

Journal of Materials Chemistry B

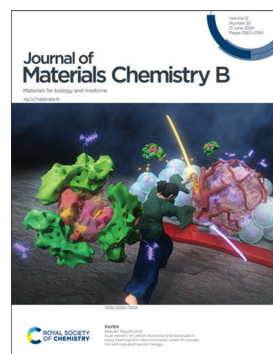
Materials for biology and medicine

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IN THIS ISSUE

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Cover

See Kazuaki Taguchi *et al.*,
pp. 5600–5608.
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EDITORIAL

5571

An introduction to injectable hydrogels

Julieta I. Paez* and Khoon S. Lim *

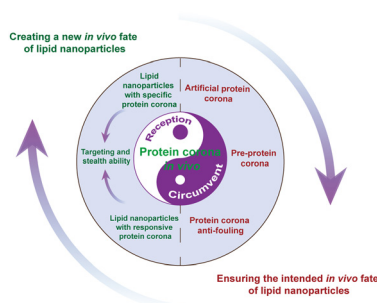


PERSPECTIVE

5573

Looking back, moving forward: protein corona of lipid nanoparticles

Yue Gao, Yeqi Huang, Chuanyu Ren, Peiwen Chou,
Chuanbin Wu, Xin Pan, Guilan Quan* and
Zhengwei Huang*



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Fundamental questions
Elemental answers

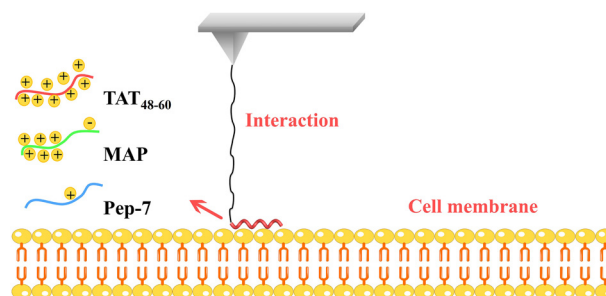


COMMUNICATIONS

5589

Revealing the dynamic mechanism of cell-penetrating peptides across cell membranes at the single-molecule level

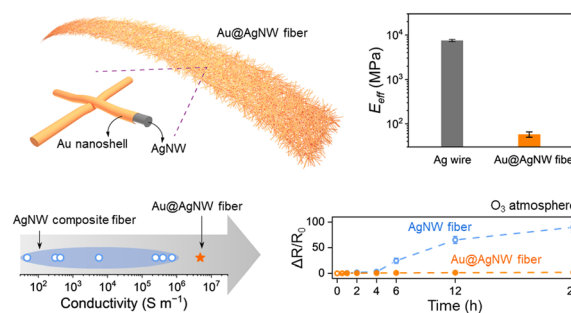
Yuhang Zhai, Siying Li, Hui Wang and Yuping Shan*



5594

High-performing fiber electrodes based on a gold-shelled silver nanowire framework for bioelectronics

Kailin Zhang, Chengqiang Tang, Sihui Yu, Hang Guan, Xiao Sun, Mingjie Cao, Songlin Zhang, Xuemei Sun* and Huisheng Peng

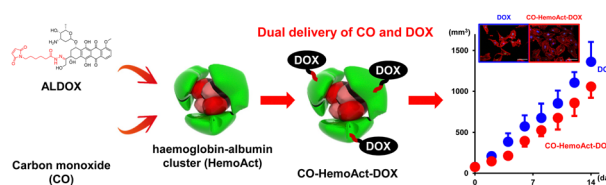


PAPERS

5600

Dual delivery of carbon monoxide and doxorubicin using haemoglobin–albumin cluster: proof of concept for well-tolerated cancer therapy

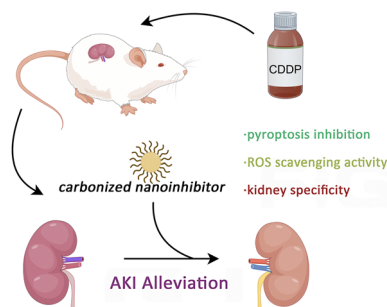
Chihiro Ito, Kazuaki Taguchi,* Taiga Yamada, Kengo Hanaya, Yuki Enoki, Takeshi Sugai, Teruyuki Komatsu and Kazuaki Matsumoto



5609

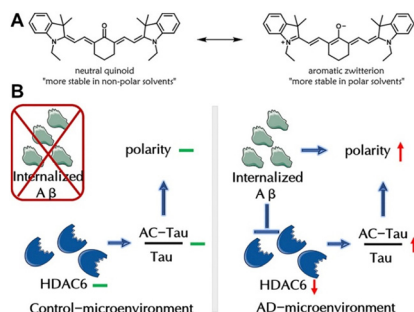
Targeted inhibition of pyroptosis via a carbonized nanoinhibitor for alleviating drug-induced acute kidney injury

YanJun Ji, Huan Wang,* Xinchun Liu, Zitong Zhu, AnJun Song, Li Chen and Jinsong Ren*



PAPERS

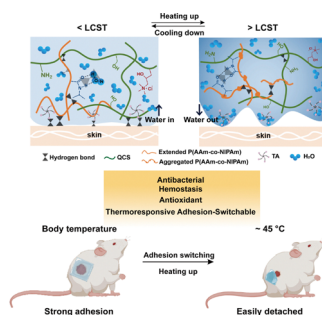
5619



A ratiometric fluorescent probe revealing the abnormality of acetylated tau by visualizing polarity in Alzheimer's disease

Panpan Sun, Hai-Chao Chen, Wenting Guo, Zefan Zhang, Shihao Sun, Ningshuang Gao, Yu-Hong Jing* and Baodui Wang*

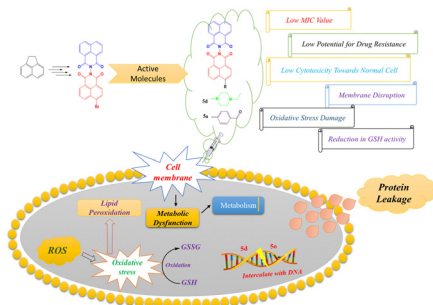
5628



An adhesion-switchable hydrogel dressing for painless dressing removal without secondary damage

Zhiling Yu, Weiqiang Huang, Fei Wang, Xuan Nie, Guang Chen, Lei Zhang, Ai-Zong Shen,* Ze Zhang,* Chang-Hui Wang* and Ye-Zi You*

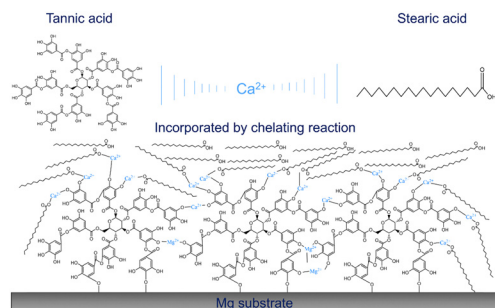
5645



Bacterial cell death to overcome drug resistance with multitargeting bis-naphthalimides as potent antibacterial agents against *Enterococcus faecalis*

Saurabh Gupta, Vijay Luxami and Kamaldeep Paul*

5661



Metal–organic complex coating for enhanced corrosion control and biocompatibility on biodegradable magnesium alloy for orthopaedic implants

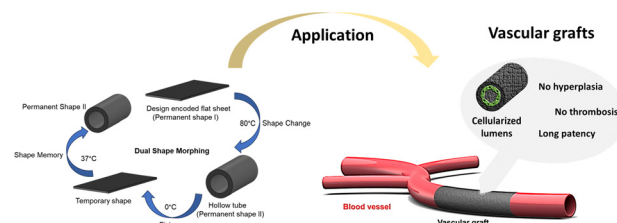
Jiacheng Wang, Zhenglong Dou, Li Xia and Nan Huang*



5678

Design-encoded dual shape-morphing and shape-memory in 4D printed polymer parts toward cellularized vascular grafts

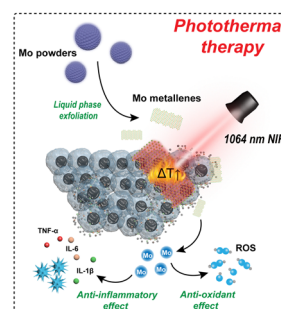
Saswat Choudhury, Akshat Joshi, Vageesh Singh Baghel, G. K. Ananthasuresh, Sonal Asthana, Shervanthi Homer-Vanniasinkam and Kaushik Chatterjee*



5690

Liquid exfoliation of molybdenum metallenes for non-inflammatory photothermal therapy of tumors

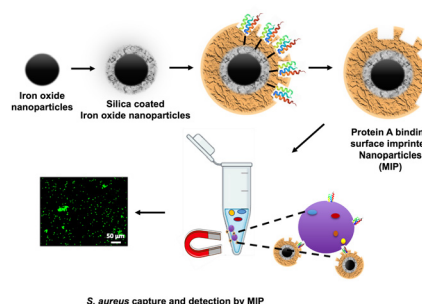
Chenxin Lu, Xiang Huang, Zhaoying Jin, Junwei Deng, Zhengbao Zha* and Zhaohua Miao*



5699

Rationally designed protein A surface molecularly imprinted nanoparticles for the capture and detection of *Staphylococcus aureus*

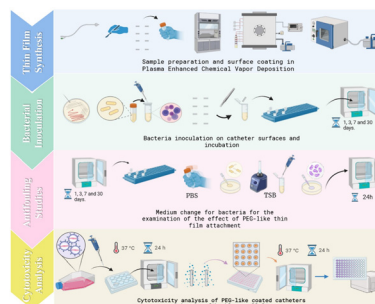
Kritika Narula, Soumya Rajpal, Snehasis Bhakta, Senthilguru Kulanthaivel and Prashant Mishra*



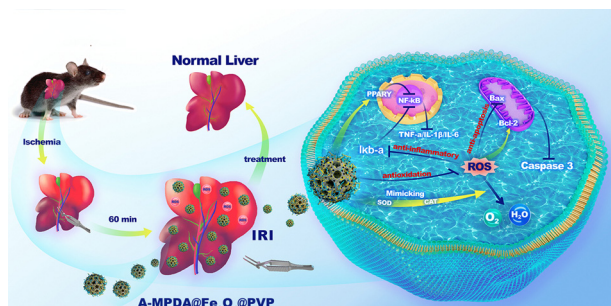
5711

Long-term antifouling surfaces for urinary catheters

Mustafa Tüfekçi, Sena Hamarat, Tuğba Demir Çalışkan, Hatice Ferda Özgüzar, Ahmet Ersin Meydan, Julide Sedef Göçmen, Ebru Evren, Mehmet İlker Gökçe and Hilal Goktas*



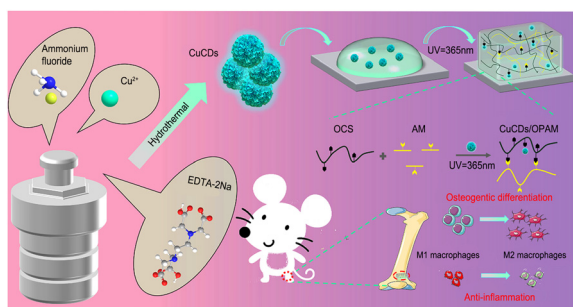
5722



Activation of the PPAR γ /NF- κ B pathway by A-MPDA@Fe $_3$ O $_4$ @PVP via scavenging reactive oxygen species to alleviate hepatic ischemia-reperfusion injury

Dong Mo, Wei Cui, Linxin Chen, Juanjuan Meng, Yuting Sun, Kaiyong Cai, Jixi Zhang,* Jianrong Zhang,* Kui Wang* and Xiaohe Luo*

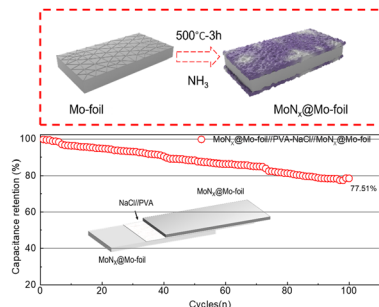
5734



Copper-based carbon dots modified hydrogel with osteoimmunomodulatory and osteogenesis for bone regeneration

Xu Wei, Chang Wan, Xu Peng, Yihao Luo, Mengyue Hu, Can Cheng, Shaoxiong Feng and Xixun Yu*

5749



Biodegradable MoN $_x$ @Mo-foil electrodes for human-friendly supercapacitors

Hongjia Ren, Hongru Zhao, Muhammad Sufyan Javed,* Sajid Hussain Siyal, Xinze Zhang, Xiaofeng Zhang, Awais Ahmad, Iftikhar Hussain, Mohamed A. Habila and Weihua Han*

