

Journal of Materials Chemistry B

Materials for biology and medicine

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Inside cover

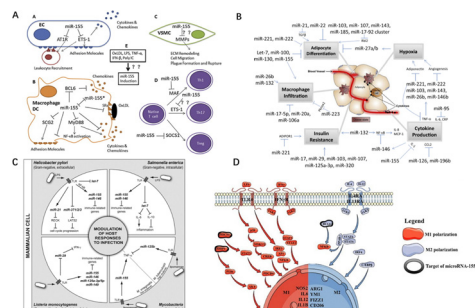
See Jie Zheng *et al.*, pp. 7920–7932.
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REVIEWS

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MicroRNA therapeutics and nucleic acid nano-delivery systems in bacterial infection: a review

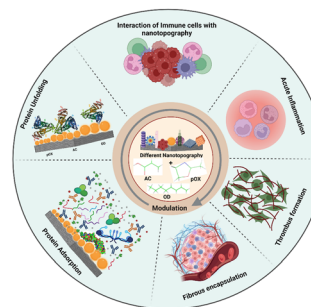
Ze Li, Zhixin Lei, Yilun Cai,* Dong-Bing Cheng* and Taolei Sun*



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Tuning foreign body response with tailor-engineered nanoscale surface modifications: fundamentals to clinical applications

Tara Chand Yadav and Akash Bachhuka*



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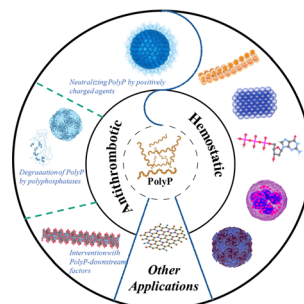


REVIEWS

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Polyphosphate as an antithrombotic target and hemostatic agent

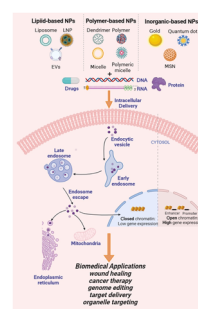
Ruoyu Chen, Mingdong Huang* and Peng Xu*



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Design and fabrication of intracellular therapeutic cargo delivery systems based on nanomaterials: current status and future perspectives

Hong Ma, Fei Xing, Yuxi Zhou, Peiyun Yu, Rong Luo, Jiawei Xu, Zhou Xiang, Pol Maria Rommens, Xin Duan* and Ulrike Ritz*

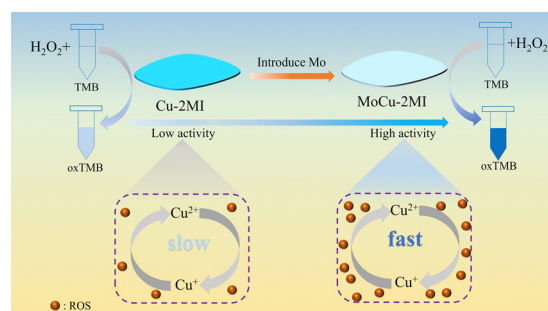


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Enhanced peroxidase-like activity of MOF nanozymes by co-catalysis for colorimetric detection of cholesterol

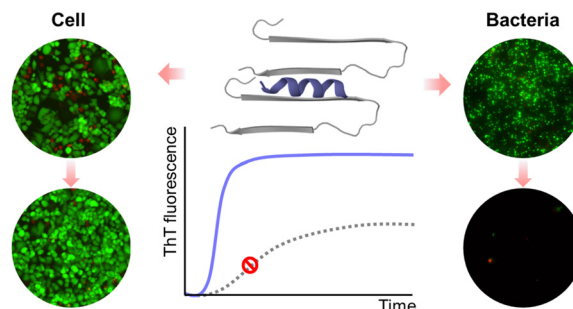
Shuishhi Li, Ling Liang, Longfei Tian, Jia Wu, Yuhui Zhu, Yuan Qin, Shulin Zhao and Fanggui Ye*



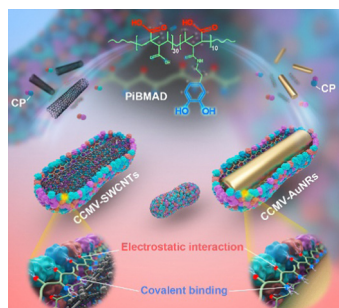
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Cross-seeding enables repurposing of aurein antimicrobial peptides as a promoter of human islet amyloid polypeptide (hIAPP)

Yijing Tang, Dong Zhang, Xiong Gong and Jie Zheng*



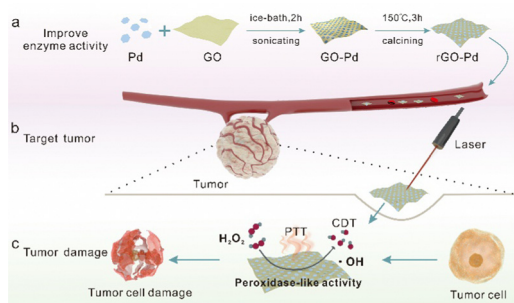
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Construction of viral protein-based hybrid nanomaterials mediated by a macromolecular glue

Shuqin Cao, Sandro Peeters, Sandra Michel-Souzy, Naomi Hamelmann, Jos M. J. Paulusse, Liu-lin Yang* and Jeroen J. L. M. Cornelissen*

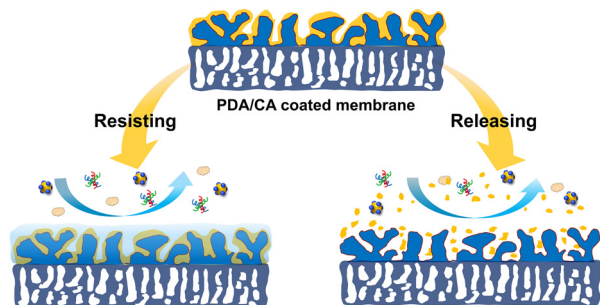
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Modulation of two-dimensional palladium nanozyme activity to enhance chemodynamic/photothermal combined therapy for melanoma

Duo Sun, Kaijun Liu, Yi Cheng, Jinju Sun, Jingqin Fang, Yi Tang, Fangyang Wang, Yu Guo, Yi Wang* and Xiao Chen*

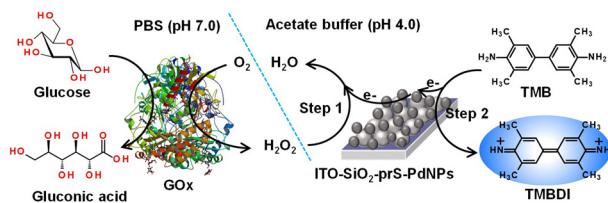
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Biomimetic redox-responsive smart coatings with resistance-release functions for reverse osmosis membranes

Ya-Ge Wu, Xin-Zheng Li, Jing Zhao, Xu Yang, Ya-Juan Cai, Han Jiang, Yi-Xing Sun, Nan-Jun Wei, Yang Liu, Yi-Bo Li, Zi-Hao Yang, Meng-Ying Jiang* and Jing-Gang Gai*

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Pd nanocatalysts adsorbed onto silica nanoparticle coated indium tin oxide: a reusable nanozyme for glucose detection

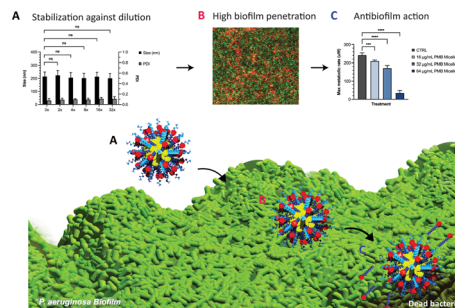
Ridge Chavalala and Philani Mashazi*



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Polymyxin B stabilized DNA micelles for sustained antibacterial and antibiofilm activity against *P. aeruginosa*

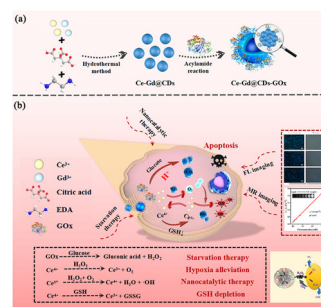
Alexandra Sousa, Vegard Borøy, Agnethe Bæverud, Kjersti Julin, Annette Bayer, Morten Strøm, Mona Johannessen, Nataša Škalco-Basnet and Sybil Obuobi*



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A double rare earth doped CD nanoplatfom for nanocatalytic/starving-like synergistic therapy with GSH-depletion and enhanced reactive oxygen species generation

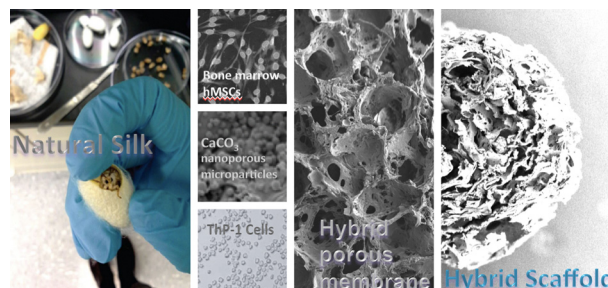
Shufeng Cui, Bin Wang, Changyu Zhai, Shanshan Wei, Hongyuan Zhang and Guoying Sun*



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Concentric-mineralized hybrid silk-based scaffolds for bone tissue engineering *in vitro* models

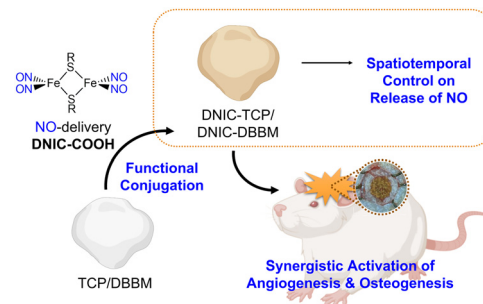
Valeria E. Bosio,* Christofer Rybner and David L. Kaplan



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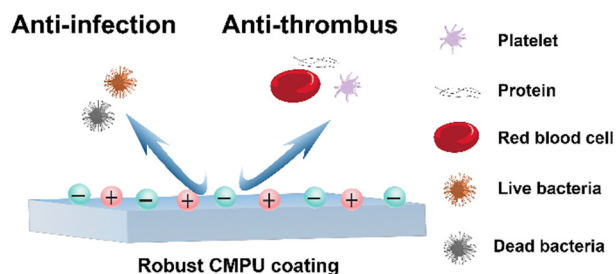
Conjugation of bone grafts with NO-delivery dinitrosyl iron complexes promotes synergistic osteogenesis and angiogenesis in rat calvaria bone defects

Shih-Hao Chang, Hui-Yi Hsiao,* Yi-Hong Chen, Ming-Huei Cheng, Jia-Wei Liu, Hsiao-Jo Huang, Yu-Ting Chou, Tarik Abdelkareem Mostafa Amer, Priya Vijayaraghavan, Sathyadevi Palanisamy, Yun-Ming Wang* and Tsai-Te Lu*



PAPERS

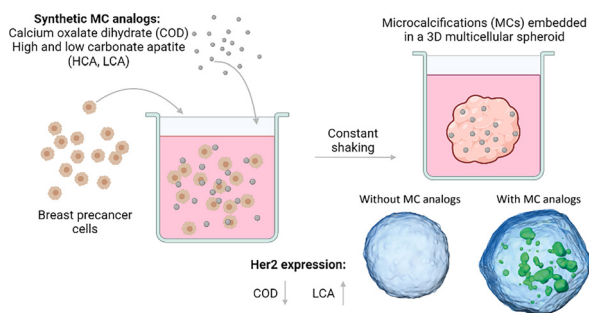
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A robust mixed-charge zwitterionic polyurethane coating integrated with antibacterial and anticoagulant functions for interventional blood-contacting devices

Jinyu Peng, Kaijun Li, Yangrui Du, Feng Yi, Lei Wu* and Gongyan Liu*

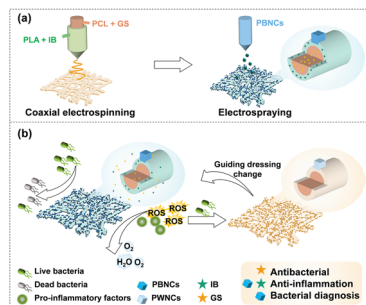
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Multicellular spheroids containing synthetic mineral particles: an advanced 3D tumor model system to investigate breast precancer malignancy potential according to the mineral type

Amit Cohen, Lotem Gotnayer, Sahar Gal, Dina Aranovich and Netta Vidavsky*

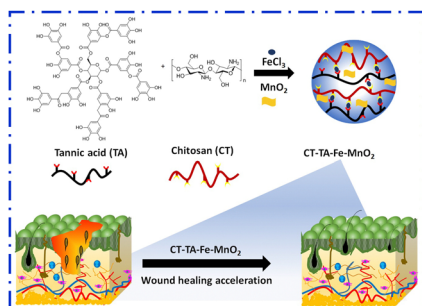
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Multifunctional nanofibrous mats: toward antibacterial and anti-inflammatory applications, and visual bacterial diagnosis

Yujie Gao, Wenxiang Pei, Yang Yang, Mengmeng Li, Hengqiu Sun, Mingchao Chen, Xiaoman Ma, Hui Zhang, Dongming Qi and Jindan Wu*

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Injectable, antibacterial, and oxygen-releasing chitosan-based hydrogel for multimodal healing of bacteria-infected wounds

Shayesteh Bochani, Atefeh Zarepour, Ali Kalantari-Hesari, Fakhri Haghi, Mohammad-Ali Shahbazi, Ali Zarrabi, Sophia Taheri and Aziz Maleki*



CORRECTION

8069

Correction: Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release

Lunqiang Jin, Zhenqiang Shi, Xiang Zhang, Xiaoling Liu, Huiling Li, Jingxia Wang, Feng Liang,* Weifeng Zhao* and Changsheng Zhao*

