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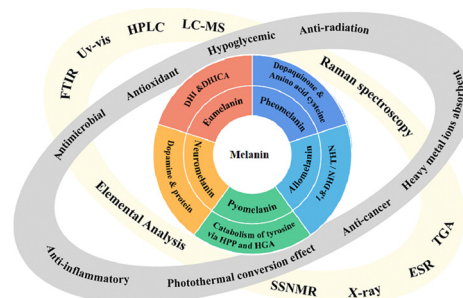
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# Journal of Materials Chemistry B

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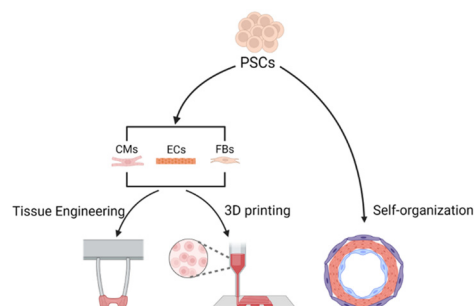


## REVIEWS

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

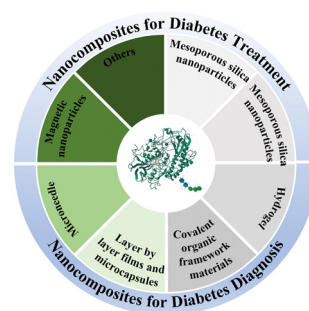
Ziyi Yang, Yajie Zhang, Jine Wang, Jingbo Yin, Zheng Wang\* and Renjun Pei\*



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

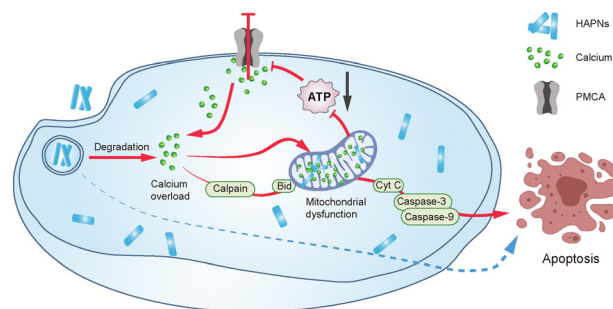


## PAPERS

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

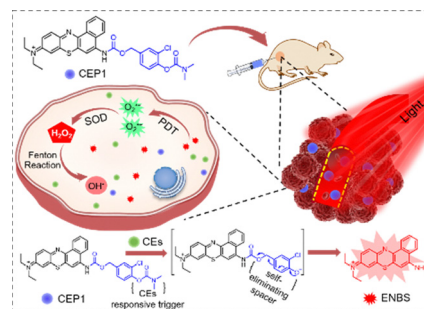
Xiulin Dong, Chunyu Zang, Yi Sun, Shuiquan Zhang, Changsheng Liu and Jiangchao Qian\*



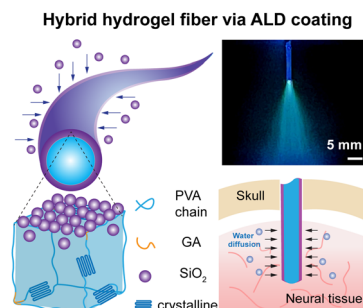
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### A S-substituted Nile Blue-derived bifunctional near-infrared fluorescent probe for *in vivo* carboxylesterase imaging-guided photodynamic therapy of hepatocellular carcinoma

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



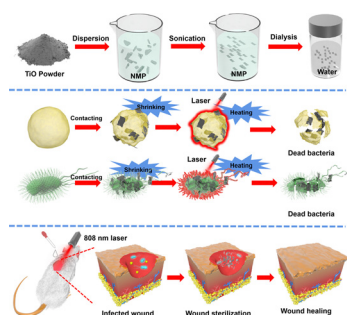
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Sizhe Huang, Sabrina Urbina Villafranca, Iyanah Mehta, Omri Yosfan, Eunji Hong, Anyang Wang, Nianqiang Wu, Qianbin Wang\* and Siyuan Rao\*

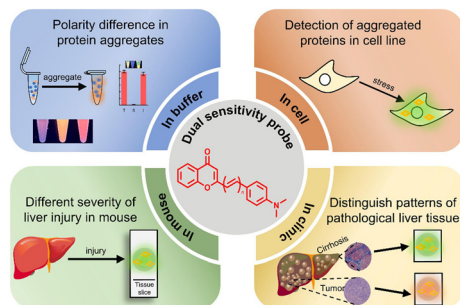
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### Two-dimensional TiO nanosheets with photothermal effects for wound sterilization

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

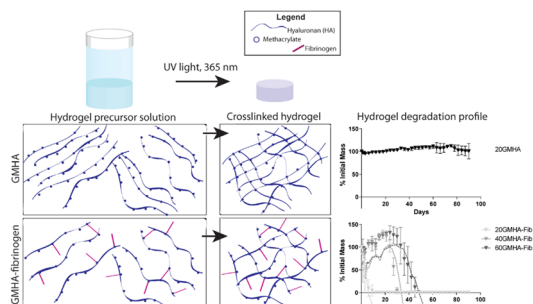
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### Solvatochromic sensors detect proteome aggregation in stressed liver tissues with hepatic cancer and cirrhosis

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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### Development of a bioactive tunable hyaluronic-protein bioconjugate hydrogel for tissue regenerative applications

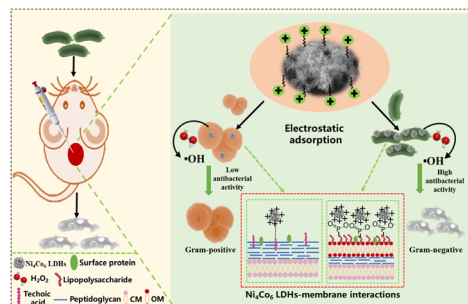
Mary Kasper, Madison Cydis, Abdullah Afridi, Bassam M. Smadi, Yuan Li, Alban Charlier, Brooke E. Barnes, Julia Hohn, Michael J. Cline, Wayne Carver, Michael Matthews, Daniel Savin, Carlos M. Rinaldi-Ramos and Christine E. Schmidt\*



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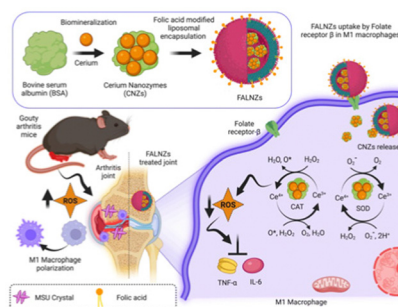
Li Su,\* Sainan Qin, Xinai Yu, Yifei Chen, Liang Wang,\* Wenpei Dong, Zhongjian Xie\* and Han Zhang



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

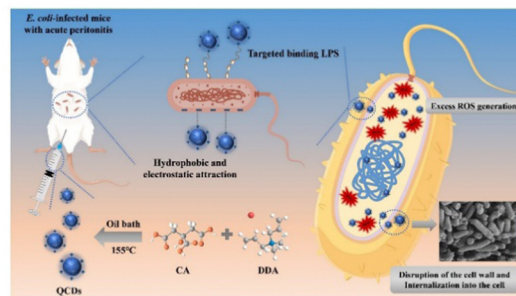
Adityanarayan Mohapatra, Ayeskanta Mohanty, Padmanaban Sathiyamoorthy, Sahil Chahal, Veena Vijayan, Santhosh Kalash Rajendrakumar and In-Kyu Park\*



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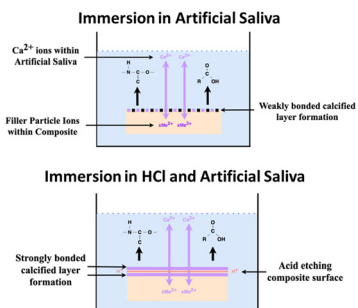
Xintian Zhang, Pingping Wu, Xiaoli Hao, Jiamiao Liu, Zhengjun Huang, Shaohuang Weng,\* Weifeng Chen, Lingling Huang\* and Jianyong Huang\*



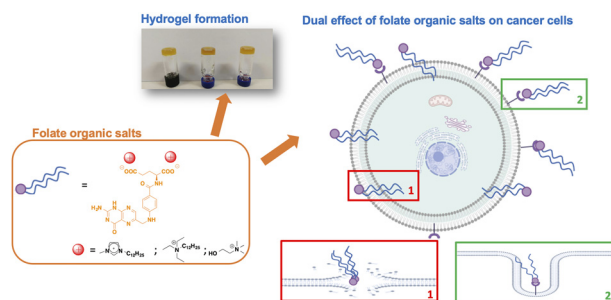
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Brenda Ah-yan Leung, William Joe, Sajjad S. Mofarah,\* Charles C. Sorrell, Roozbeh Abbasi, Mohsen Azadeh, Joseph A Arsecularatne and Pramod Koshy\*



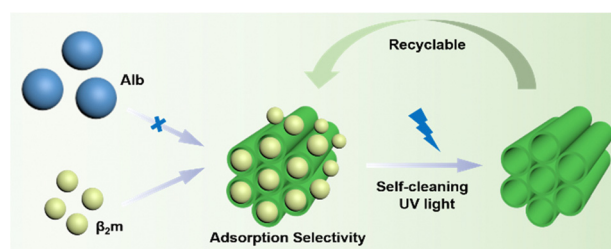
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Carla Rizzo, Patrizia Cancemi, Miriam Buttacavoli, Gianluca Di Cara, Cesare D'Amico, Floriana Billeci, Salvatore Marullo and Francesca D'Anna\*

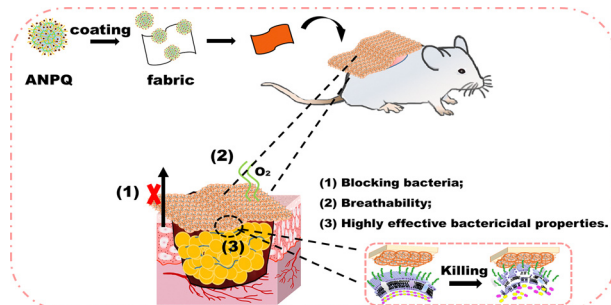
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### A novel recyclable hemoperfusion adsorbent based on $\text{TiO}_2$ nanotube arrays for the selective removal of $\beta_2$ -microglobulin

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

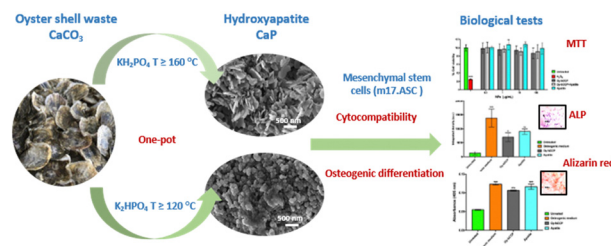
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Raquel Fernández-Penas, Cristóbal Verdugo-Escamilla, Carla Triunfo, Stefanie Gärtner, Annarita D'Urso, Francesca Oltolina, Antonia Follenzi, Gabriele Maoloni, Helmut Cölfen, Giuseppe Falini and Jaime Gómez-Morales\*



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

