

Journal of Materials Chemistry B

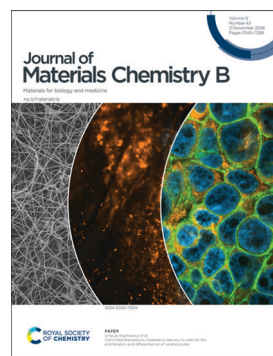
Materials for biology and medicine

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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.



Inside cover

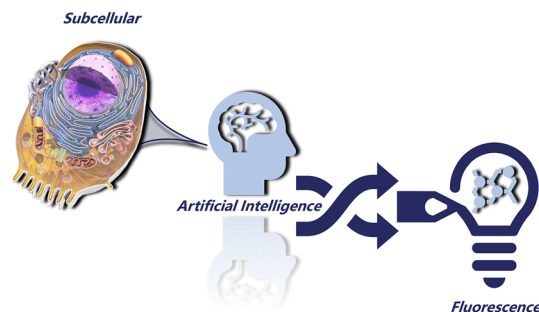
See Elisabet Gómez-González, Manuel Ocaña *et al.*, pp. 11123–11133. Image reproduced by permission of Jose M. Carrascal Rodriguez, Manuel Ocaña and Nuria O. Nuñez from *J. Mater. Chem. B*, 2024, 12, 11123.

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AI-driven precision subcellular navigation with fluorescent probes

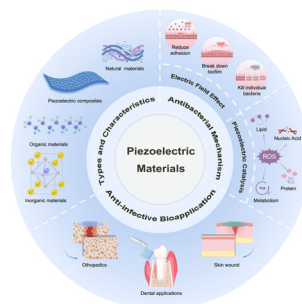
Yingli Zhu, Yanpeng Fang, Wenzhi Huang, Weiheng Zhang, Fei Chen, Jie Dong* and Wenbin Zeng*



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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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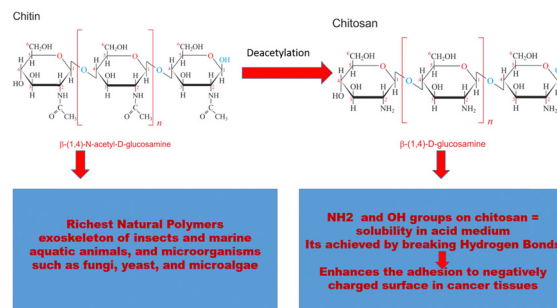
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REVIEWS

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

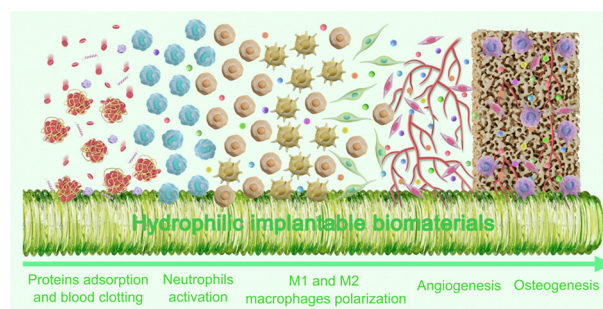
Vivek Pandey* and Tejasvi Pandey



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

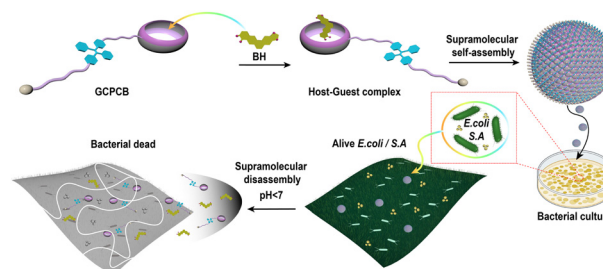


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A guanidiniocarbonyl-pyrrole functionalized cucurbit[7]uril derivative as a cytomembrane disruptor for synergistic antibacterial therapy

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

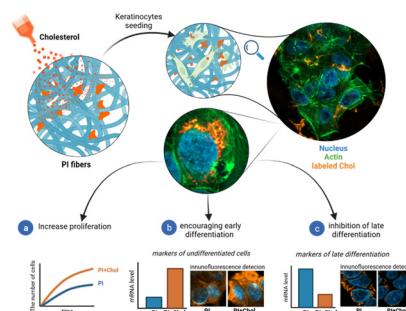


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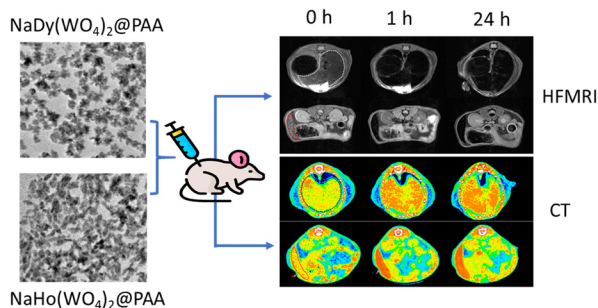
Controlled therapeutic cholesterol delivery to cells for the proliferation and differentiation of keratinocytes

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



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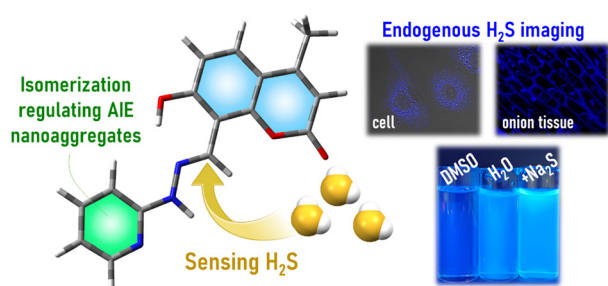
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Sodium lanthanide tungstate-based nanoparticles as bimodal contrast agents for *in vivo* high-field MRI and CT imaging

Elisabet Gómez-González,* Carlos Caro, Nuria O. Núñez, Daniel González-Mancebo, Jesús D. Urbano-Gámez, María L. García-Martín and Manuel Ocaña*

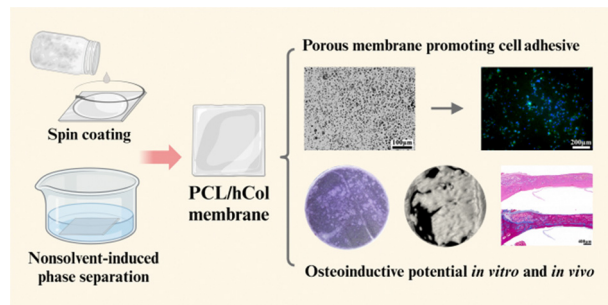
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Structural isomerism engineering regulates molecular AIE behavior and application in visualizing endogenous hydrogen sulfide

Yaxi Li, Yong-Xiang Wang, Dujuan Liu, Chen-Chieh Ni, Jianming Ni and Jen-Shyang Ni*

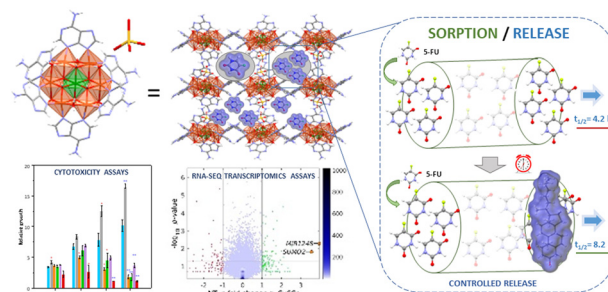
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Scalable fabrication of porous membrane incorporating human extracellular matrix-like collagen for guided bone regeneration

Qingyi Wang, Feng Zhou, Tiecheng Qiu, Yiling Liu, Wenxin Luo, Zhanqi Wang, Haiyun Li, E. Xiao, Qiang Wei* and Yingying Wu*

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Drug-delivery and biological activity in colorectal cancer of a supramolecular porous material assembled from heptameric chromium-copper-adenine entities

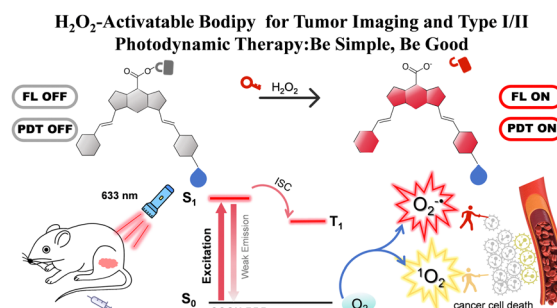
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A simple hydrogen peroxide-activatable Bodipy for tumor imaging and type I/II photodynamic therapy

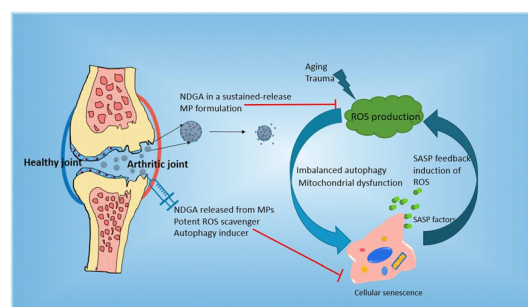
Fangqing Ge, Yujie Sun, Yu Wang, Dan Yu, Zhijia Wang,*
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Nordihydroguaiaretic acid microparticles are effective in the treatment of osteoarthritis

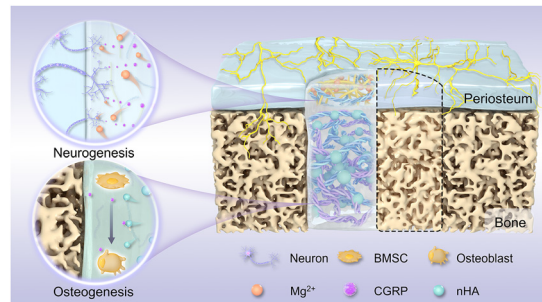
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and Rachit Agarwal*



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

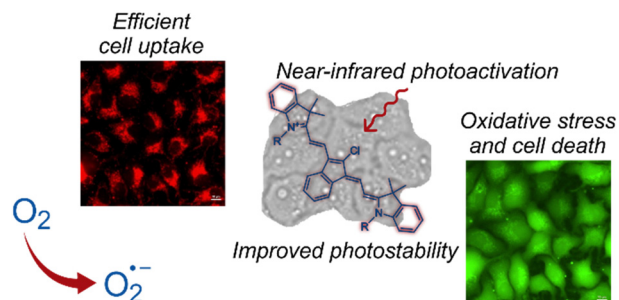
Wenhui Lyu, Yuyue Zhang, Shaopei Ding, Xiang Li,
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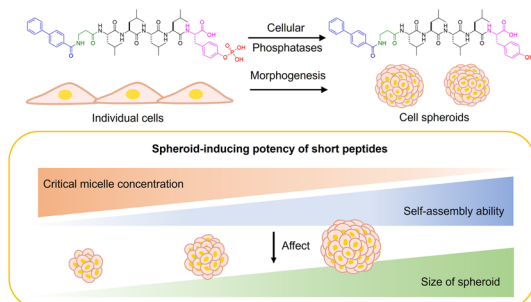
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A near-infrared superoxide generator based on a biocompatible indene-bearing heptamethine cyanine dye

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Adam Smaliakou, Sergey Poznyak, Tatsiana Kulahava and
Michael Samtsov*



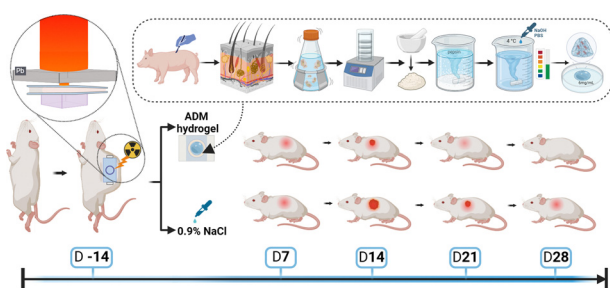
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Enzymatic self-assembly of short peptides for cell spheroid formation

Jiaqi Guo, Weiyi Tan and Bing Xu*

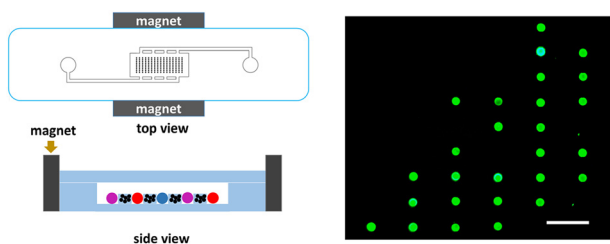
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Acellular dermal matrix hydrogels promote healing of radiation-induced skin injury in a rat model

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*

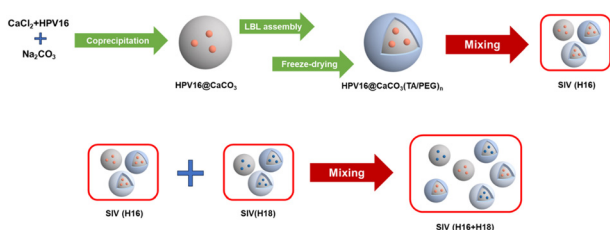
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Microfluidic synthesis and accurate immobilization of low-density QD-encoded magnetic microbeads for multiplex immunoassay

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*

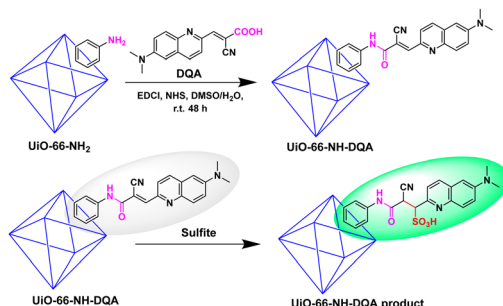


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Improving the sulfite-detection performance of a fluorescent probe via post-synthetic modification with a metal–organic framework

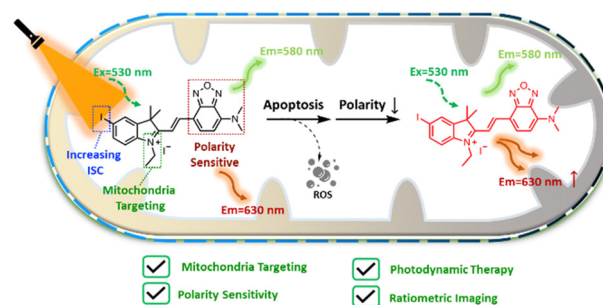
Jing-Yi Shi, Bin Wang, Xin-Yue Cui, Xiao-Wei Hu,*
Hai-Liang Zhu* and Yu-Shun Yang*



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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

