

# Journal of Materials Chemistry B

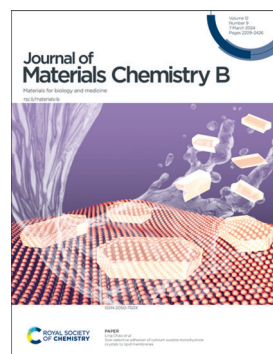
Materials for biology and medicine

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### Cover

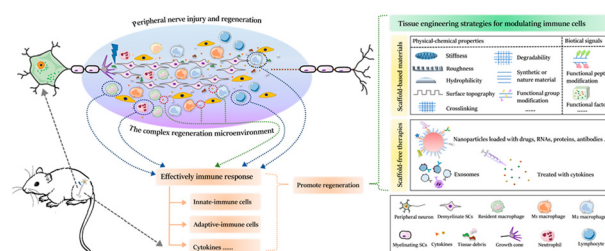
See Ling Chao *et al.*, pp. 2274–2281. Image reproduced by permission of Ziyu Cui and Che-Lun Chin from *J. Mater. Chem. B*, 2024, 12, 2274.

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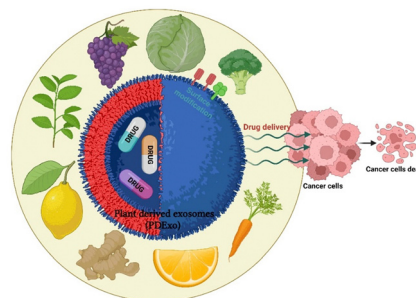
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Shrishti Madhan, Rajib Dhar and Ariketh Devi\*



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Elemental answers

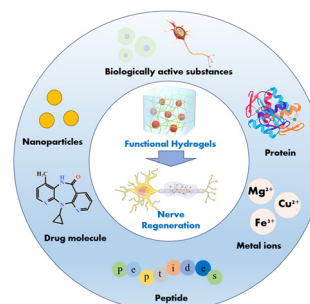


## REVIEWS

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Zhengang Sun, Huiqiang Hu, Xingchao Zhang, Xin Luan, Yongming Xi,\* Gang Wei\* and Xuanfen Zhang\*

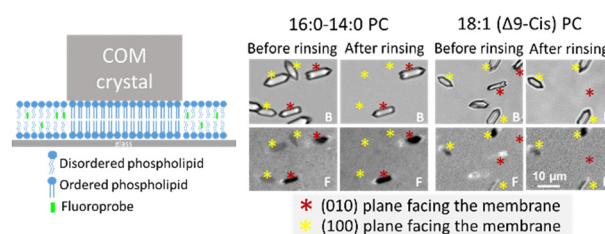


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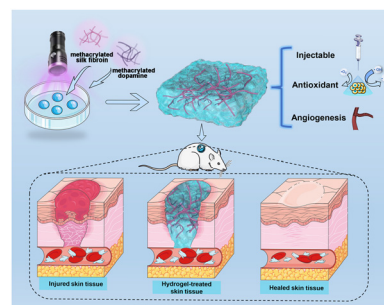
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### An injectable photocuring silk fibroin-based hydrogel for constructing an antioxidant microenvironment for skin repair

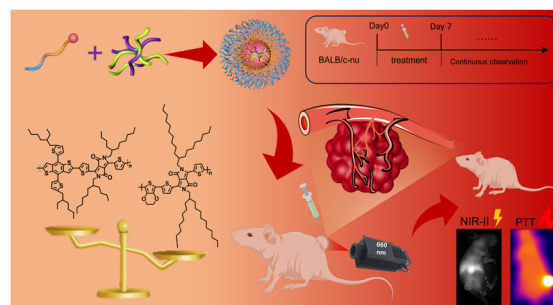
Tangjinhai Liu, Yuxiang Wang, Jingyi Liu, Xiaowen Han, Yaping Zou, Peilei Wang, Ruiling Xu, Lei Tong, Junli Liu,\* Jie Liang, Yong Sun, Yujiang Fan\* and Xingdong Zhang



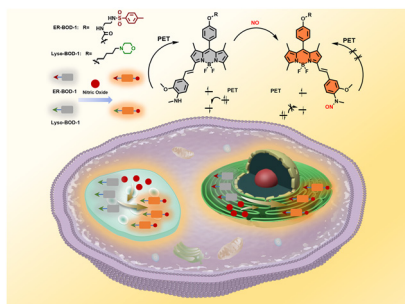
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Mengyu Cao, Xuezhen Ma, Chang Wang, Wentao Zou, Fang Wang, Bing Yu,\* Hailin Cong\* and Youqing Shen



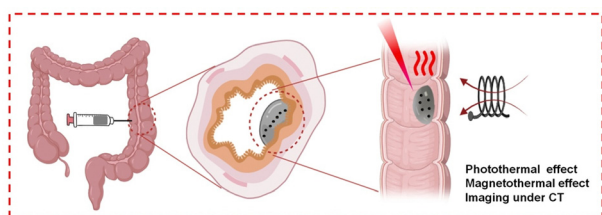
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Lixin Sun, Xinyu Wang, Rui Chen, Xuemei Dong, Jie Sun, Chengjun Dong, Haijiao Xie, Xianfeng Gu\* and Chunchang Zhao\*

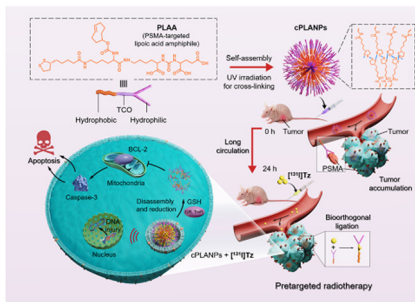
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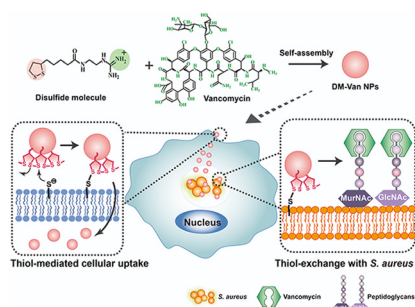
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### A disulfide molecule–vancomycin nanodrug delivery system efficiently eradicates intracellular bacteria

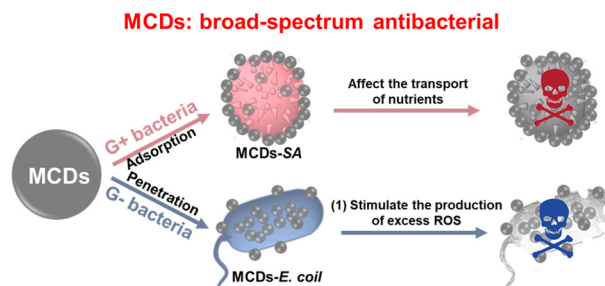
Yuting Luo, Liu Su, Hui Yang, Aizhen Geng, Shumeng Bai\* and Jie Zhou\*



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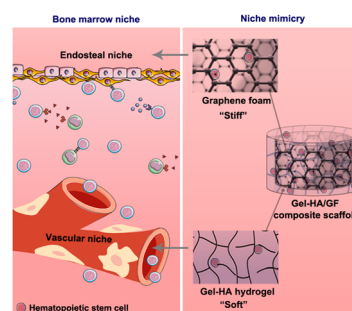
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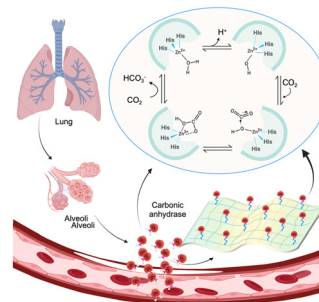
Jing Hong, Zhanchi Zhu, Leisha Cui, Zhaojun Wang, Ying Hao,\* Xiaopeng Tian\* and Guosheng Cheng\*



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### Immobilization of carbonic anhydrase on modified PES membranes for artificial lungs

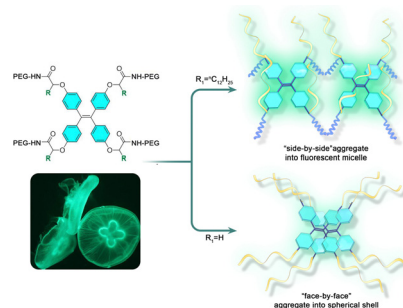
Yi Wang, Chong Cheng, Shuang Li, Shudong Sun\* and Changsheng Zhao\*



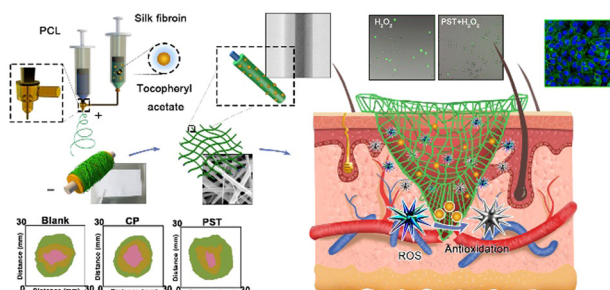
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Yujie Zheng, Yu Li, Changsheng Ke, Mojie Duan, Lijun Zhu, Xin Zhou, Minghui Yang, Zhong-Xing Jiang\* and Shizhen Chen\*



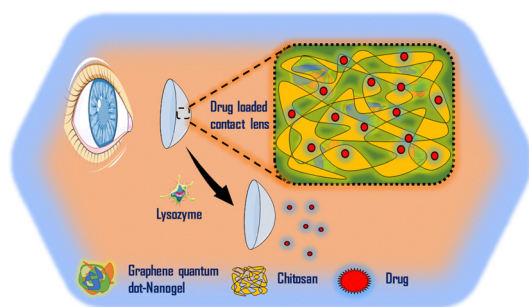
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### Fabrication of a core-shell nanofibrous wound dressing with an antioxidant effect on skin injury

Kexin Feng, Jinlan Tang, Ruiyang Qiu, Bin Wang,\*  
Jianglin Wang and Weikang Hu\*

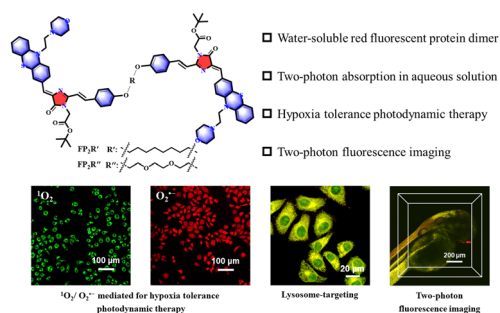
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### A promising 'single' and 'dual' drug-nanocomposite enriched contact lens for the management of glaucoma in response to the tear fluid enzyme

B. N. Kumara, K. Velmurugan, M. Vivek Ghate,  
R. Shambhu, Jayabalan Nirmal\* and  
K. Sudhakara Prasad\*

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### Water-soluble red fluorescent protein dimers for hypoxic two-photon photodynamic therapy

Wan Feng and Ying Qian\*

