

Journal of Materials Chemistry B

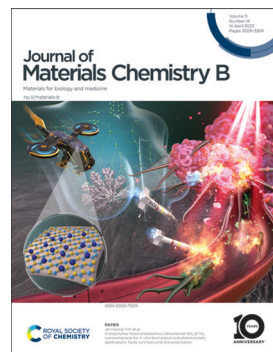
Materials for biology and medicine

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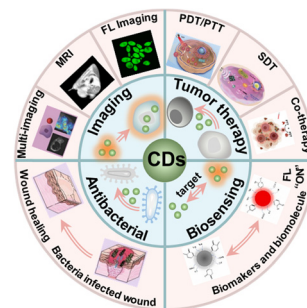
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REVIEWS

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Recent developments in carbon dots: a biomedical application perspective

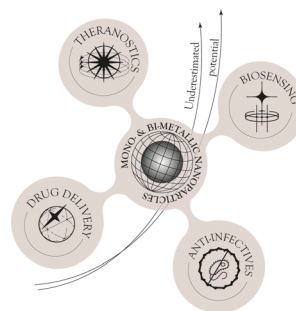
Le Tu, Qian Li, Sheng Qiu, Meiqin Li, Jinwoo Shin,
Pan Wu, Nem Singh, Junrong Li, Qihang Ding, Cong Hu,
Xiaoxing Xiong,* Yao Sun* and Jong Seung Kim*



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Monometallic and alloy nanoparticles: a review of biomedical applications

Elizaveta A. Koroleva, Ilya D. Shabalkin and
Pavel V. Krivoshapkin*



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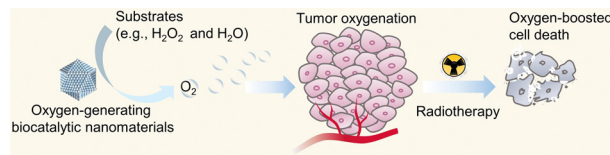


REVIEWS

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Oxygen-generating biocatalytic nanomaterials for tumor hypoxia relief in cancer radiotherapy

Yan Zu,* Ziyu Wang, Huiqin Yao* and Liang Yan

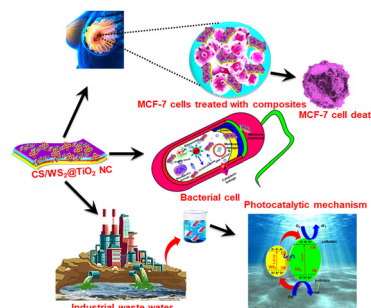


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A biopolymer functionalized two-dimensional WS₂@TiO₂ nanocomposite for *in vitro* biomedical and photocatalytic applications: facile synthesis and characterization

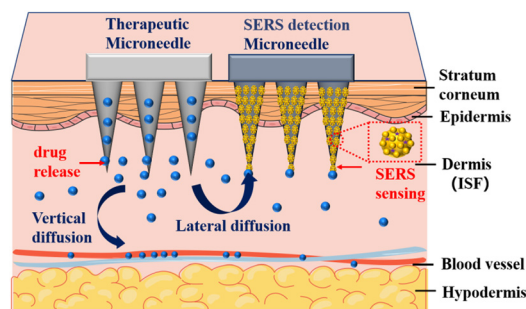
Kasirajan Kasinathan, Karunakaran Marimuthu, Selvam Samayanan and Jin-Heong Yim*



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Revealing drug release and diffusion behavior in skin interstitial fluid by surface-enhanced Raman scattering microneedles

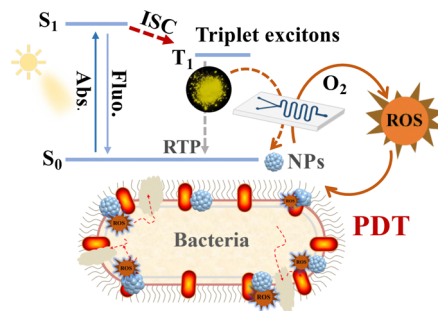
Shang Shi, Yunqing Wang,* Rongchao Mei, Xizhen Zhao, Xifang Liu and Lingxin Chen*



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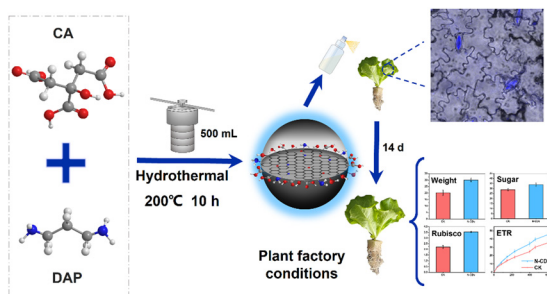
Microfluidic-based modulation of triplet exciton decay in organic phosphorescent nanoparticles for size-assisted photodynamic antibacterial therapy

Cong Chao, Lingling Kang, Wenbo Dai, Changsheng Zhao, Jianbing Shi, Bin Tong, Zhengxu Cai* and Yuping Dong*



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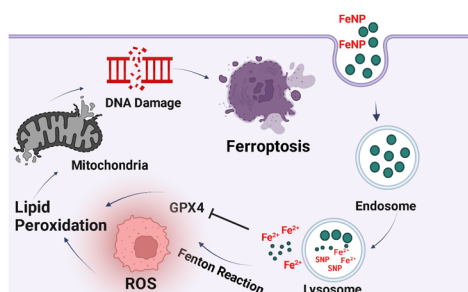
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Preparation of nitrogen-doped carbon dots and their enhancement on lettuce yield and quality

Jieqiang Tan, Shili Zhao, Junyu Chen, Xiaoqin Pan, Chen Li, Yingliang Liu, Caijuan Wu, Wei Li* and Mingtao Zheng*

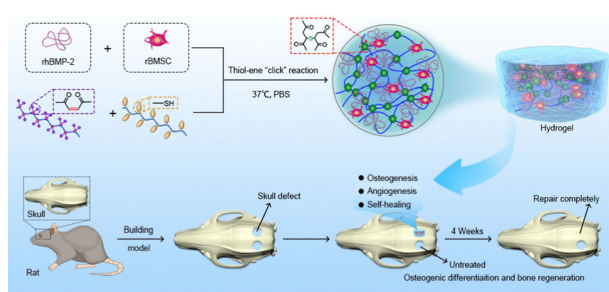
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Iron nitroprusside as a chemodynamic agent and inducer of ferroptosis for ovarian cancer therapy

Kanwal Asif, Muhammad Adeel,*
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Maja Cemazar, Vincenzo Canzonieri and Flavio Rizzolio*

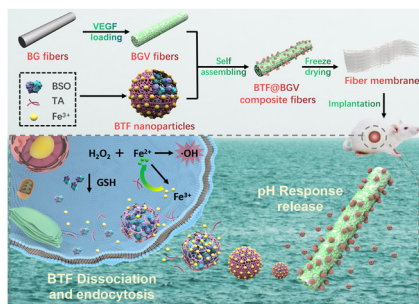
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Click-based injectable bioactive PEG-hydrogels guide rapid craniomaxillofacial bone regeneration by the spatiotemporal delivery of rhBMP-2

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An implantable composite scaffold for amplified chemodynamic therapy and tissue regeneration

Jiafei Chen, Shiqi Wan, Yike Fu, Yi Zhou,* Xiang Li* and Huiming Wang*

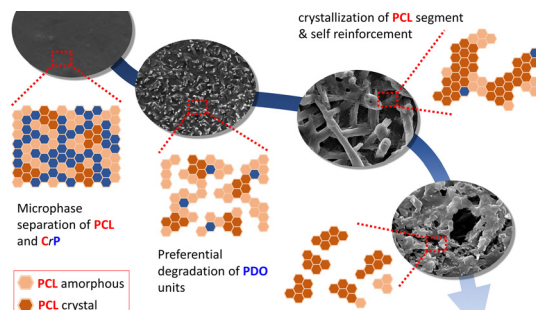


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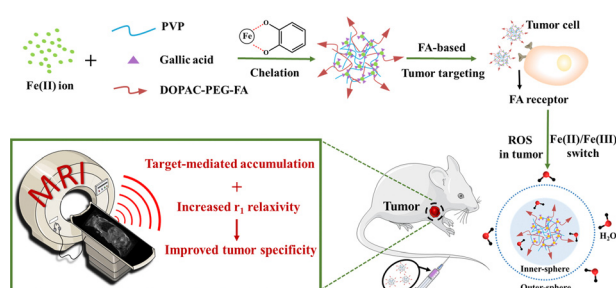
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A tumor-targeting and ROS-responsive iron-based T_1 magnetic resonance imaging contrast agent for highly specific tumor imaging

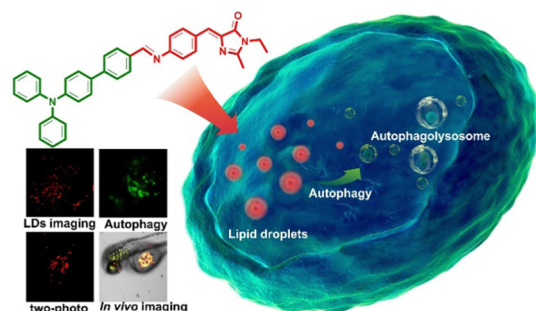
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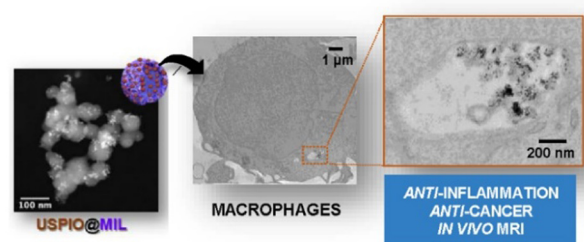
Ming-Xuan Liu, Li Xu, Peng-Fei Zhu, Xin Li, Miao Shan, Wei Jin, Jing Chen,* Yong Ling* and Xiao-Ling Zhang*



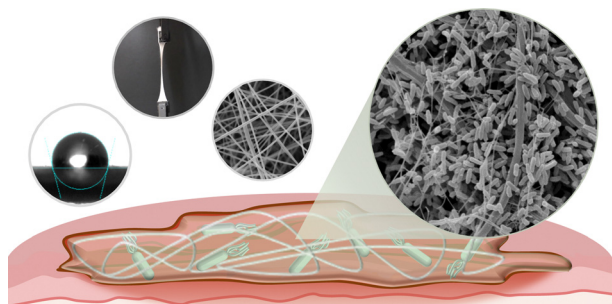
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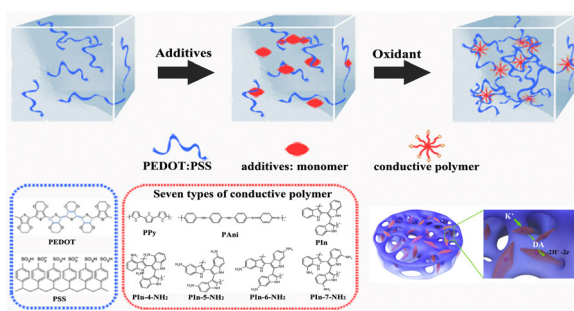
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Imitating the microenvironment of native biofilms using nanofibrous scaffolds to emulate chronic wound infections

Jana Wächter, Pia K Vestweber, Nathalie Jung and Maike Windbergs*

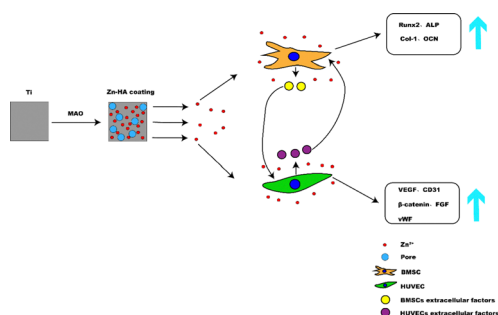
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PEDOT:PSS hydrogels with high conductivity and biocompatibility for *in situ* cell sensing

Taotao Yang, Ming Yang, Chao Xu, Kun Yang, Yuming Su, Yongqin Ye, Lingyun Dou, Qin Yang, Wenbo Ke,* Bin Wang* and Zhiqiang Luo*

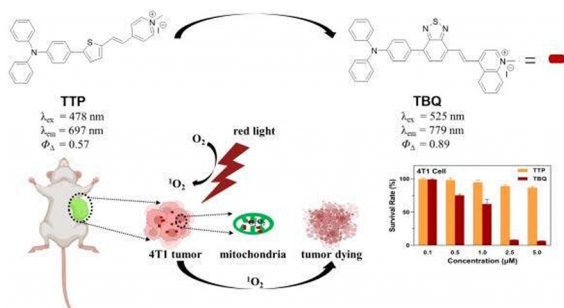
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A functional study of zinc–titanium coatings and exploration of the intrinsic correlation between angiogenesis and osteogenesis

Lei Yu, Yuanchen Yin, Zhaoyang Guo, Yifan Fei, Xutao Wen, Jiajia Wang, Haishui Sun, Jingzhou Hu* and Shanliang Jin*

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Molecular engineering to red-shift the absorption band of AIE photosensitizers and improve their ROS generation ability

Yuhui Zhang, Xiaohong Pan,* Haixing Shi, Yaqi Wang, Wenzhen Liu, Liangzhi Cai, Le Wang, Huanhuan Wang and Zhuo Chen*



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Retraction: Electrodeposition of a porous strontium-substituted hydroxyapatite/zinc oxide duplex layer on AZ91 magnesium alloy for orthopedic applications

D. Gopi,* N. Murugan, S. Ramya and L. Kavitha

