

Biomaterials Science

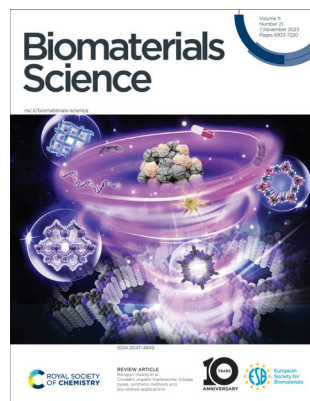
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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pp. 6942–6976.

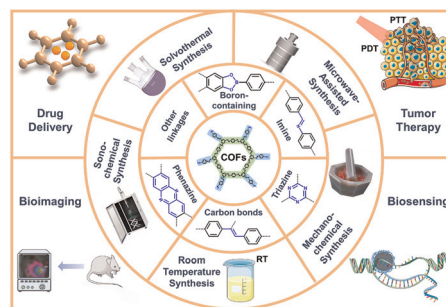
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REVIEWS

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Covalent organic frameworks: linkage types, synthetic methods and bio-related applications

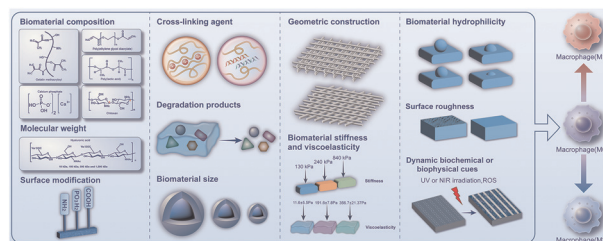
Yanhui Qin, Xinran Zhu and Rongqin Huang*



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Potential effects of biomaterials on macrophage function and their signalling pathways

Fujun Zhu,* Shaolian Wang, Xianglian Zhu,
Caixiang Pang, Pei Cui, Fuwang Yang, Rongsheng Li,
Qiu Zhan and Haiming Xin



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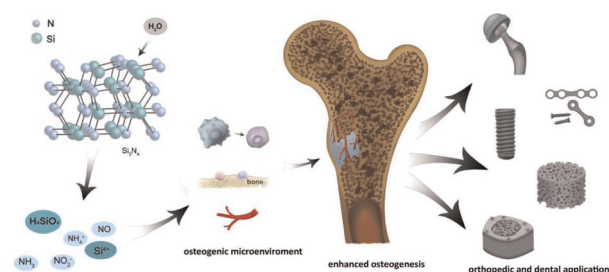


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Recent advances in the application and biological mechanism of silicon nitride osteogenic properties: a review

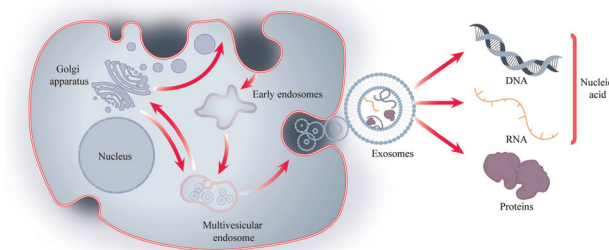
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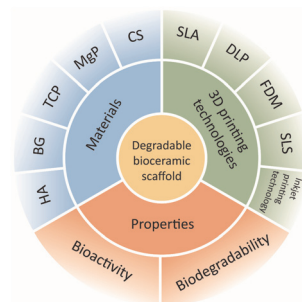
Shufei Zhang, Lian Yang, Jianfeng Liu, Hanyue Li, Shasha Hong and Li Hong*



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Mechanism and application of 3D-printed degradable bioceramic scaffolds for bone repair

Hui Lin, Liyun Zhang, Qiyue Zhang, Qiang Wang, Xue Wang* and Guangqi Yan*

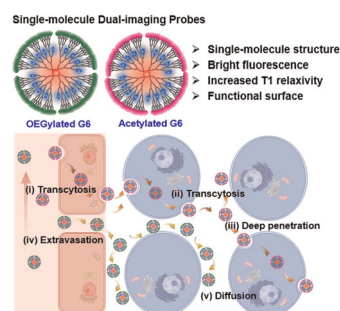


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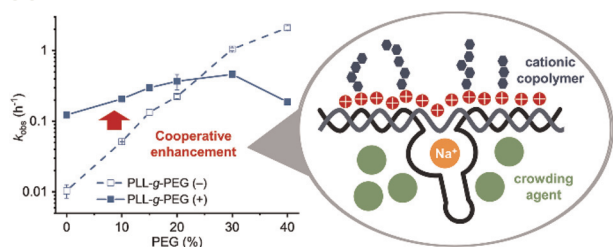
Surface chemistry mediates the tumor entrance of nanoparticles probed using single-molecule dual-imaging nanodots

Huiming Ren, Qiuhui Hu, Yuji Sun, Xiaoxuan Zhou, Yincong Zhu, Qiuyang Dong, Linying Chen, Jianbin Tang, Hongjie Hu, Youqing Shen and Zhuxian Zhou*



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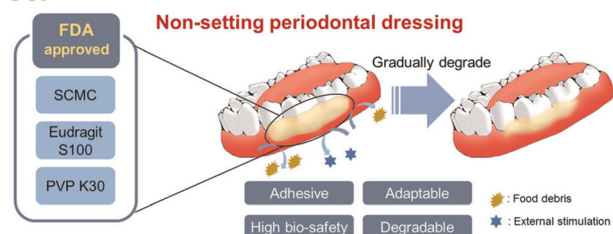
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Cationic copolymer and crowding agent have a cooperative effect on a Na^+ -dependent DNAzyme

Jun Wang, He Huang, Orakan Hanpanich, Naohiko Shimada and Atsushi Maruyama*

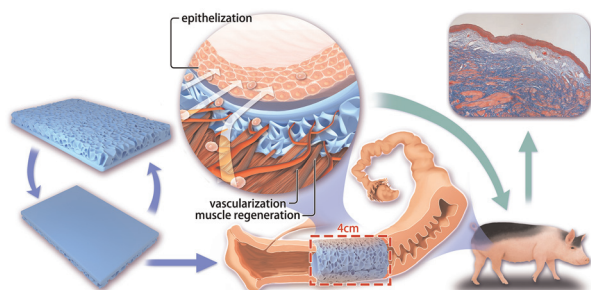
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Adhesive and biodegradable polymer mixture composed of high -biosafety pharmaceutical excipients as non-setting periodontal dressing

Xiaodan Zhao, Meiwen Li, Meng Li, Wenbo Li, Ang Li, Yilong Cheng* and Dandan Pei*

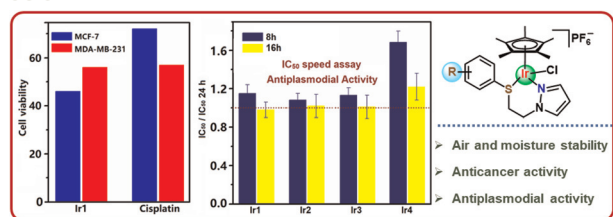
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Cationic N,S-chelate half-sandwich iridium complexes: synthesis, characterization, anticancer and antiplasmodial activity

Yang Wang, Yu-Zhou Luo,* Zhen-Jiang Liu* and Zi-Jian Yao*

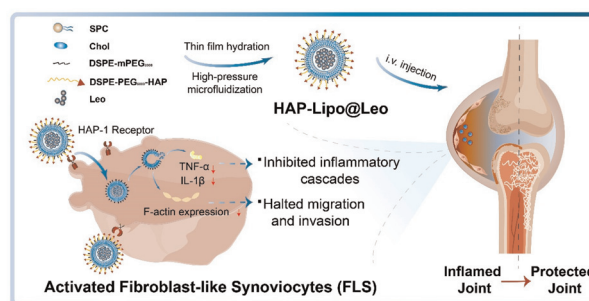


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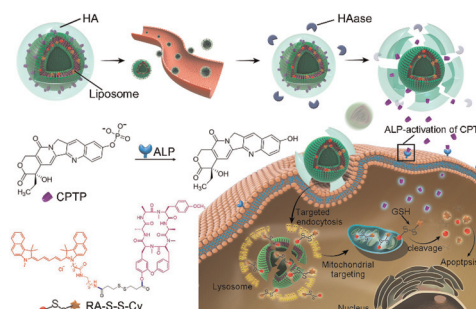
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Programmable site-specific delivery of an alkaline phosphatase-activatable prodrug and a mitochondria-targeted cyclopeptide for combination therapy in colon cancer

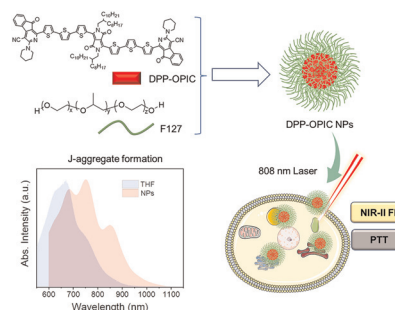
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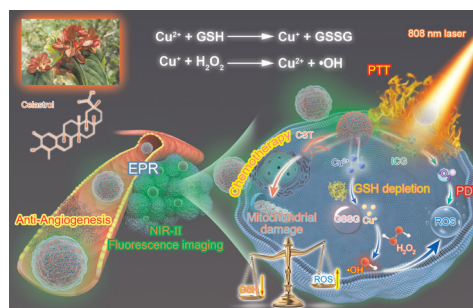
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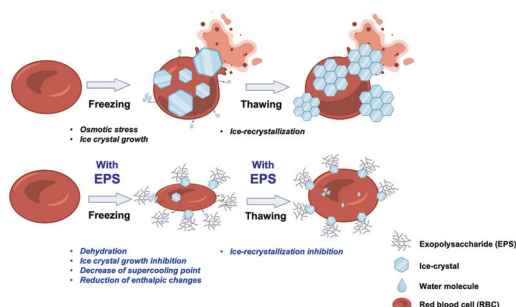
Self-delivery of a metal-coordinated anti-angiogenic nanodrug with GSH depleting ability for synergistic chemo-phototherapy

Fukai Zhu, Cailin Huang, YanLing Lin, Yang Li*, Ruiqin Tu and Weihong Lu*



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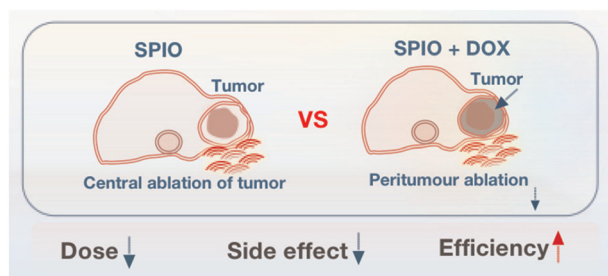
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Sung Jin Kim, Ui Joung Youn, Pilsung Kang, Tai Kyoung Kim, Il-Chan Kim, Se Jong Han, Dong-Woo Lee* and Joung Han Yim*

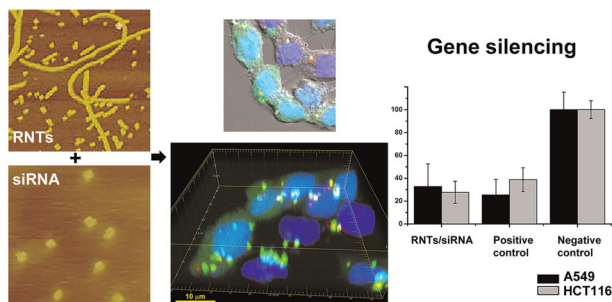
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pH-Responsive doxorubicin-loaded magnetosomes for magnetic resonance-guided focused ultrasound real-time monitoring and ablation of breast cancer

Na Tang, Yi Zhu, Ziwei Lu, Jiali Deng, Jiajing Guo, Xinyi Ding, Jingyi Wang, Rong Cao, An Chen, Zhongyi Huang, Hongwei Lu* and Zhongling Wang*

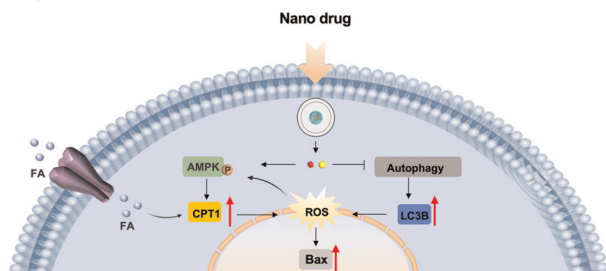
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Delivery of siRNA using cationic rosette nanotubes for gene silencing

Uyen Ho, Mounir El-Bakkari, Aws Alshamsan, Jae-Young Cho, Takeshi Yamazaki, Usha D. Hemraz* and Hicham Fenniri*

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Nanodrug regulates ROS homeostasis via enhancing fatty acid oxidation and inhibiting autophagy to overcome tumor drug resistance

HaiYang Wang, Minzhao Lin, Gengjia Chen, Zecong Xiao* and Xintao Shuai*

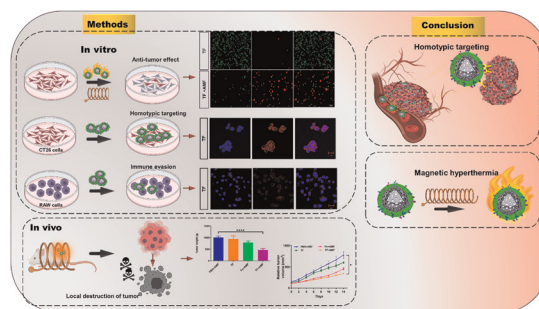


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Tumor-targeting cell membrane-coated nanorings for magnetic-hyperthermia-induced tumor ablation

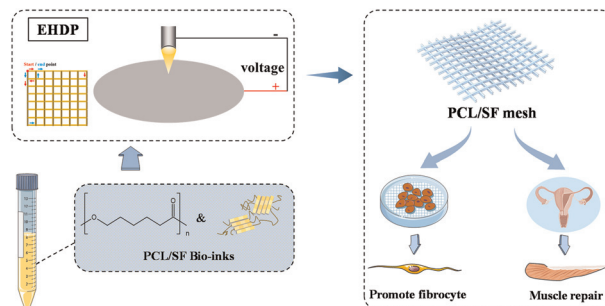
Veena Vijayan, Aravindkumar Sundaram, Arathy Vasukutty, Rizia Bardhan, Saji Uthaman* and In-Kyu Park*



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A novel 3D printed type II silk fibroin/ polycaprolactone mesh for the treatment of pelvic organ prolapse

Jingya Wu, Hai Yao, Lili Yu, Huawen Li, Yan Zuo, Wenjun Liu, Chunye Zhang, Caili Fu* and Mubiao Liu*



CORRECTION

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Correction: Synergetic osteogenesis of extracellular vesicles and loading RGD colonized on 3D-printed titanium implants

Shiqing Ma, Xuewen Li, Han Hu, Xinying Ma, Zhezhe Zhao, Shu Deng, Jie Wang, Leyu Zhang, Chenxuan Wu,* Zihao Liu* and Yonglan Wang*

