

Biomaterials Science

An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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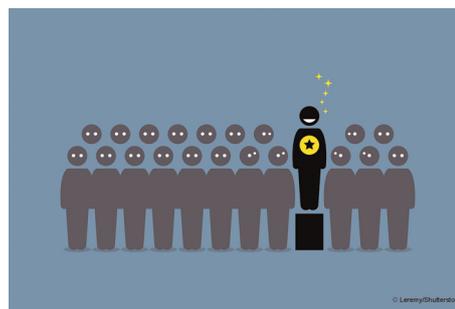
See Jianfeng Shen, Yan Fang *et al.*, pp. 3826–3840.

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EDITORIAL

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Outstanding Reviewers for *Biomaterials Science* in 2023

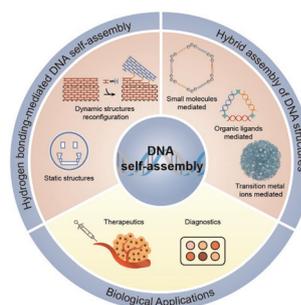


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Self-assembled methodologies for the construction of DNA nanostructures and biological applications

Rui Ye, Yuqi Wang,* Yan Liu, Ping Cai and Jie Song*



Environmental Science: Atmospheres

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Fundamental questions
Elemental answers

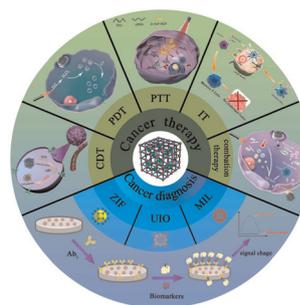


REVIEWS

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Prospects, advances and biological applications of MOF-based platform for the treatment of lung cancer

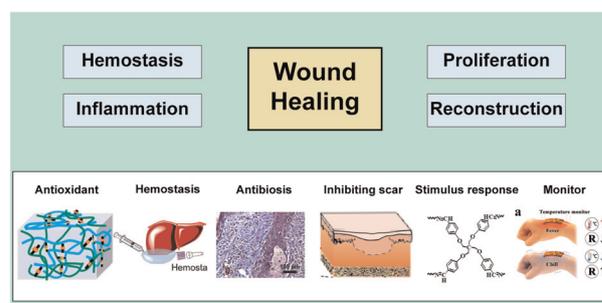
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A comprehensive exploration of hydrogel applications in multi-stage skin wound healing

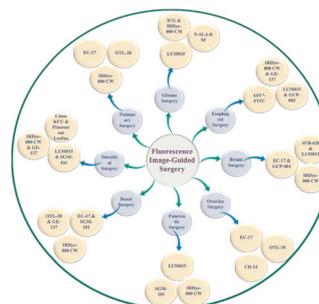
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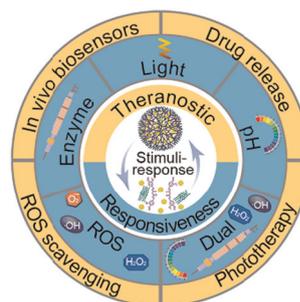
Zia Ullah, Shubham Roy, Saz Muhammad, Chen Yu,
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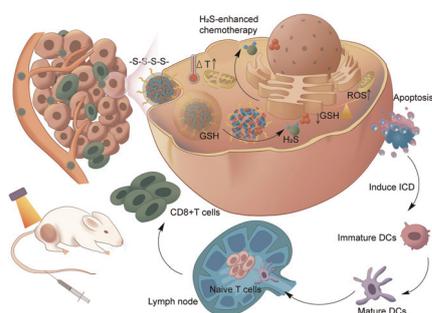
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Stimuli-responsive polymer-based nanosystems for cardiovascular disease theranostics

Yuying Liu, Congcong Li, Xiao Yang, Bin Yang* and
Qinrui Fu*



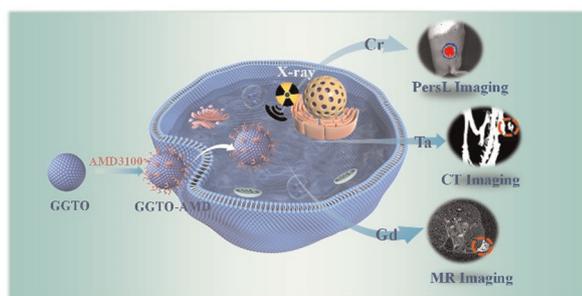
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Enhancing antitumor immunity with stimulus-responsive mesoporous silicon in combination with chemotherapy and photothermal therapy

Shuai Chen, Rui Huang, Feiyang Shen, Yijia Wu, Yao Lin, Xiaoyu Yang, Jianfeng Shen* and Yan Fang*

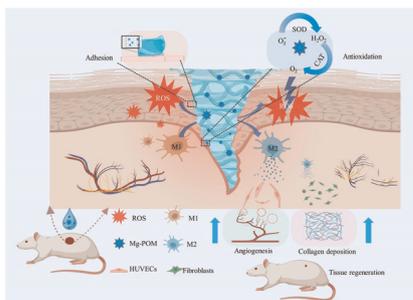
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X-ray activated near-infrared persistent luminescence nanoparticles for trimodality *in vivo* imaging

Jinyuan Wang, Xia Sun,* Jixuan Xu, Lin Liu, Peng Lin, Xiaofang Luo, Yan Gao, Junpeng Shi* and Yun Zhang*

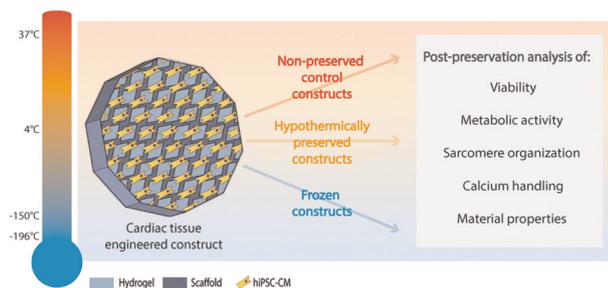
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Nano-enzyme functionalized hydrogels promote diabetic wound healing through immune microenvironment modulation

Chaoyu Pu, Yong Wang, Yuling Li, Yi Wang, Linfeng Li, Honglin Xiang, Qiyuan Sun, Yuan Yong, Hanfeng Yang* and Ke Jiang*

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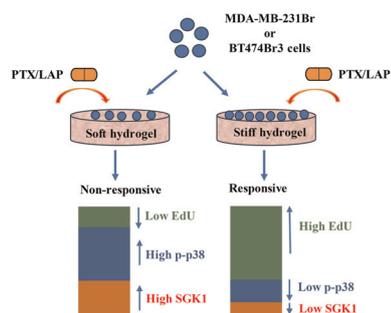


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Matrix stiffness influences response to chemo and targeted therapy in brain metastatic breast cancer cells

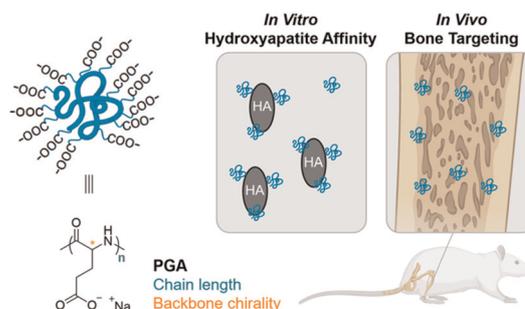
Venu Yakati, Lalita A. Shevde and Shreyas S. Rao*



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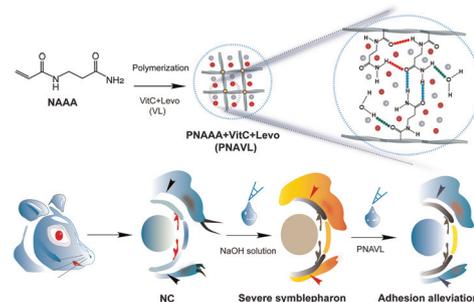
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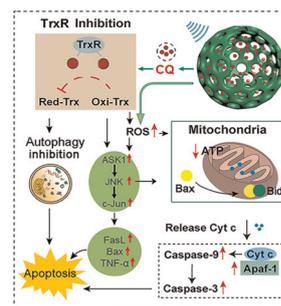
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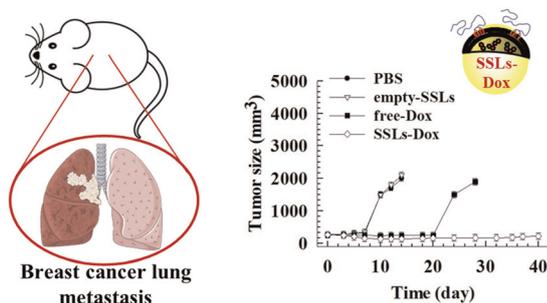
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Inhibition of thioredoxin reductase and upregulation of apoptosis genes for effective anti-tumor sono-chemotherapy using a meso-organosilica nanomedicine

Mengwen Li, Yue Tian, Xiaoming Wen, Jingke Fu,* Jianyong Gao* and Yingchun Zhu*



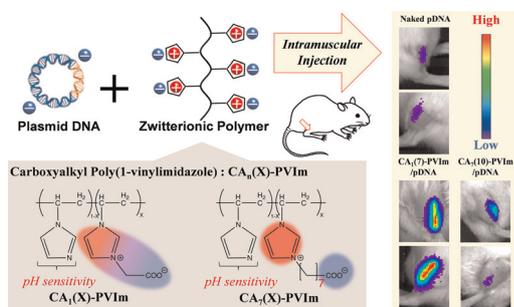
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Improved anti-breast cancer activity by doxorubicin-loaded super stealth liposomes

Donatella Paolino, Nicola d'Avanzo, Elena Canato, Luigi Ciriolo, Antonella Grigoletto, Maria Chiara Cristiano, Antonia Mancuso, Christian Celia,* Gianfranco Pasut* and Massimo Fresta

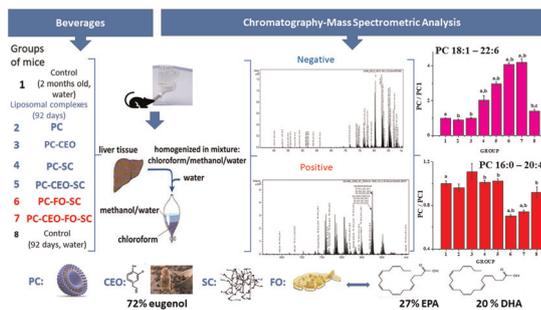
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Diffusive delivery of plasmid DNA using zwitterionic carboxyalkyl poly(1-vinylimidazole) into skeletal muscle *in vivo*

Ren Misaizu, Yoko Endo-Takahashi, Kei Nirasawa, Yoichi Negishi and Shoichiro Asayama*

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Dietary liposomal complexes change the fatty acid composition of hepatic bioactive phospholipids in F1(C57b6xDBA2\6) mice, as shown by a lipidomic approach

Nadezhda Palmina,* Alexey Kononikhin, Vitaliy Chagovets, Alisa Tokareva, Anna Antipova, Elena Martirosova and Maria Semenova

