

Biomaterials Science

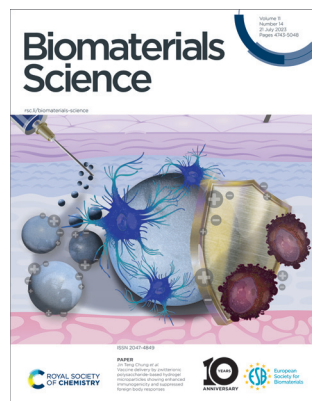
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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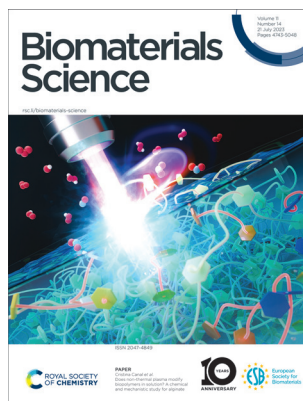
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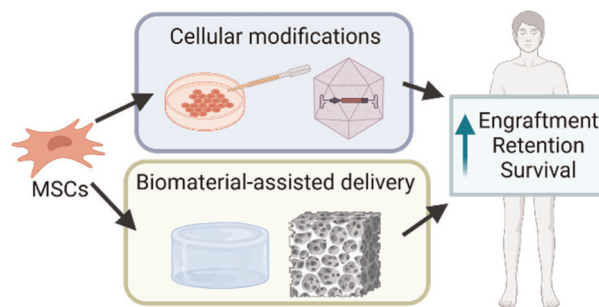
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REVIEWS

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Cellular modifications and biomaterial design to improve mesenchymal stem cell transplantation

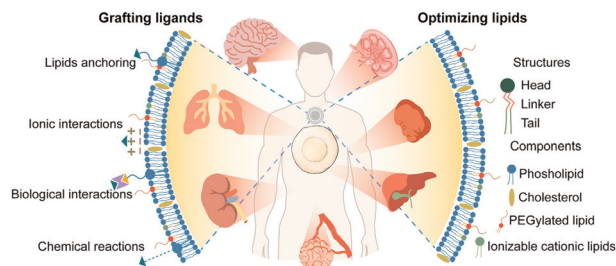
Johnny Kuan Un Wong, Ashish Mehta, Thu Thủy Vũ and Giselle C. Yeo*



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Structural and componential design: new strategies regulating the behavior of lipid-based nanoparticles *in vivo*

Qingguo Zhong, Chunxiong Zheng, Ke Yi, Rachel L. Mintz, Shixian Lv, Yu Tao and Mingqiang Li*



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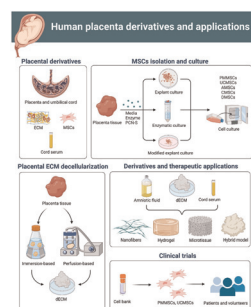


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Human placenta/umbilical cord derivatives in regenerative medicine – Prospects and challenges

Asmita Biswas, Ragavi Rajasekaran, Baisakhee Saha, Krishna Dixit, Pravin Vasudeo Vaidya, Atul Kumar Ojha and Santanu Dhara*

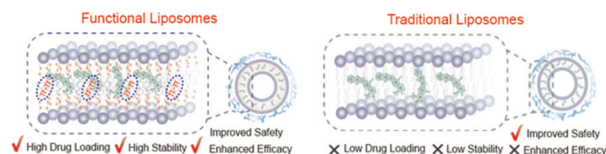


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Pyridine-appended disulfidephospholipids enable exceptionally high drug loading and stability as a robust liposomal platform

Wei Zhu, Qi Shan, Jianing Zhao, Guangyao Lv, Zongfeng Hu, Min Liu, Lei Yao,* Zhuhong Zhang* and Longbing Ling*

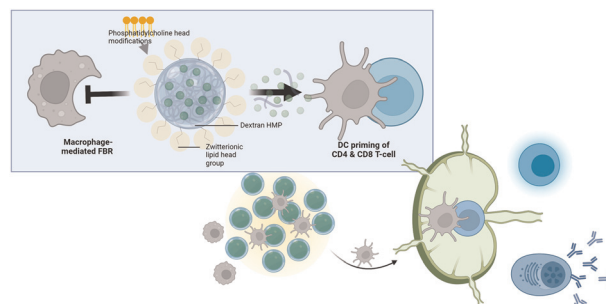


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Vaccine delivery by zwitterionic polysaccharide-based hydrogel microparticles showing enhanced immunogenicity and suppressed foreign body responses

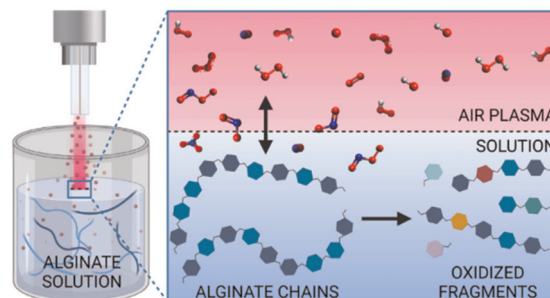
Jin Teng Chung, Chi Ming Laurence Lau, Casper H. Y. Chung, Mehrnoosh Rafiei, Shuhuai Yao and Ying Chau



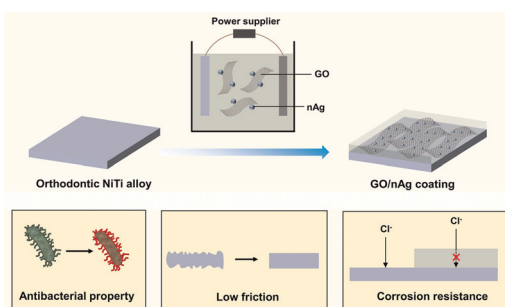
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Francesco Tampieri, Albert Espona-Noguera, Cédric Labay, Maria-Pau Ginebra, Maksudbek Yusupov, Annemie Bogaerts and Cristina Canal*



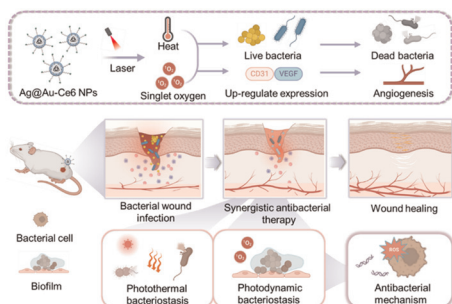
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Controlling the size of GO in GO/nAg nanocomposite coatings on orthodontic nickel–titanium alloy toward excellent anti-corrosion, antibacterial, and tribological properties

Danni Dai, Dan Li and Chao Zhang*

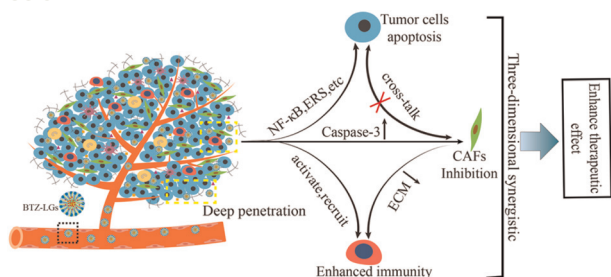
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Hollow silver–gold alloy nanoparticles for enhanced photothermal/photodynamic synergistic therapy against bacterial infection and acceleration of wound healing

Shanshan Lin, Hui Chen, Rui Wang, Tongmeng Jiang, Rui Wang* and Fabio Yu*

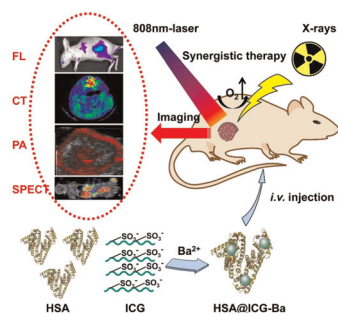
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Jianhao Liu, Xiaoman Xu, Yanying Li, Jingxia Xu, Ruogang Zhao, Siwei Liu, Jingliang Wu, Li Zhang* and Bo Zhang*

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A biocompatible nano-barium sulfonate system for quad-modal imaging-guided photothermal radiotherapy of tumors

Yunfei Lian, Fenyan Feng, Xinwang Meng, Yue Hu, Meirong Huo, Guangji Wang and Juan Li*

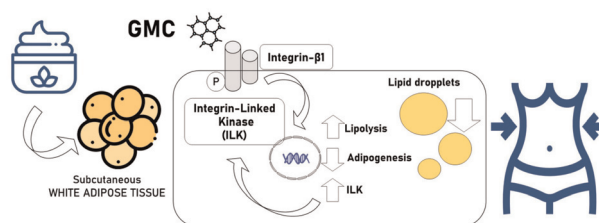


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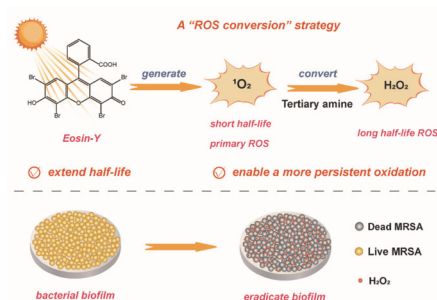
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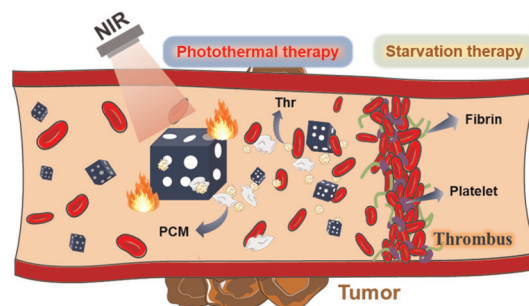
Birong Fan, Wan Peng, Yu Zhang, Pingsheng Liu* and Jian Shen*



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Photothermal-responsive Prussian blue nanocages loaded with thrombin for tumor starvation therapy and photothermal therapy

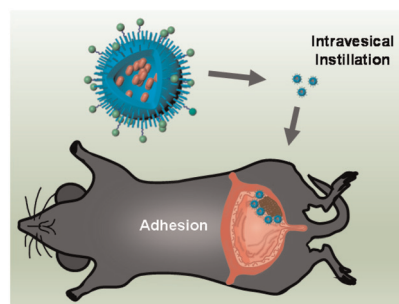
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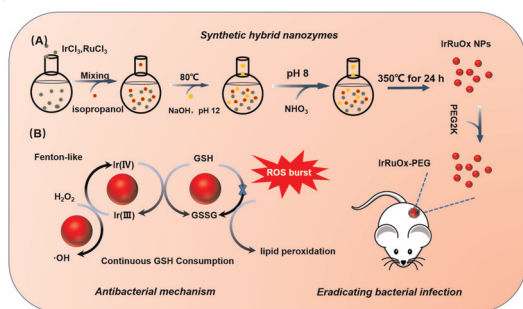
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Lulu Wang, Fan Qi, Luopeng Bi, Jiao Yan, Xiaoqing Han, Yanjing Wang, Panpan Song, Yanbo Wang* and Haiyuan Zhang*



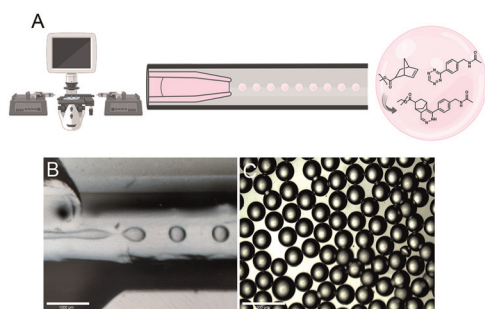
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Ir(IV) and Ir(III) *in situ* transition promotes ROS generation for eradicating multidrug-resistant bacterial infection

Xufeng Zhu, Yonglan Yang, Xu Chen, Gang Ye,* Jie Liu* and Yanan Liu*

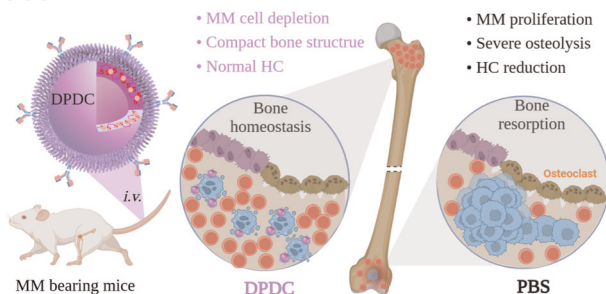
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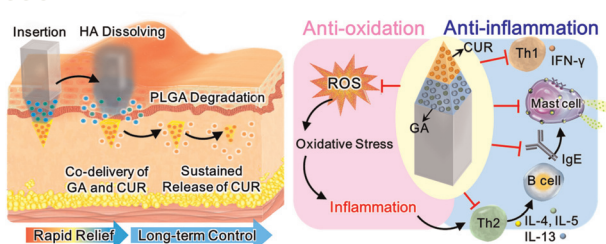
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Qin Yuan, Daoyang Fan, Yifan Zhang, Shujing Yue, Ru Cheng, Zhiyuan Zhong* and Huanli Sun*

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Yi-Lun Chen, Chih-Chi Chang, Yi-Chin Lin and Mei-Chin Chen*

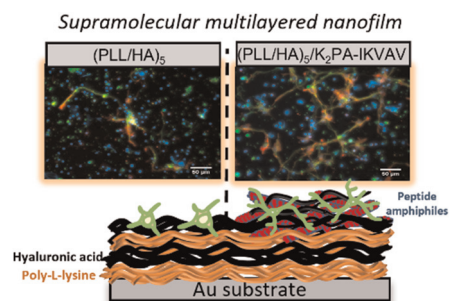


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Supramolecular presentation of bioinstructive peptides on soft multilayered nanobiomaterials stimulates neurite outgrowth

Maria Lopes, Marília Torrado, Daryl Barth, Sofia D. Santos, Melike Sever-Bahcekapili, Ayse B. Tekinay, Mustafa O. Guler, Franck Cleymand, Ana P. Pêgo, João Borges* and João F. Mano*



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Qinhua Zuo, Tiantian Li, Linghong Huang, Zonghua Liu* and Wei Xue*

