

# Biomaterials Science

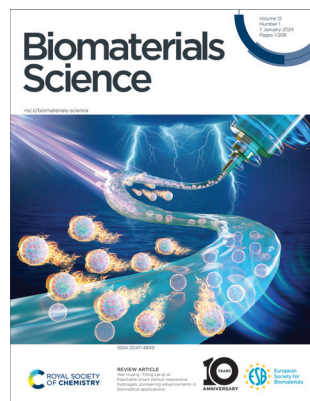
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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### Cover

See Wei Huang, Yiting Lei  
et al., pp. 8–56.

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## REVIEWS

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### Injectable smart stimuli-responsive hydrogels: pioneering advancements in biomedical applications

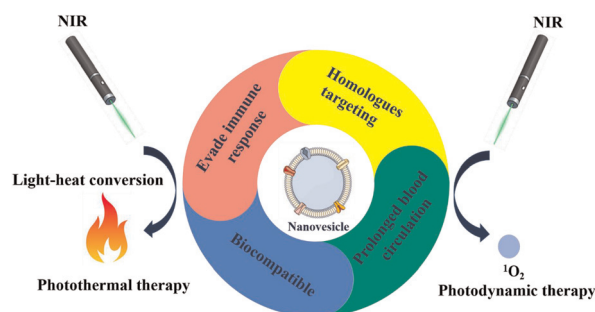
Jiacheng Liu, Chengcheng Du, Wei Huang\* and  
Yiting Lei\*



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### Progress of cell membrane-derived biomimetic nanovesicles for cancer phototherapy

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Weien Yuan, Mingfeng Qiu\* and  
Ana Cláudia Paiva-Santos



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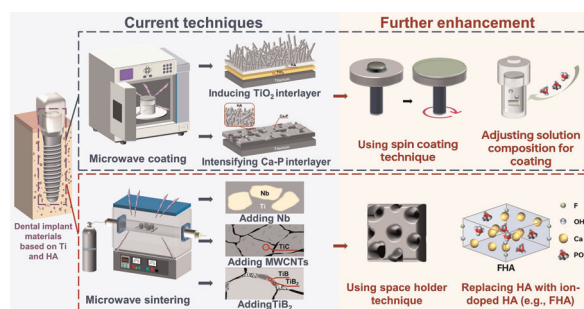


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## Microwave-assisted synthesis of composites based on titanium and hydroxyapatite for dental implantation

Shangyong Zuo, Qian Peng,\* Ting Luo, Yuehong Wang and Zhiwei Peng

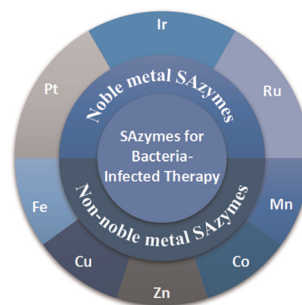


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## Single atom nanozymes for bacterial infection therapy

Xing Lan, Miaomiao Chen, Xin He, Shutao Gao\* and Xinghua Zhao\*

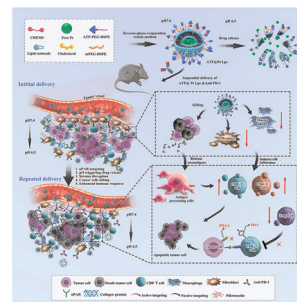


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## Stromal and tumor immune microenvironment reprogramming through multifunctional cisplatin-based liposomes boosts the efficacy of anti-PD-1 immunotherapy in pancreatic cancer

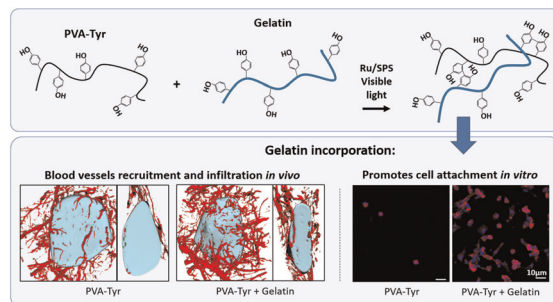
Hang Yu, Wenting Zhu, Caiyan Lin, Menglei Jia, Xiaoxiao Tan, Zhongwen Yuan, Senglin Feng and Pengke Yan\*



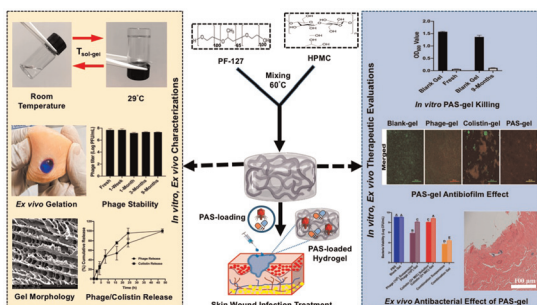
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## Pristine gelatin incorporation as a strategy to enhance the biofunctionality of poly(vinyl alcohol)-based hydrogels for tissue engineering applications

Alessia Longoni,\* Gretel S. Major, Shaoyuan Jiang, Brooke L. Farrugia, David C. Kieser, Tim B. F. Woodfield, Jelena Rnjak-Kovacina and Khoon S. Lim\*



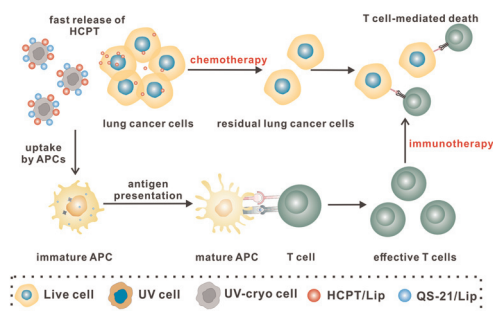
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### A thermosensitive hydrogel formulation of phage and colistin combination for the management of multidrug-resistant *Acinetobacter baumannii* wound infections

Subhankar Mukhopadhyay, Kenneth K. W. To, Yannan Liu, Changqing Bai and Sharon S. Y. Leung\*

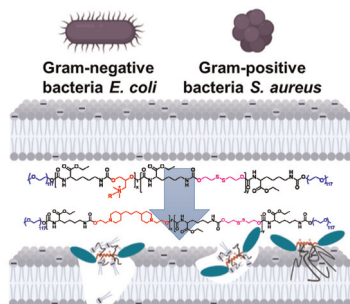
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Jing Zang, Jinniu Zhang, Yijun Mei, Yaoxuan Xiong, Tianyuan Ci\* and Nianping Feng\*

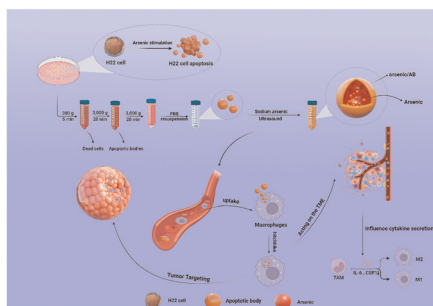
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Wenhao Gu, Zhe Ren, Jie Han, Xue Zhang, Binghua Zhu, Zheng Yan, Haihua Xiao\* and Qiuhua Wei\*

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Ce Li, Ji Ping Zhang, Yi Chao Yuan, Yong Qin Zhao,\* Hang Sheng Zheng\* and Zhi Hong Zhu\*



## Supramolecular pyrrole radical cations for bacterial theranostics

Yue Han, Jing Li, Lihua Zheng, Yunhua Chen, Yan Yang,\*  
Kai Liu,\* Yiyue Zhang\* and Meng Gao\*

