

Journal of Materials Chemistry B

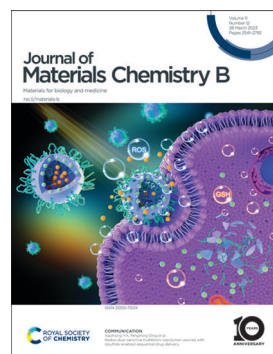
Materials for biology and medicine

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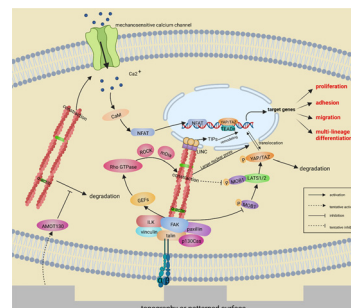
See Vito Rizzi, Pinalysa Cosma *et al.*, pp. 2638–2649. Image reproduced by permission of Pinalysa Cosma and Vito Rizzi from *J. Mater. Chem. B*, 2023, 11, 2638.

REVIEWS

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Response of mesenchymal stem cells to surface topography of scaffolds and the underlying mechanisms

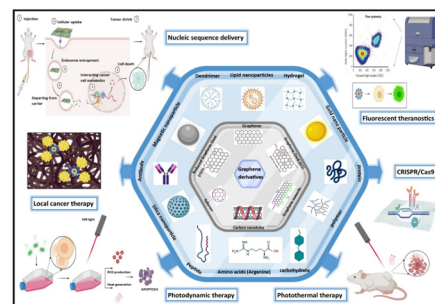
Li Xiao, Yanping Sun, Li Liao and Xiaoxia Su*



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Graphene family in cancer therapy: recent progress in cancer gene/drug delivery applications

Negin Borzooee Moghadam, Manizheh Avatefi, Mahnaz Karimi and Matin Mahmoudifard*



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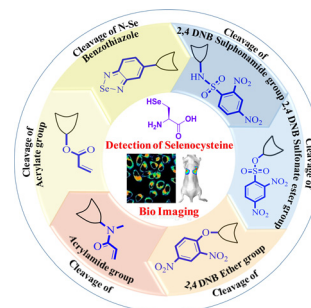


REVIEWS

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Recent progress in the development of small-molecule fluorescent probes for detection and imaging of selenocysteine and application in thyroid disease diagnosis

Ravinkumar Sunilbhai Valand and Areti Sivaiah*

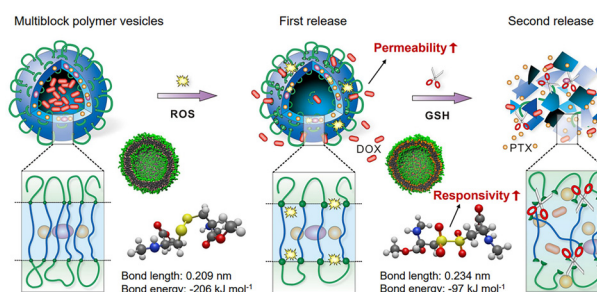


COMMUNICATION

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Redox-dual-sensitive multiblock copolymer vesicles with disulfide-enabled sequential drug delivery

Cheng Cheng, Jiayun Ma, Jinling Zhao, Haiying Lu, Yang Liu, Chuanshi He, Man Lu, Xiaohong Yin,* Jianshu Li and Mingming Ding*

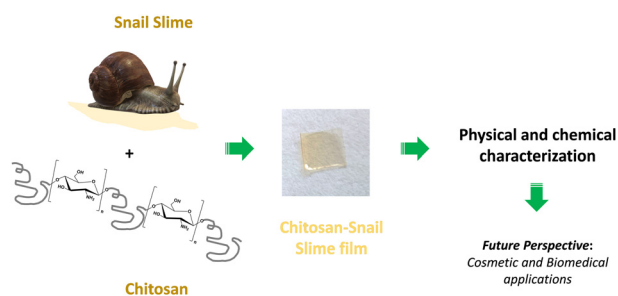


PAPERS

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Chitosan/snail slime films as multifunctional platforms for potential biomedical and cosmetic applications: physical and chemical characterization

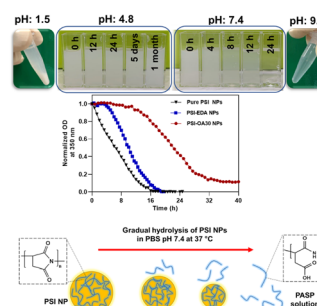
Jennifer Gubitosa, Vito Rizzi,* Paola Fini, Fiorenza Fanelli, Teresa Sibillano, Nicola Corriero and Pinalysa Cosma*



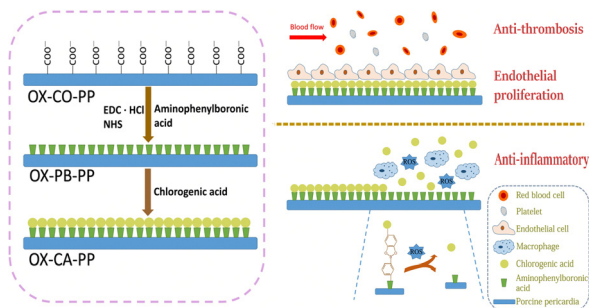
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Poly(succinimide) nanoparticles as reservoirs for spontaneous and sustained synthesis of poly(aspartic acid) under physiological conditions: potential for vascular calcification therapy and oral drug delivery

Hossein Adelnia, Idriss Blakey, Peter J. Little and Hang Thu Ta*



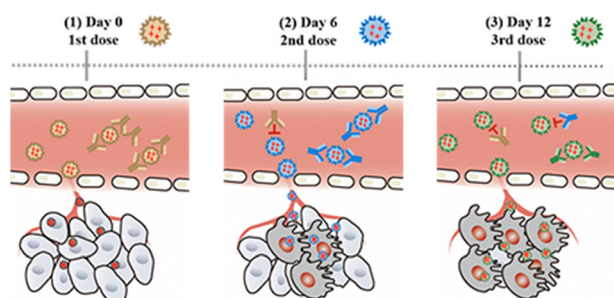
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A chlorogenic acid functional strategy of anti-inflammation, anti-coagulation and promoted endothelial proliferation for bioprosthetic artificial heart valves

Xiaotong Chen, Tao Yu, Qunshou Kong, Hong Xu, Zhiyu Zhao, Gaocan Li,* Haojun Fan and Yunbing Wang

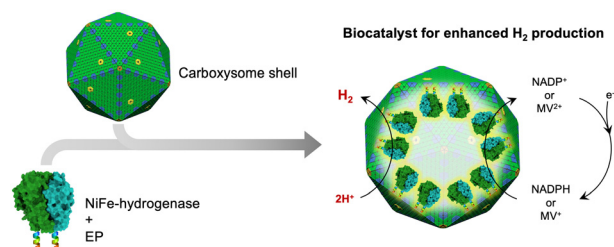
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Sequential administration of virus-like particle-based nanomedicine to elicit enhanced tumor chemotherapy

Chufan Wang, Cheng Xiao, Yurong Chen, Yao Li, Qiang Zhang, Wenjun Shan, Yulin Li, Shengli Bi, Yunlong Wang, Xiumin Wang* and Lei Ren*

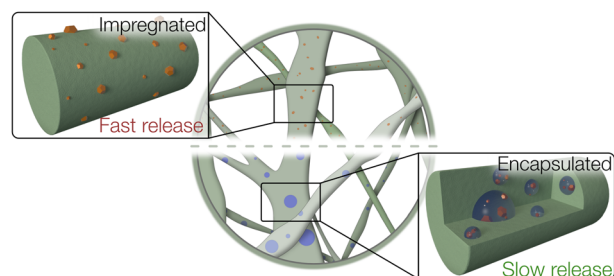
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Synthetic engineering of a new biocatalyst encapsulating [NiFe]-hydrogenases for enhanced hydrogen production

Qiuyao Jiang, Tianpei Li, Jing Yang, Catherine M. Aitchison, Jiafeng Huang, Yu Chen, Fang Huang, Qiang Wang, Andrew I. Cooper and Lu-Ning Liu*

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Microcapsule functionalization enables rate-determining release from cellulose nonwovens for long-term performance

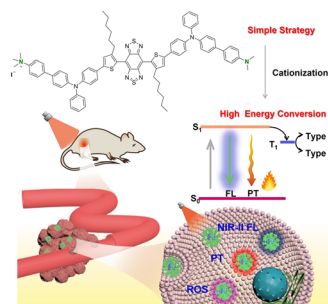
Viktor Eriksson, Jules Mistral, Ting Yang Nilsson, Markus Andersson Trojer and Lars Evenäs*



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A simple strategy for the efficient design of mitochondria-targeting NIR-II phototheranostics

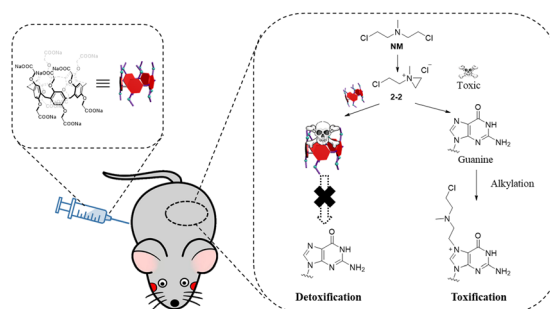
Yuanyuan Li,* Mubin He, Zeming Liu, Clarence Chuah, Youhong Tang, Yanhong Duo* and Ben Zhong Tang*



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Supramolecular detoxification of nitrogen mustard *via* host–guest encapsulation by carboxylatopillar[5]arene

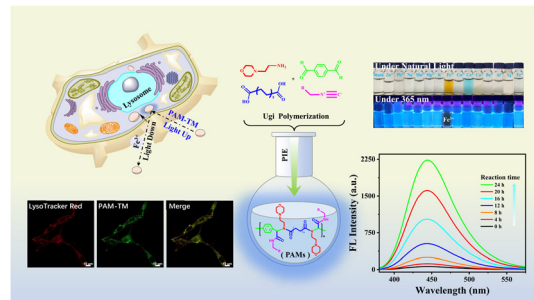
Siyuan Zhou, Yi Chen, Jie Xu, Yongfei Yin, Jianqing Yu, Wei Liu,* Shigui Chen* and Lu Wang*



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Polymerization-induced emission (PIE) of multifunctional polyamides synthesized by Ugi polymerization and targeted imaging of lysosomes

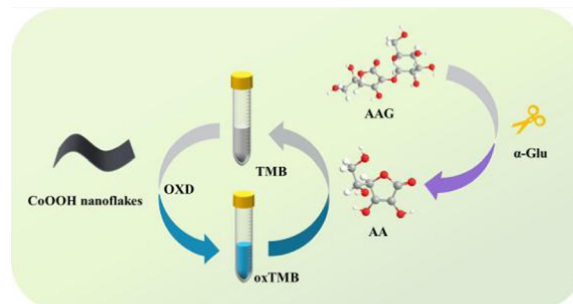
Xue Meng, Tingting Hao, Da Zhang, Ronghui Zhao, Hongmei Liu, Pengfei Zhang and Kuilin Deng*



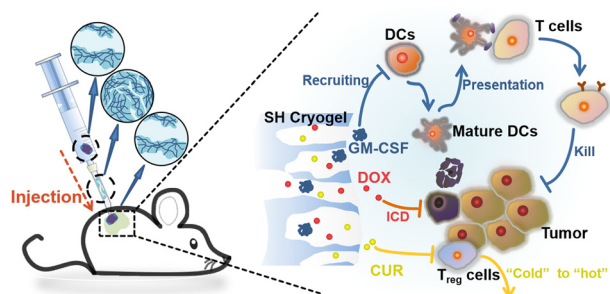
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Ultrasensitive determination of α -glucosidase activity using CoOOH nanozymes and its application to inhibitor screening

Demiao Ma, Jia Ge,* Ang Wang, Jingxian Li, Hongfen Yang, Wenlei Zhai* and Ren Cai*



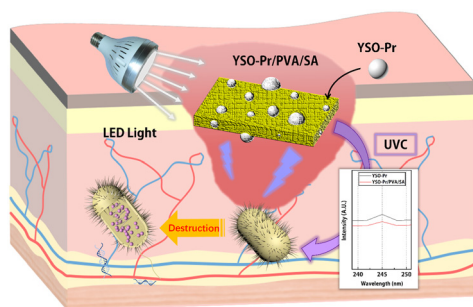
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Injectable zwitterionic cryogels for accurate and sustained chemoimmunotherapy

Zhang Jing,* Lu Jie, Qian Sunxiang, Ni Haifeng and Feng Jie*

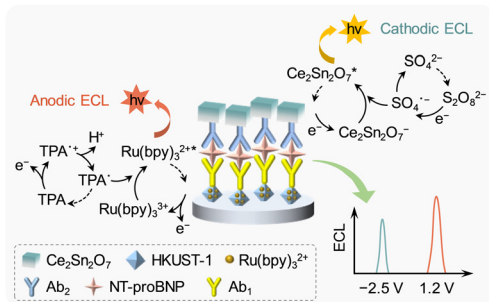
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Visible-UVC upconversion polymer films for prevention of microbial infection

Hang Zhao, Liang Zhang,* Jinsuo Lu,* Shouning Chai, Jinliu Wei, Yuning Yu, Ruoyan Miao and Lvling Zhong

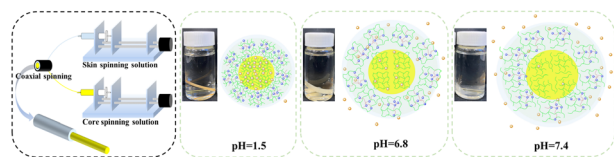
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A sensitive dual-signal electrochemiluminescence immunosensor based on $\text{Ru}(\text{bpy})_3^{2+}$ @HKUST-1 and $\text{Ce}_2\text{Sn}_2\text{O}_7$ for detecting the heart failure biomarker NT-proBNP

Yu Ji, Shuang He, Yang Chen,* Pei Zhang, Jing Sun, Ya Li, Kaida Kuang and Nengqin Jia*

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Dual-stimuli responsive skin-core structural fibers with an *in situ* crosslinked alginate ester for hydrophobic drug delivery

Yi Xu, Jing Guo,* Yuanfa Liu,* Fucheng Guan, Zheng Li, Qiang Yao and Da Bao

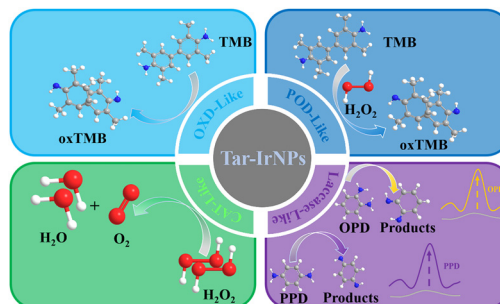


PAPERS

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Tartaric acid stabilized iridium nanoparticles with excellent laccase-like activity

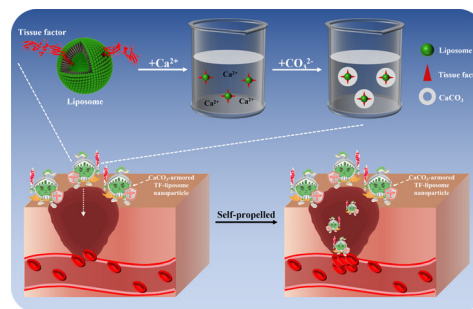
Shanhao Hao, Cheng Fu, Lin Zhou, Zhanghong Guo and Qijun Song*



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Armoring a liposome-integrated tissue factor with sacrificial CaCO₃ to form potent self-propelled hemostats

Chengkun Liu, Zhuang Shi, Jingyan Zhu, Chang Liu, Xiaodan Liu, Naseer Ullah Khan, Shihai Liu, Xiaojuan Wang, Xiaoqiang Wang* and Fang Huang*



CORRECTION

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Correction: Restoring the electrical microenvironment using ferroelectric nanocomposite membranes to enhance alveolar ridge regeneration in a mini-pig preclinical model

Yiping Li, Yanze Meng, Yunyang Bai, Yijun Wang, Jiaqi Wang, Boon Chin Heng, Jinqi Wei, Xi Jiang, Min Gao,* Xiaona Zheng,* Xuehui Zhang* and Xuliang Deng

