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Cover
See Yang Zhang, Qiao Li, Yonghao Gai *et al.*, pp. 1171–1184.

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REVIEWS

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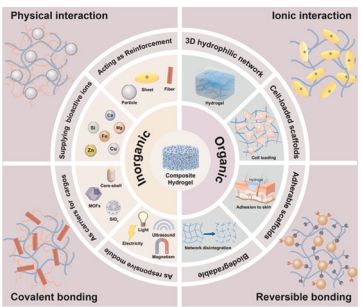
Organic–inorganic composite hydrogels: compositions, properties, and applications in regenerative medicine

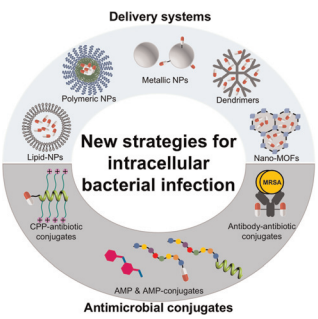
Xinyu Wang, Wei Wei, Ziyi Guo, Xinru Liu, Ju Liu, Tiejun Bing, Yingjie Yu,* Xiaoping Yang and Qing Cai*



1115

Strategies for the eradication of intracellular bacterial pathogens

Yingying Chen, Yunjiang Jiang, Tianrui Xue and Jianjun Cheng*



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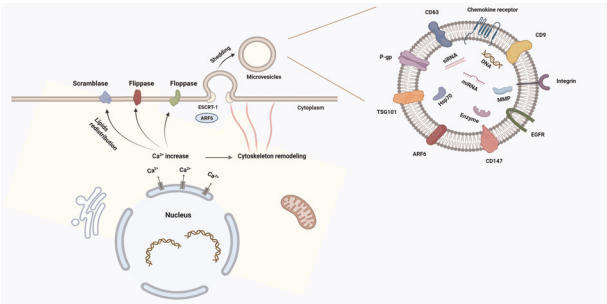
REVIEWS

1131

Tumor-derived microvesicles for cancer therapy

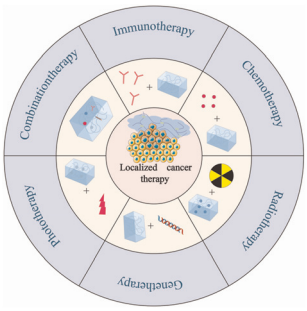
Shiqi Yang, Bo Zheng, Faisal Raza, Shulei Zhang, Wei-en Yuan, Jing Su* and Mingfeng Qiu*



1151

Injectable hydrogels as emerging drug-delivery platforms for tumor therapy

Yao Cheng, Haitao Zhang,* Hua Wei* and Cui-Yun Yu*

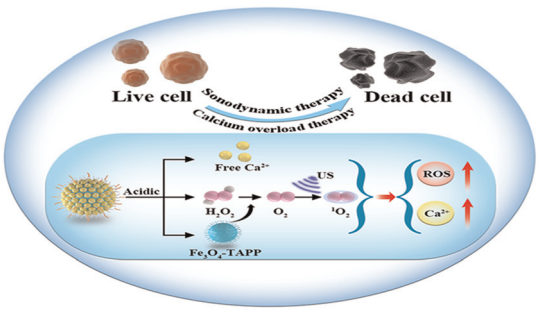


COMMUNICATION

1171

Bimetallic nanoplatform for synergistic sonodynamic-calcium overload therapy utilizing self-supplied hydrogen peroxide and relieved hypoxia

Wenqian Xu, Yisheng Zhao, Chao Zhang, Mengping Huo, Lei Wang, Xuewu Wu, Yang Zhang,* Qiao Li* and Yonghao Gai*



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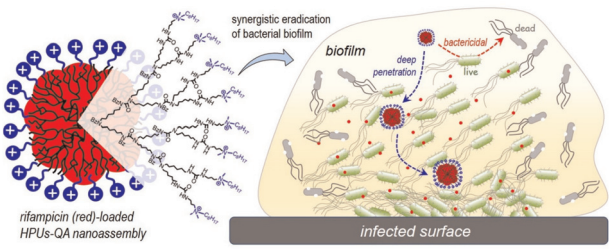
Quaternary ammonium-tethered hyperbranched polyurea nanoassembly synergized with antibiotics for enhanced antimicrobial efficacy

Yanwen Feng, Jiang Bian, Guoyi Yu, Pei Zhao* and Jun Yue*



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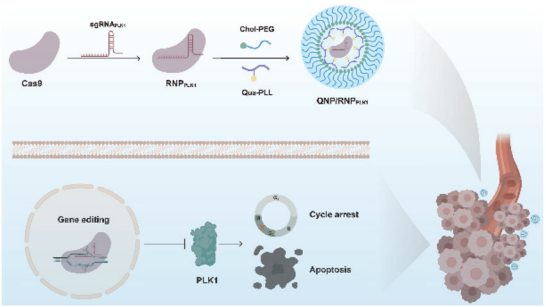

A quaternary ammonium-based nanosystem enables delivery of CRISPR/Cas9 for cancer therapy

Mengzhu Zhang, Siyu Sun, Xiao Liang, Zengguang Liu, Jiaxin Yin, Quanshun Li* and Shengcai Yang*

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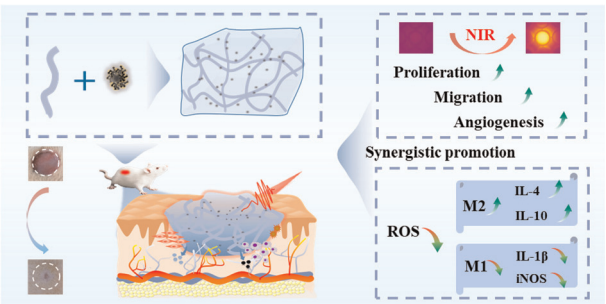

Wound microenvironment regulatory poly(L-glutamic acid) composite hydrogels containing metal ion-coordinated nanoparticles for effective hemostasis and wound healing

Yanzheng Chen, Xueliang Zhang, Qing Wang, Chang Du* and Chang-Ming Dong*

1228

Lubricity, wear prevention, and anti-biofouling properties of macromolecular coatings for endotracheal tubes

Bernardo Miller Naranjo, Michael Zollo, Stephan A. Sieber and Oliver Lieleg*

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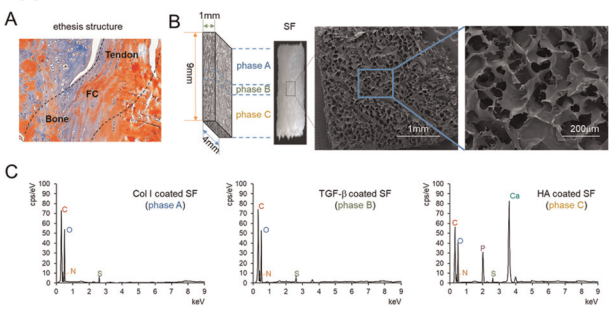

Biomimetic triphasic silk fibroin scaffolds seeded with tendon-derived stem cells for tendon-bone junction regeneration

Yiyun Geng, Penglei Cui, Muli Hu, Bingjun Zhang, Liming Dai, Fengxuan Han, Yungshu-hang Patrick, Sai-Chuen Fu, Bin Li* and Xiaoling Zhang*

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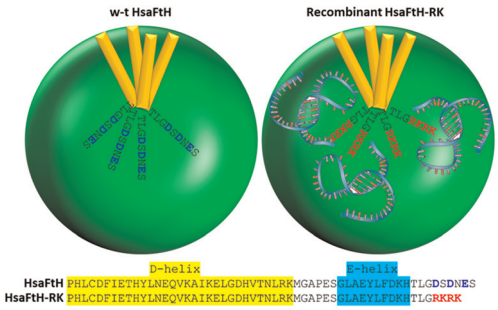
Engineered human H-chain ferritin with reversed charge of the internal cavity exhibits RNA-mediated spongelike effect for loading RNA/DNA-binding molecules

Marketa Charousova, Marie Kudlickova Peskova, Paulina Takacsova, Katerina Kapolkova, Yazan Haddad, Jan Bilek, Ladislav Sivak, Tomas Bartejs, Zbynek Heger* and Vladimir Pekarik*



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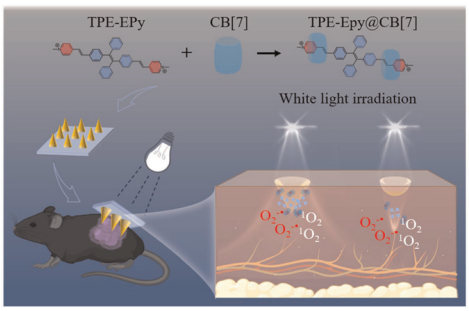
Aggregation-induced emission photosensitizer microneedles for enhanced melanoma photodynamic therapy

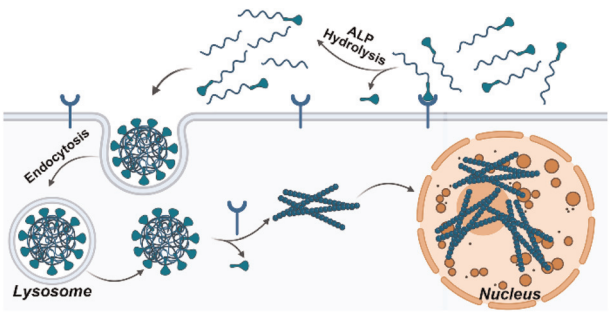
Ling Liang, Tuokai Peng, Xin Yao Geng, Wenping Zhu, Chaoyong Liu,* Hui-Qing Peng,* Bo Zhi Chen* and Xin Dong Guo*



1274

Intranuclear assembly of leucine-rich peptides for selective death of osteosarcoma cells

Shuang Liu,* Qiuxin Zhang, Xingrao Peng, Cong Hu, Shaowei Wang* and Yao Sun*



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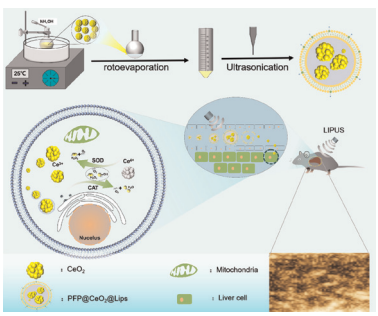
Visualization of therapeutic intervention for acute liver injury using low-intensity pulsed ultrasound-responsive phase variant nanoparticles

You Yang, Ju-ying Zhang, Zi-jun Ma, Shi-chun Wang, Ping He, Xiao-qing Tang, Chao-feng Yang, Xia Luo, Xing Yang, Ling Li, Mao-chun Zhang, Yang Li and Jin-hong Yu*



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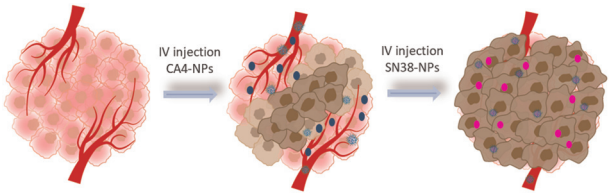
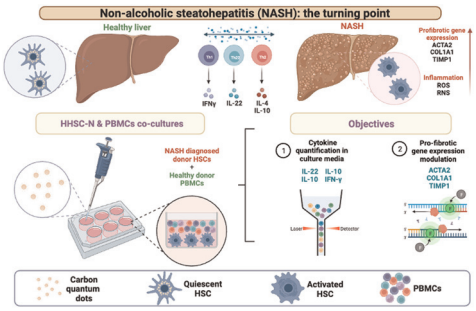


Hindering the unlimited proliferation of tumor cells synergizes with destroying tumor blood vessels for effective cancer treatment

Ya Liu, Yajun Xu,* Ying Wang, Jianlin Lv, Kun Wang and Zhaohui Tang*

1307



Antifibrotic activity of carbon quantum dots in a human *in vitro* model of non-alcoholic steatohepatitis using hepatic stellate cells

David A. García-Topete, Laura A. Álvarez-Lee, Gabriela I. Carballo-López, Marco A. Uriostegui-Campos, Carlos Guzmán-Uribe and Ana B. Castro-Ceseña*

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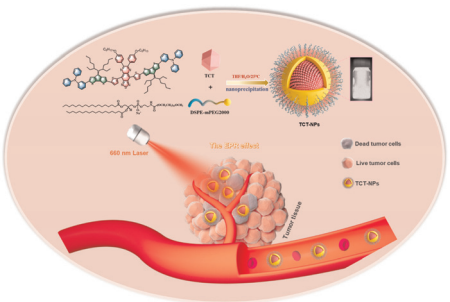

D–A–D organic fluorescent probes for NIR-II fluorescence imaging and efficient photothermal therapy of breast cancer

Jie Gao, Lin Yuan, Yu Min, Bing Yu,* Hailin Cong* and Youqing Shen

CORRECTION

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Correction: MiR-4458-loaded gelatin nanospheres target COL11A1 for DDR2/SRC signaling pathway inactivation to suppress the progression of estrogen receptor-positive breast cancer

Jie Liu, Chang-Qing Yang, Qiang Chen, Tong-Yao Yu, Shi-Long Zhang, Wei-Hong Guo, Li-Heng Luo, Gang Zhao,* Da-Chuan Yin* and Chen-Yan Zhang*

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