

Biomaterials Science

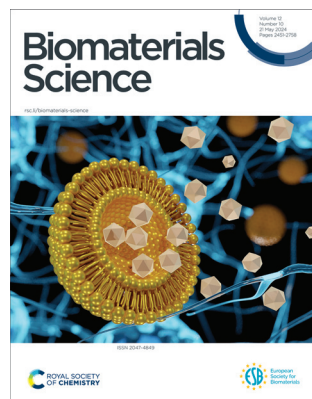
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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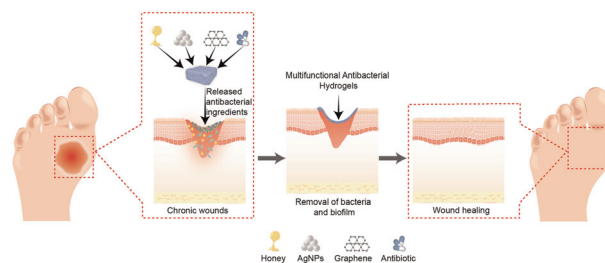
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Multifunctional antibacterial hydrogels for chronic wound management

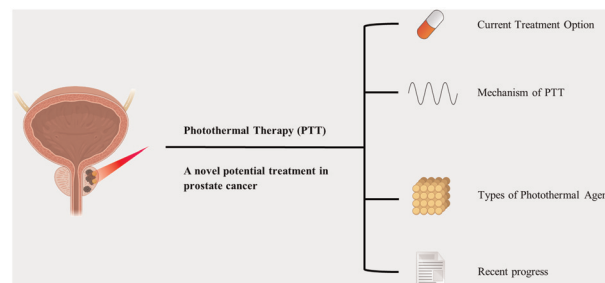
Yungang Hu, Lu Yu, Qiang Dai, Xiaohua Hu and Yuming Shen*



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Zirui Dong, Kaming Xue, Anushikha Verma, Jian Shi, Zhihao Wei, Xiaotian Xia,* Keshan Wang* and Xiaoping Zhang*



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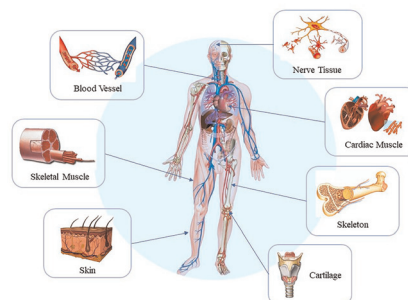
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REVIEWS

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Janus hydrogels: merging boundaries in tissue engineering for enhanced biomaterials and regenerative therapies

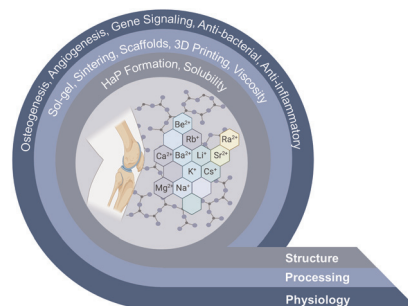
Yingxue Jiang, Chenhui Zhu, Xiaoxuan Ma* and Daidi Fan*



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The unexplored role of alkali and alkaline earth elements (ALAEs) on the structure, processing, and biological effects of bioactive glasses

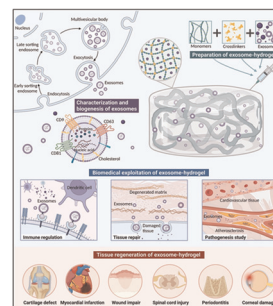
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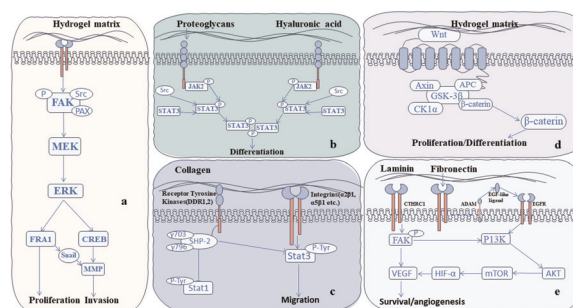
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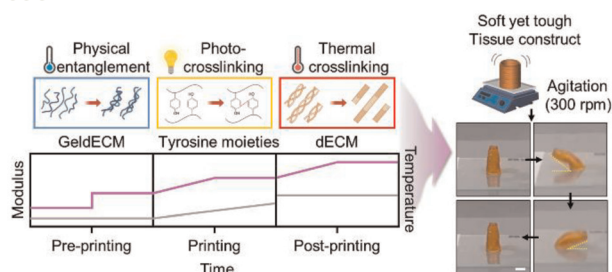
Applications of hydrogels in tissue-engineered repairing of temporomandibular joint diseases

Xuan Wang, Fushuang Liu, Tianyi Wang, Yikai He and Yongwen Guo*



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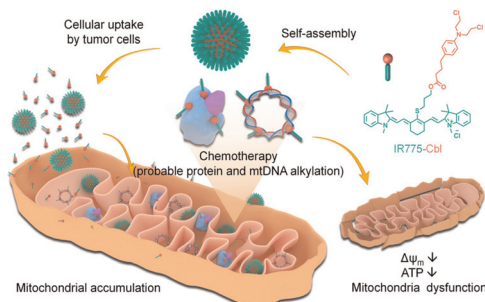
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Tissue-specific gelatin bioink as a rheology modifier for high printability and adjustable tissue properties

Hohyeon Han, Minji Kim, Uijung Yong, Yeonggwon Jo, Yoo-mi Choi, Hye Jin Kim, Dong Gyu Hwang, Dayoon Kang and Jinah Jang*

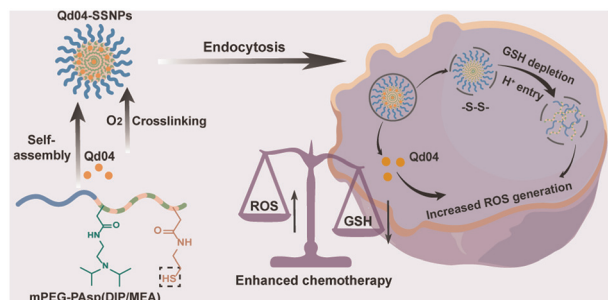
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A mitochondria-targeting heptamethine cyanine-chlorambucil formulated polymeric nanoparticle to potentiate native tumor chemotherapeutic efficacy

Jing Liu, Jie Zhang, Yongteng Zhang, Wei Wei, Meixiao Zhan, Zhiren Zhang,* Bing Liu,* Xianglong Hu* and Weiling He*

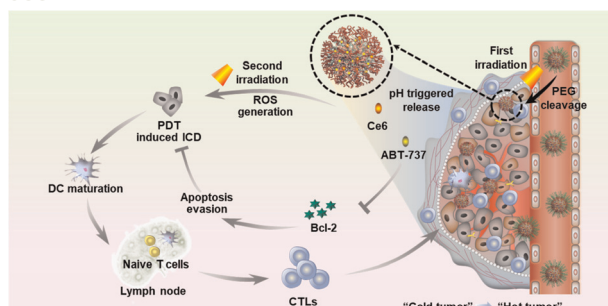
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Jianrong Cao, Keze Hong, Chengqi Lv, Weiting Jiang, Qi Chen, Rongze Wang* and Yong Wang*

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Light-inducible nanodrug-mediated photodynamic and anti-apoptotic synergy for enhanced immunotherapy in triple-negative breast cancer

Jing Huang, Xingliang Liu, Minzhao Lin, Zecong Xiao* and Xintao Shuai

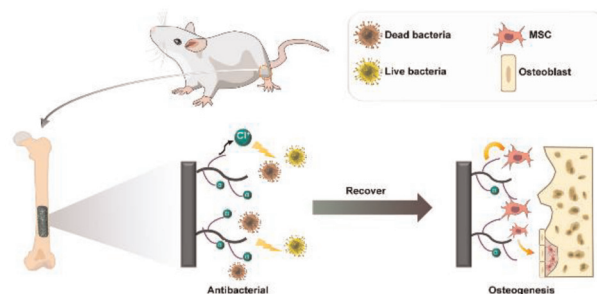


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N-Halaminated spermidine-containing polymeric coating enables titanium to achieve dual functions of antibacterial and osseointegration

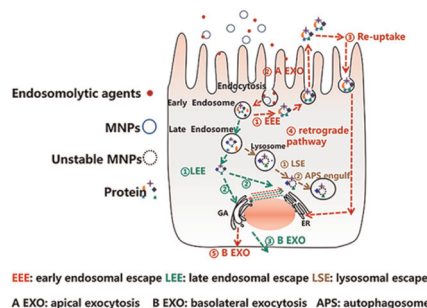
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Escape sites from the endo-lysosomal trafficking route manipulate exocytosis of nanoparticles in polar epithelium

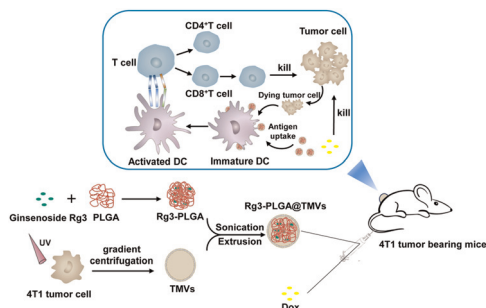
Lingling Wang, Yuting Li, Xi Liu, Liyun Xing, Ruinan Wu and Yuan Huang*



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Bioinspired ginsenoside Rg3 PLGA nanoparticles coated with tumor-derived microvesicles to improve chemotherapy efficacy and alleviate toxicity

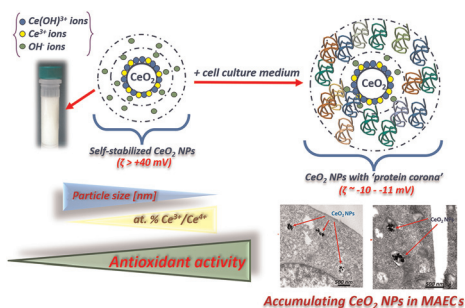
Shulei Zhang, Bo Zheng, Yiqi Wei, Yuhao Liu, Lan Yang, Yujiao Qiu, Jing Su and Mingfeng Qiu*



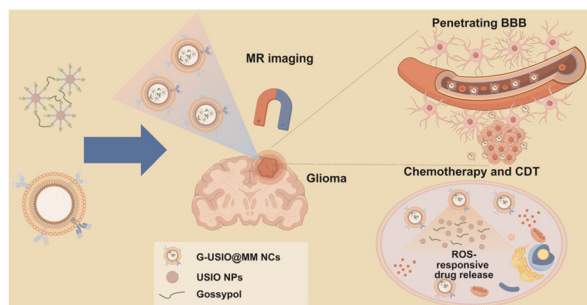
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Bioactivity of cerium dioxide nanoparticles as a function of size and surface features

Veronika Sarnatskaya,* Yuliia Shlapa,* Denis Kolesnik, Olexandra Lykhova, Dmytro Klymchuk, Serhii Solopan, Svitlana Lyubchyk, Iuliia Golovynska, Junle Qu, Yurii Stepanov and Anatolii Belous



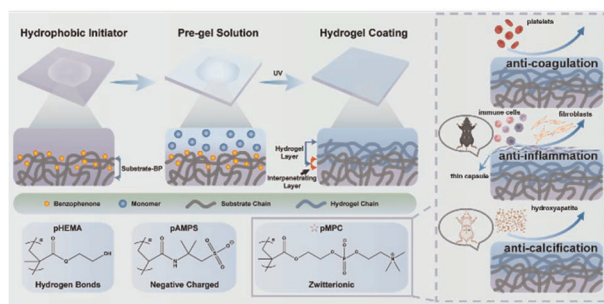
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Macrophage membrane-camouflaged nanoclusters of ultra-small iron oxide nanoparticles for precision glioma theranostics

Bin Zhang, Rui Yang, Hongwei Yu, Yamin Peng, Haoyu Huang, Meera Moydeen Abdul Hameed, Han Wang, Guixiang Zhang,* Mohamed EL-Newehy, Mingwu Shen, Xiangyang Shi* and Shaojun Peng*

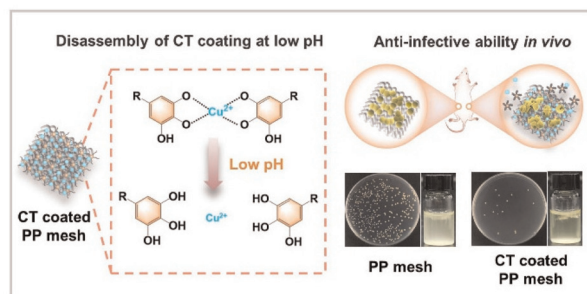
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Comparison study of surface-initiated hydrogel coatings with distinct side-chains for improving biocompatibility of polymeric heart valves

Yiduo Chen, Yirong Guo, Xinyi Li, Yanchen Chen, Jiarong Wang, Honglin Qian, Jing Wang,* Youxiang Wang, Xinyang Hu, Jian'an Wang and Jian Ji*

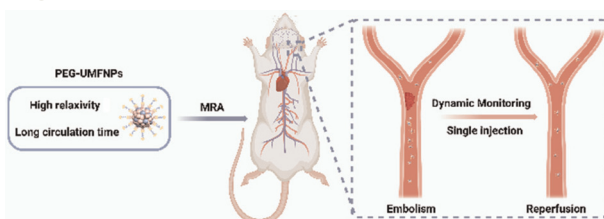
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pH-Responsive antibacterial metal-phenolic network coating on hernia meshes

Rui Ding, Pandi Peng, Jingjing Huo, Kun Wang, Pengxiang Liu, Hanxue Wu, Likun Yan* and Peng Li*

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Ultra-small catechol-PEG-anchored ferrite nanoparticles for highly sensitive magnetic resonance angiography

Yanzhi Dong, Jiaojiao Wang, Ting Zhou, Jinbing Pan, Xu Wang and Shao-Kai Sun*



CORRECTION

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Correction: Hindering the unlimited proliferation of tumor cells synergizes with destroying tumor blood vessels for effective cancer treatment

Ya Liu, Yajun Xu,* Ying Wang, Jianlin Lv, Kun Wang and Zhaohui Tang*

