

Journal of Materials Chemistry B

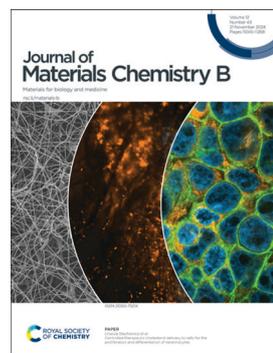
Materials for biology and medicine

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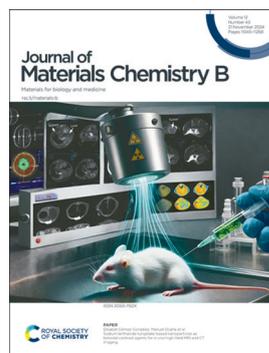
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See Urszula Stachewicz *et al.*, pp. 11110–11122. Image reproduced by permission of Urszula Stachewicz from *J. Mater. Chem. B*, 2024, 12, 11110.



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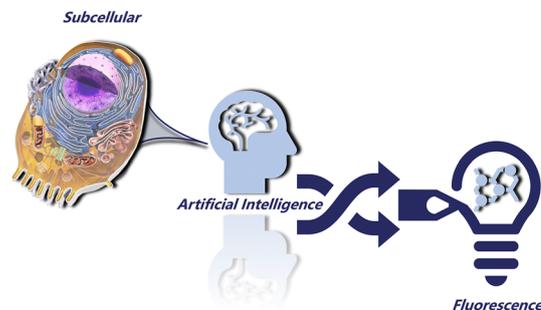
See Elisabet Gómez-González, Manuel Ocaña *et al.*, pp. 11123–11133. Image reproduced by permission of Jose M. Carrascal Rodríguez, Manuel Ocaña and Nuria O. Nuñez from *J. Mater. Chem. B*, 2024, 12, 11123.

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AI-driven precision subcellular navigation with fluorescent probes

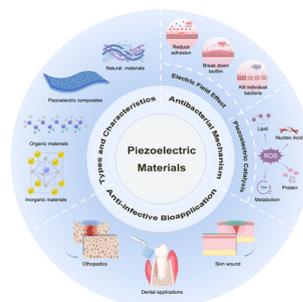
Yingli Zhu, Yanpeng Fang, Wenzhi Huang, Weiheng Zhang, Fei Chen, Jie Dong* and Wenbin Zeng*



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Piezoelectric materials for anti-infective bioapplications

Chen Chen, Xin Yang, Yi Liu, Jia Jia, Yiping Li, Xiaohan Dai* and Ousheng Liu



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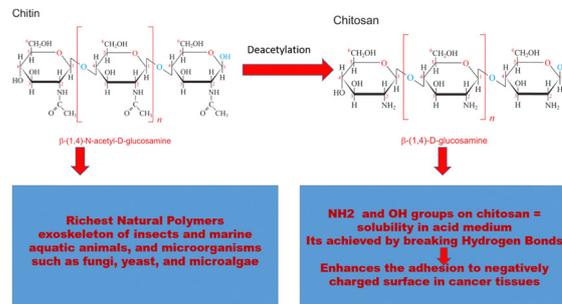
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REVIEWS

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Chitosan-functionalized nanobubbles for precision oncology: advances in targeted cancer therapeutics

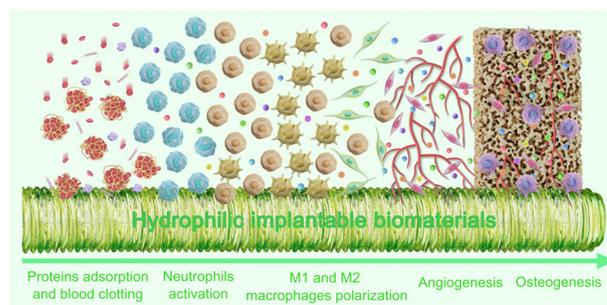
Vivek Pandey* and Tejasvi Pandey



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Advances in osteoimmunomodulation of biomaterials after intrabone implantation: focus on surface hydrophilicity

Xinpeng Wei, Linshan Lei, Ling Luo, Ying Zhou, Zheng Zheng* and Wenchuan Chen*

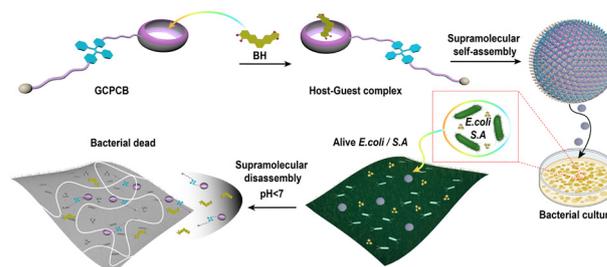


COMMUNICATION

11105

A guanidiniocarbonyl-pyrrole functionalized cucurbit[7]uril derivative as a cytomembrane disruptor for synergistic antibacterial therapy

Ruixue Han, Kehan Du, Shengke Li, Minzan Zuo, Ponmani Jeyakkumar, Hao Jiang,* Leyong Wang and Xiao-Yu Hu*

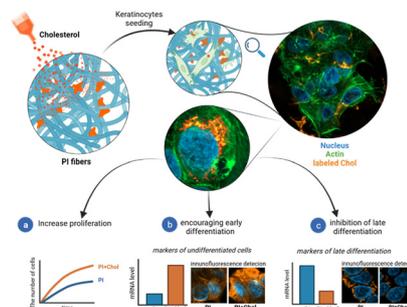


PAPERS

11110

Controlled therapeutic cholesterol delivery to cells for the proliferation and differentiation of keratinocytes

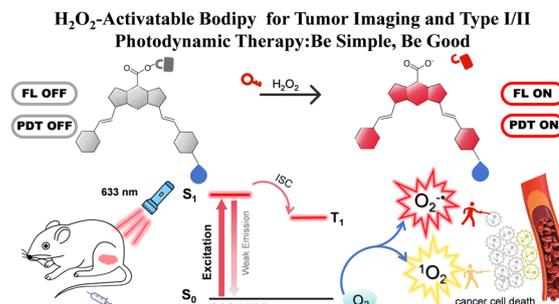
Krzysztof Berniak, Ahmadreza Moradi, Agata Lichawska-Cieslar, Weronika Szukala, Jolanta Jura and Urszula Stachewicz*



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A simple hydrogen peroxide-activatable Bodipy for tumor imaging and type I/II photodynamic therapy

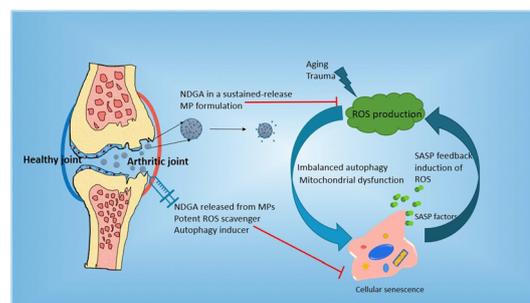
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Nordihydroguaiaretic acid microparticles are effective in the treatment of osteoarthritis

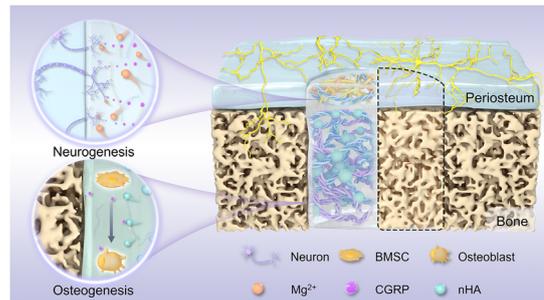
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and Rachit Agarwal*



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A bilayer hydrogel mimicking the periosteum-bone structure for innervated bone regeneration

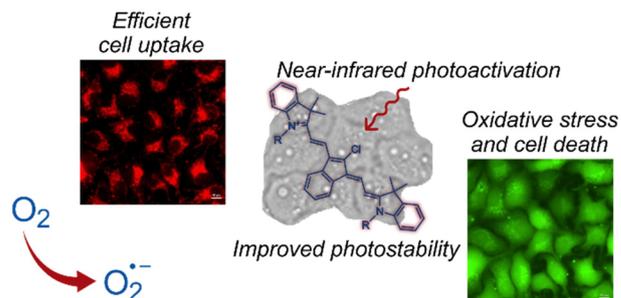
Wenhui Lyu, Yuyue Zhang, Shaopei Ding, Xiang Li,
Tong Sun, Jun Luo, Jian Wang, Jianshu Li and Lei Li*



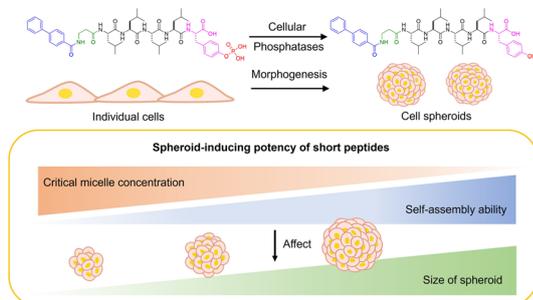
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A near-infrared superoxide generator based on a biocompatible indene-bearing heptamethine cyanine dye

Nikita Bel'ko, Anna Mal'tanova, Anastasiya Bahdanava,
Anatol Lugovski, Sviatlana Fatykhava, Polina Shabunya,
Adam Smaliakou, Sergey Poznyak, Tatsiana Kulahava and
Michael Samtsov*



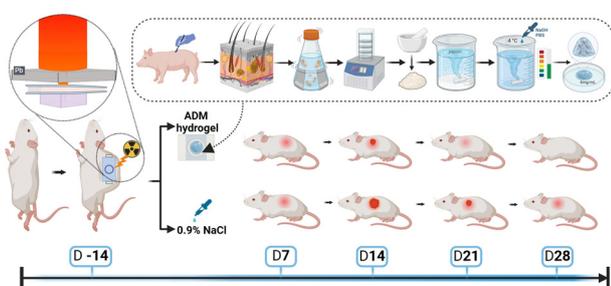
11210



Enzymatic self-assembly of short peptides for cell spheroid formation

Jiaqi Guo, Weiyi Tan and Bing Xu*

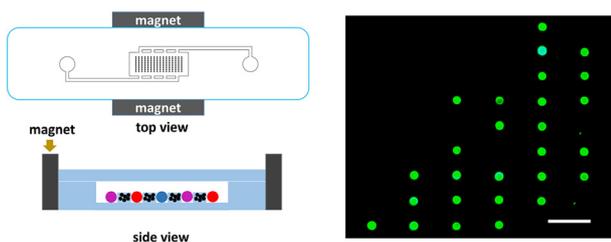
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Acellular dermal matrix hydrogels promote healing of radiation-induced skin injury in a rat model

Xin Liu, Tian Guo, Zhifeng Huang, Sen Chen, Li Chen, Chenyang Li, Tian Tian, Yerong Qian, Lifei Yang, Junxi Xiang, Qiufang Liu* and Peng Liu*

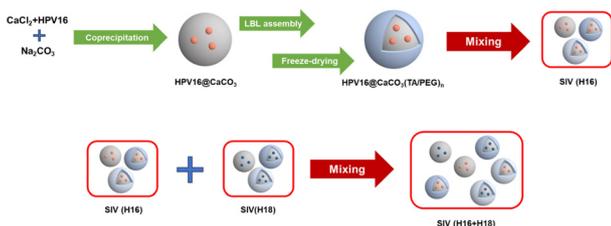
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Microfluidic synthesis and accurate immobilization of low-density QD-encoded magnetic microbeads for multiplex immunoassay

Zhou Sha, Tianyi Ling, Wenqi Yang, Haosu Xie, Chunnan Wang and Shuqing Sun*

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A single-injection vaccine providing protection against two HPV types

Jianchen Zhang, Yu Liu, Ying Guan* and Yongjun Zhang*

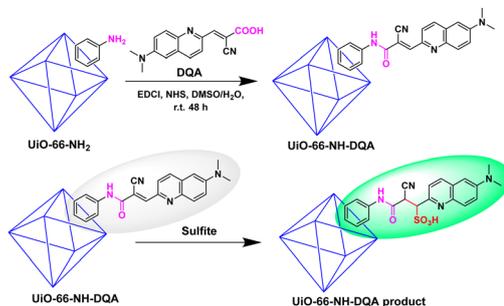


PAPERS

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Improving the sulfite-detection performance of a fluorescent probe via post-synthetic modification with a metal–organic framework

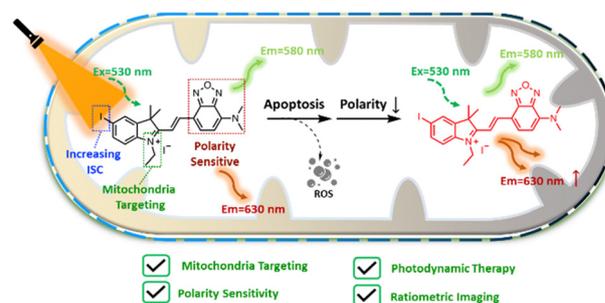
Jing-Yi Shi, Bin Wang, Xin-Yue Cui, Xiao-Wei Hu,*
Hai-Liang Zhu* and Yu-Shun Yang*



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A dual-functional photosensitizer for mitochondria-targeting photodynamic therapy and synchronous polarity monitoring

Liu Yang, Shenglong Gan, Jie Zhang, Yin Jiang,*
Qingxin Chen* and Hongyan Sun*



CORRECTION

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Correction: Blood-clotting model and simulation analysis of polyvinyl alcohol–chitosan composite hemostatic materials

Yifan Zhao, Junhong Hao,* Zexin Chen, Mengmeng Li, Jianxun Ren and Xiaobing Fu

