Yali Shi, Wenya Chang, Liying Zhao, Jiaqi Zhang, Yumeng Yue, Zhuoying Xie* and Dawei Deng*



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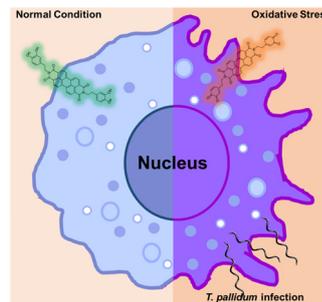
Wenwei Pan, Ziyu Han, Ye Chang, Xu Yan, Feng Zhou, Sihong Shen and Xuexin Duan*



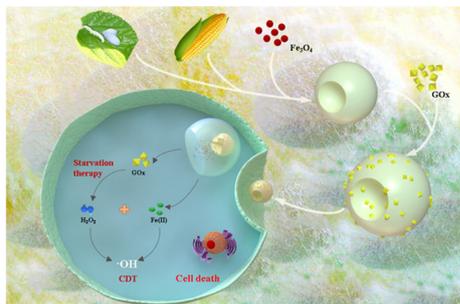
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A tunable fluorescent probe for superoxide anion detection during inflammation caused by *Treponema pallidum*

Weiqiang Lin, Jialin Huang, Shuang Guo, Meijiao Zhao, Xu Chen, Qiuping Shang, Ruoyuan Zhang, Guangfu Liao,* Judun Zheng* and Yuhui Liao*



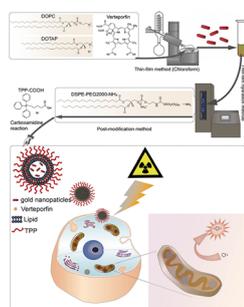
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Enzyme/inorganic nanoparticle dual-loaded animal protein/plant protein composite nanospheres and their synergistic effect in cancer therapy

Qiaolin Chen, Mi Wu, Jinrong Yao, Zhengzhong Shao and Xin Chen*

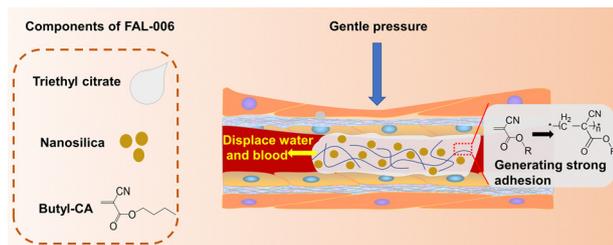
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An X-ray activatable gold nanorod encapsulated liposome delivery system for mitochondria-targeted photodynamic therapy (PDT)

Xuefan Gu, Tiantian Shu, Wei Deng, Chao Shen and Youshen Wu*

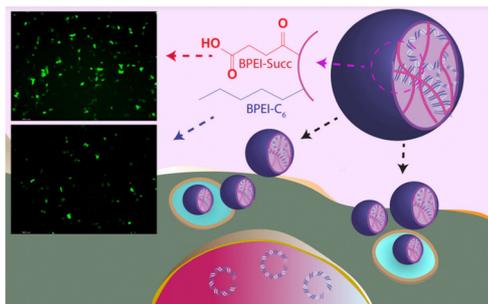
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A cyanoacrylate/triethyl citrate/nanosilica-based closure glue with wet-adhesion capability for treatment of superficial varicose veins

Jia Wang, Xia Tian, Wei Zhang, Xiao Dong, Zhanguang Wang, Shiyuan Wang, Yonghan Liang, Wei Wang,* Liang Xu* and Yunlan Li*

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Balancing gene transfection and cytotoxicity of nucleic acid carriers with focus on ocular and hepatic disorders: evaluation of hydrophobic and hydrophilic polyethyleneimine derivatives

Fernando A. de Oliveira, Lindomar J. C. Albuquerque, Michelle Nascimento-Sales, Marcelo A. Christoffolete, Ismael C. Bellettini and Fernando C. Giacomelli*

