

# Journal of Materials Chemistry B

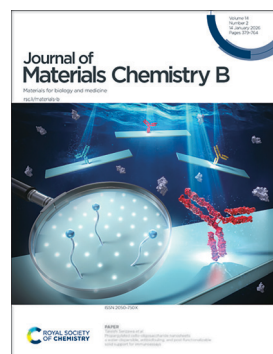
Materials for biology and medicine

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### Cover

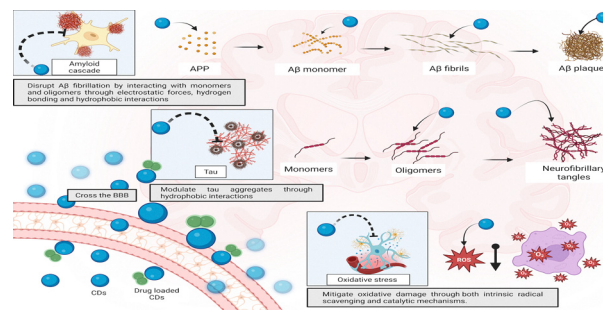
See Takeshi Serizawa  
*et al.*, pp. 528–538.  
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*J. Mater. Chem. B*,  
2026, 14, 528.

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### Targeting Alzheimer's pathophysiology with carbon dots: from mechanisms to therapy

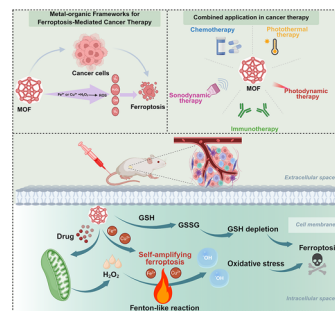
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Hong Ma, Fangjun Huang, Yutong Chen, Man Zhe, Lu Qin, Lina Wu, Xuan Pei, Guang Yang and Fei Xing\*



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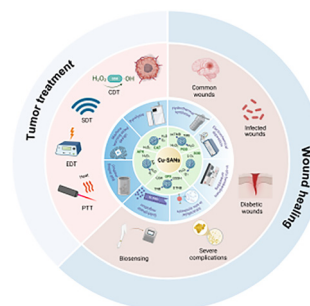


## REVIEWS

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### Application of copper based single-atom nanozymes in wound healing and tumor treatment

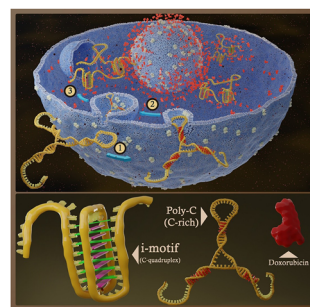
Huina He, Bin Cheng, Qianbing Wan\* and Xibo Pei\*



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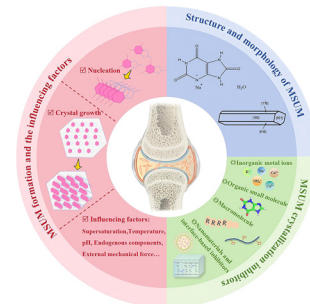
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Xiangyu Han, Xiaoshuang He, Peiya Shen, Jianjun Zhang, Mi Tang, Yuan Gao,\* Shuai Qian\* and Yuanfeng Wei\*

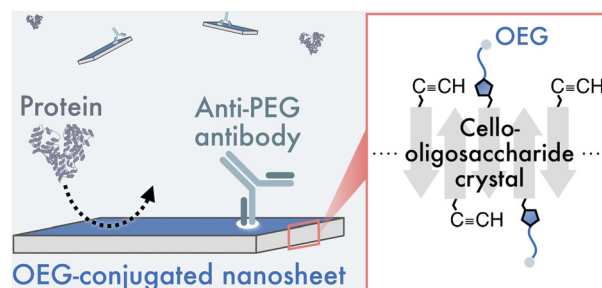


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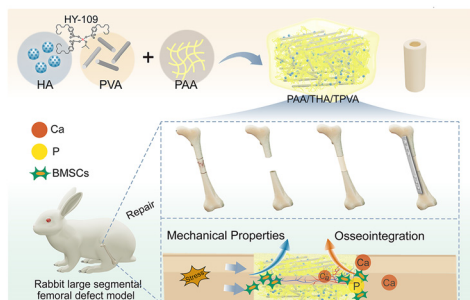
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Kai Sugiura, Yuuki Hata, Koichiro Ishibashi, Toshiki Sawada, Hiroshi Tanaka, Go Watanabe and Takeshi Serizawa\*



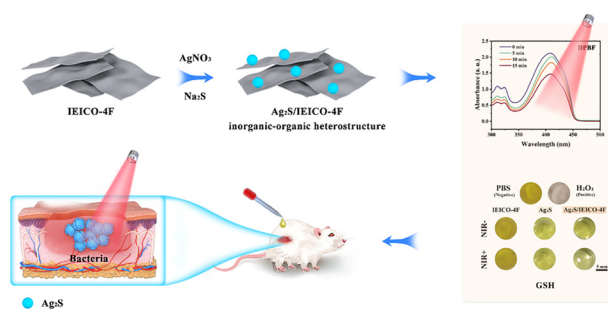
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Yanan Wu, Haitao Peng, Dawei Yan, Haohao Ren, Zhou Xiang,\* Fei Xing\* and Yonggang Yan\*

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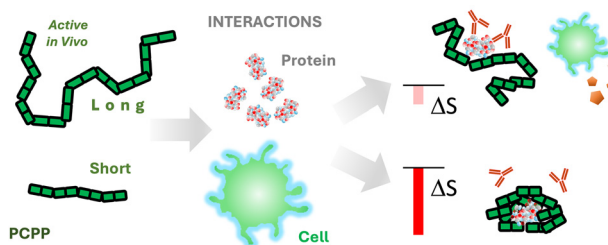


### Organic-inorganic heterostructure empowers infected wound healing

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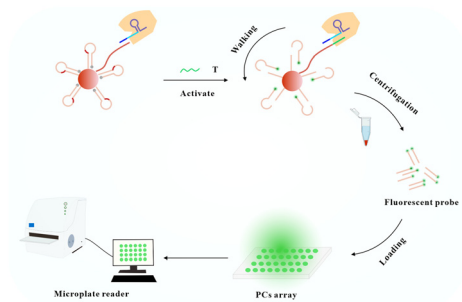
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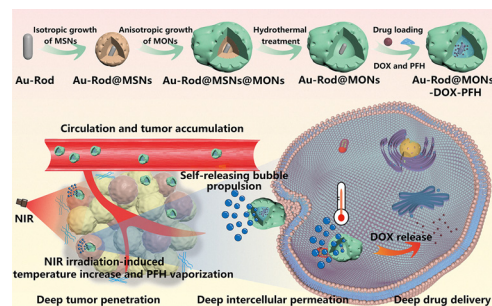
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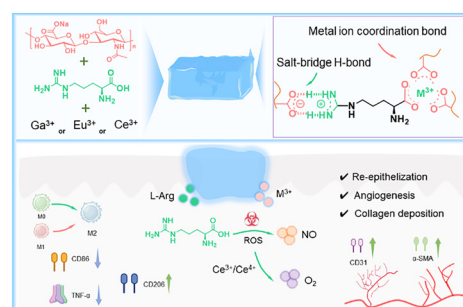
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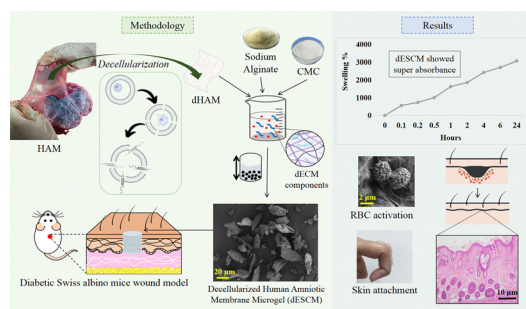
Yanzheng Chen, Qing Wang, Fangrui Ning, Yingying Li, Yushi He,\* Mingsheng Chen\* and Chang-Ming Dong\*



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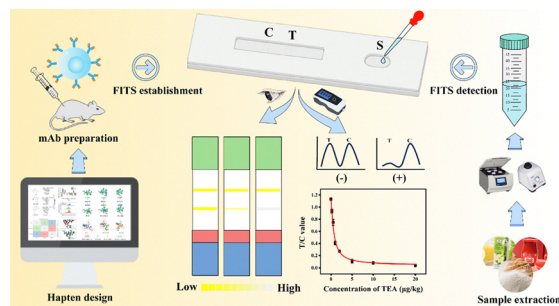
Fabliha Noshin, Dipta Roy, Mobin Ibne Mokbul and M. Tarik Arifat\*



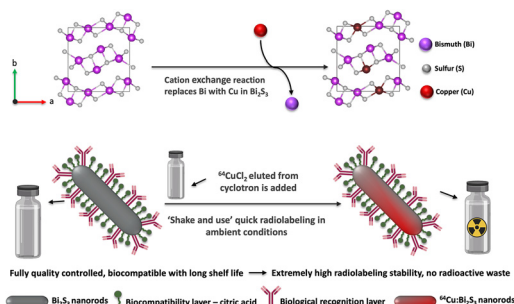
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Xiaofang Li, Lingling Guo, Chuanlai Xu, Aihua Qu\* and Hua Kuang



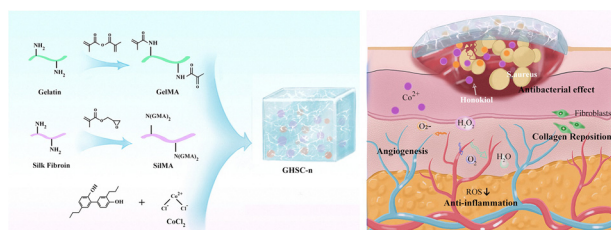
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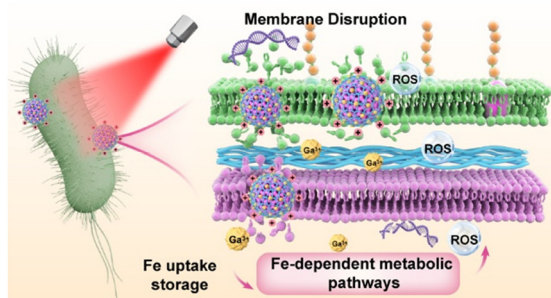
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### A multifunctional composite hydrogel with natural polymer silk fibroin and gelatin for promoting chronic wound healing

Shiqi Li, Lingzhen Lin, Jiaxin Zhao, Yuanwu Zhong, Kan Jing and Tao Nie\*

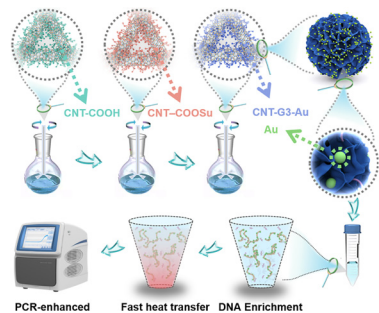
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Jing Qiao,\* Lingling Cao, Ben Fan, Huan Gao and Ying-Shi Guan\*

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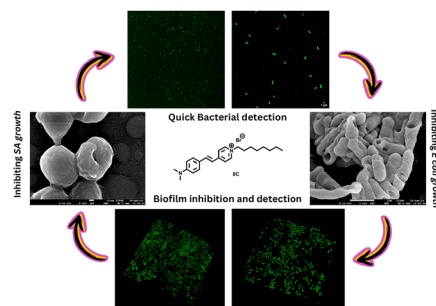
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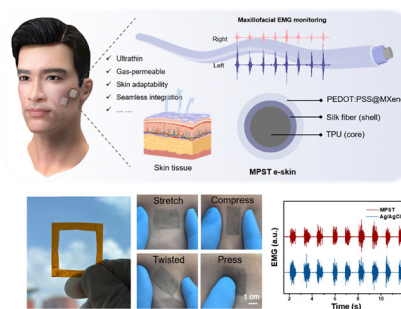
Gayatri Bhattad, Yogesh Dubey, Abhijit Mishra and Sriram Kanvah\*



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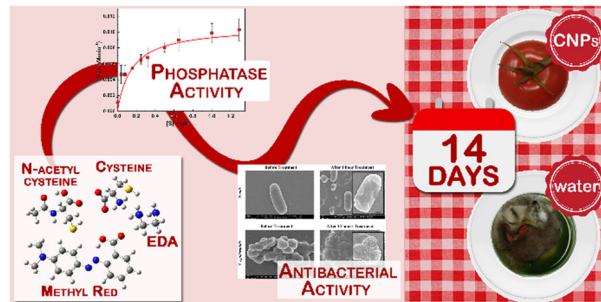
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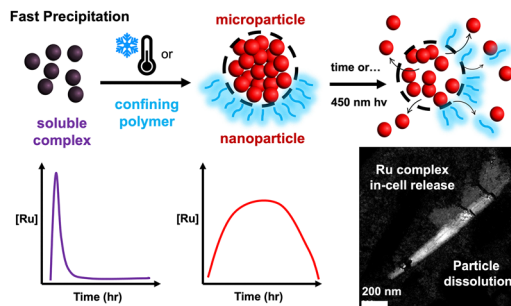
Evans Okoffuo Asare, Enrico Benassi,\* Tri Pham,\* Enrico Marsili and Haiyan Fan\*



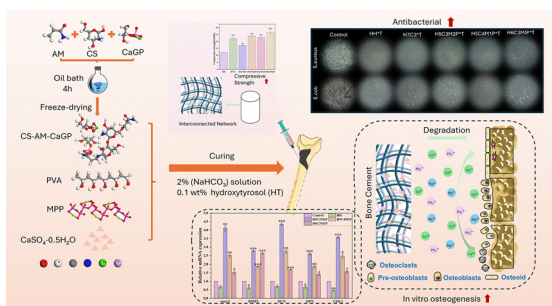
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Jérôme Laisney, Sarah M. Kriger, Dmytro Havrylyuk, Jason M. Unrine, David K. Heidary and Edith C. Glazer\*



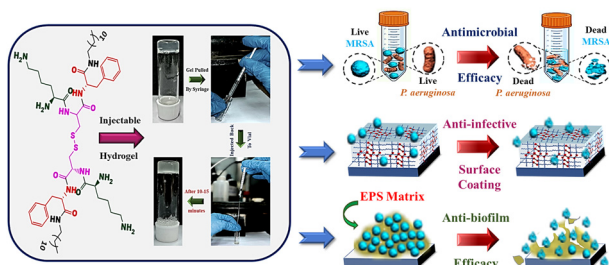
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Li Zhou, Xinyue Yang, Chao Sun, Min Song, Sijia Ai, Yonggang Yan\* and Qiyi Zhang\*

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Xiaodan Chen, Danling Cheng, Ningyue Yu, Jian Feng, Jingchao Li\* and Lin Lin\*

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