

Journal of Materials Chemistry B

## Materials for biology and medicine

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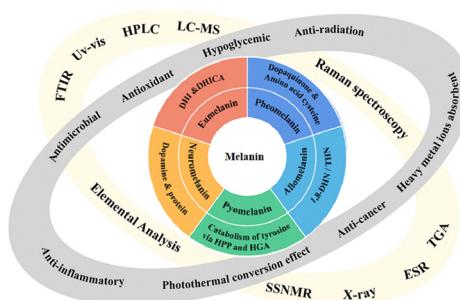
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Dezhi Yang, Hong Liang  
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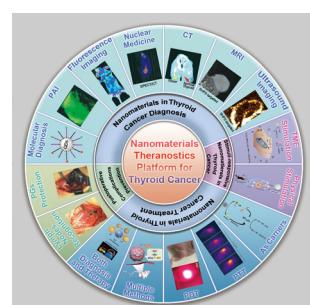
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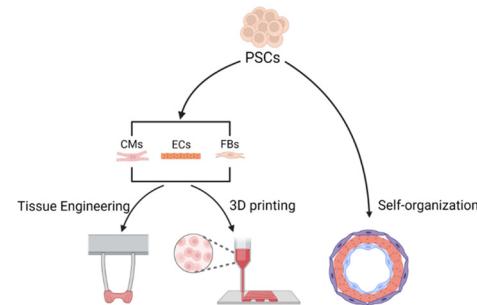


## REVIEWS

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**Cardiac organoid: multiple construction approaches and potential applications**

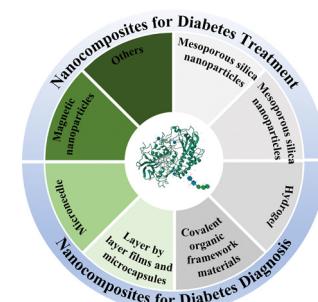
Ziyi Yang, Yajie Zhang, Jine Wang, Jingbo Yin, Zheng Wang\* and Renjun Pei\*



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Dejun Yang, Chunyan Cai, Kai Liu, Zhaolei Peng, Chunmei Yan, Jingjing Xi, Fan Xie\* and Xiaofang Li\*

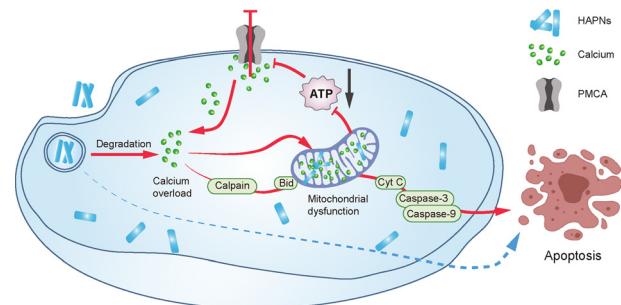


## PAPERS

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**Hydroxyapatite nanoparticles induced calcium overload-initiated cancer cell-specific apoptosis through inhibition of PMCA and activation of calpain**

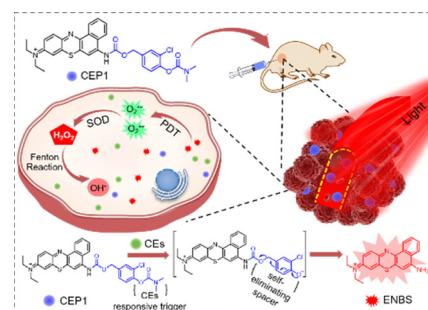
Xiulin Dong, Chunyu Zang, Yi Sun, Shuiquan Zhang, Changsheng Liu and Jiangchao Qian\*



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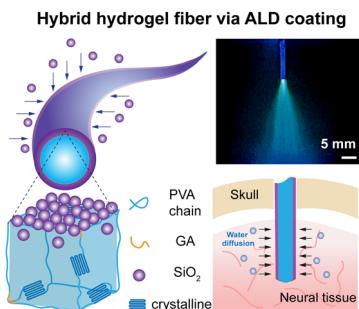
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Beilei Wang, Yong Huang,\* Dezhi Yang,\* Jiayao Xu, Xiaohong Zhong, Shulin Zhao and Hong Liang\*



## PAPERS

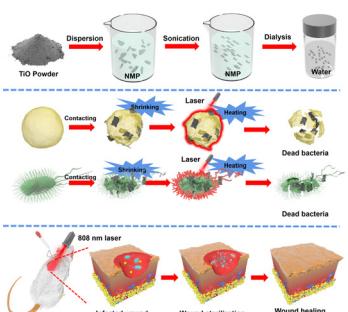
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### A nanoscale inorganic coating strategy for stabilizing hydrogel neural probes *in vivo*

Sizhe Huang, Sabrina Urbina Villafranca, Iyanah Mehta, Omri Yosfan, Eunji Hong, Anyang Wang, Nianqiang Wu, Qianbin Wang\* and Siyuan Rao\*

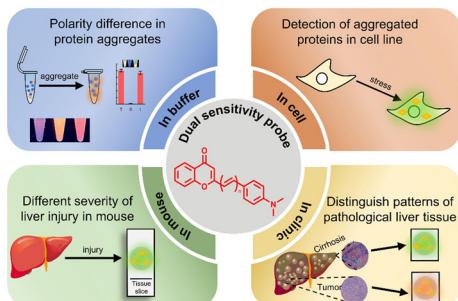
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### Two-dimensional TiO nanosheets with photothermal effects for wound sterilization

Wei Zhang, Hongrang Chen, Haotian Tian, Qiang Niu, Jianghao Xing, Tao Wang, Xulin Chen and Xianwen Wang\*

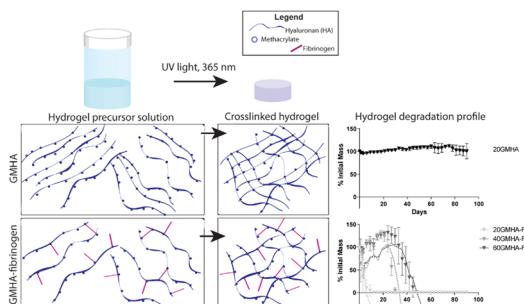
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Biao Jing, Junpeng Li, Kun Guo, Lianggang Zeng, Jidong Sui, Zhenduo Zhang, Zhiming Wang, Hao Jin, Jialu Sun, Zhao Xue, Qi Zhao, Wang Wan\* and Xuepeng Dong\*

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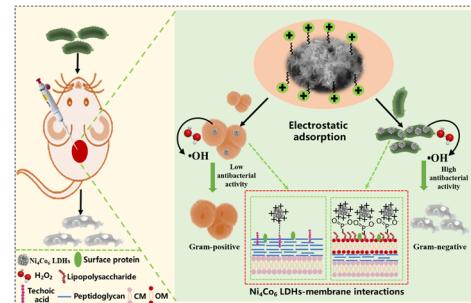


## PAPERS

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## NiCo LDH nanozymes with selective antibacterial activity against Gram-negative bacteria for wound healing

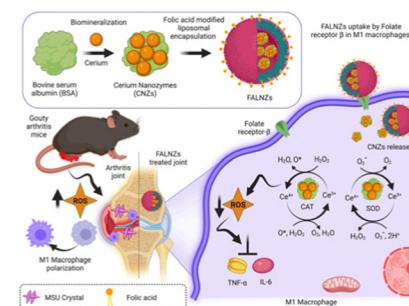
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## Targeted treatment of gouty arthritis by biominerilized metallic nanozyme-mediated oxidative stress-mitigating nanotherapy

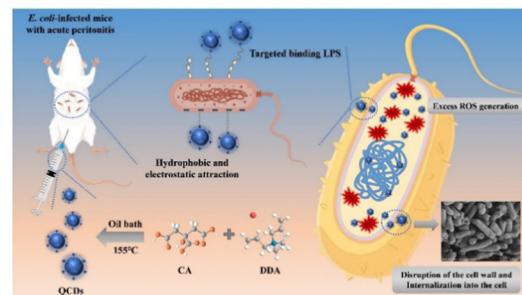
Adityanarayan Mohapatra, Ayeskanta Mohanty, Padmanaban Sathiyamoorthy, Sahil Chahal, Veena Vijayan, Santhosh Kalash Rajendrakumar and In-Kyu Park\*



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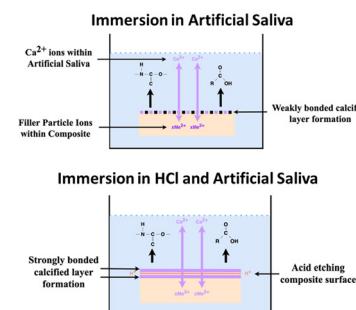
Xintian Zhang, Pingping Wu, Xiaoli Hao, Jiamiao Liu, Zhengjun Huang, Shaohuang Weng,\* Weifeng Chen, Lingling Huang\* and Jianyong Huang\*



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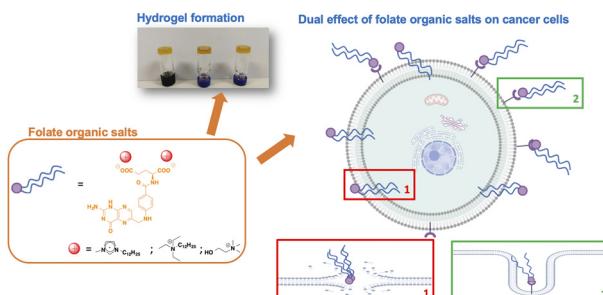
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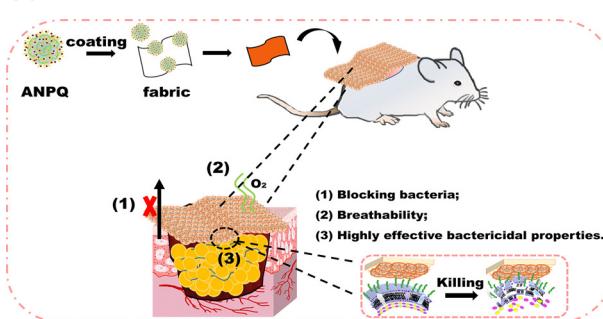
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Minjun Zhang, Xinjie Liu, Xiaofan Li, Wan Zhou, Huibin Yu, Shenqi Wang\* and Lei Zhou\*

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### Highly active nanoparticle enhanced rapid adsorption-killing mechanism to combat multidrug-resistant bacteria

Yunyun Xue, Zihao Zhao, Wenbo Huang, Zelin Qiu, Xiao Li, Yu Zhao, Chuyao Wang, Ronglu Cui, Shuyang Shen, Hua Tian, Lifeng Fang,\* Rong Zhou\* and Baoku Zhu\*

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Raquel Fernández-Penas, Cristóbal Verdugo-Escamilla, Carla Triunfo, Stefanie Gärtner, Annarita D'Urso, Francesca Oltolina, Antonia Follenzi, Gabriele Maoloni, Helmut Cölfen, Giuseppe Falini and Jaime Gómez-Morales\*



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Medha Surendranath, Rekha M Ramesan, Prakash Nair and Ramesh Parameswaran\*

