

Journal of Materials Chemistry B

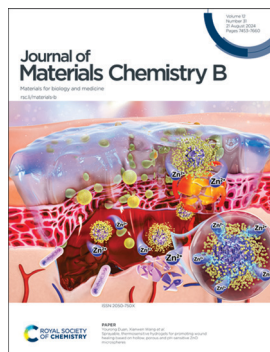
Materials for biology and medicine

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Cover

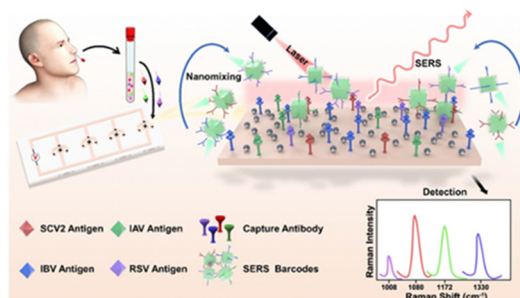
See Yourong Duan,
Xianwen Wang *et al.*,
pp. 7519–7531.
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HIGHLIGHT

7461

A novel surface-enhanced Raman based molecular identification platform for multiplexed and highly accurate clinical diagnosis of viral diseases

Yida Pang, Qihang Ding and Lin Xu*

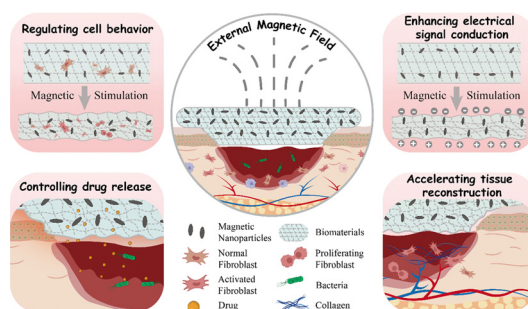


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Magneto-responsive biocomposites in wound healing: from characteristics to functions

Haoyang Ding, Lili Hao* and Hongli Mao*



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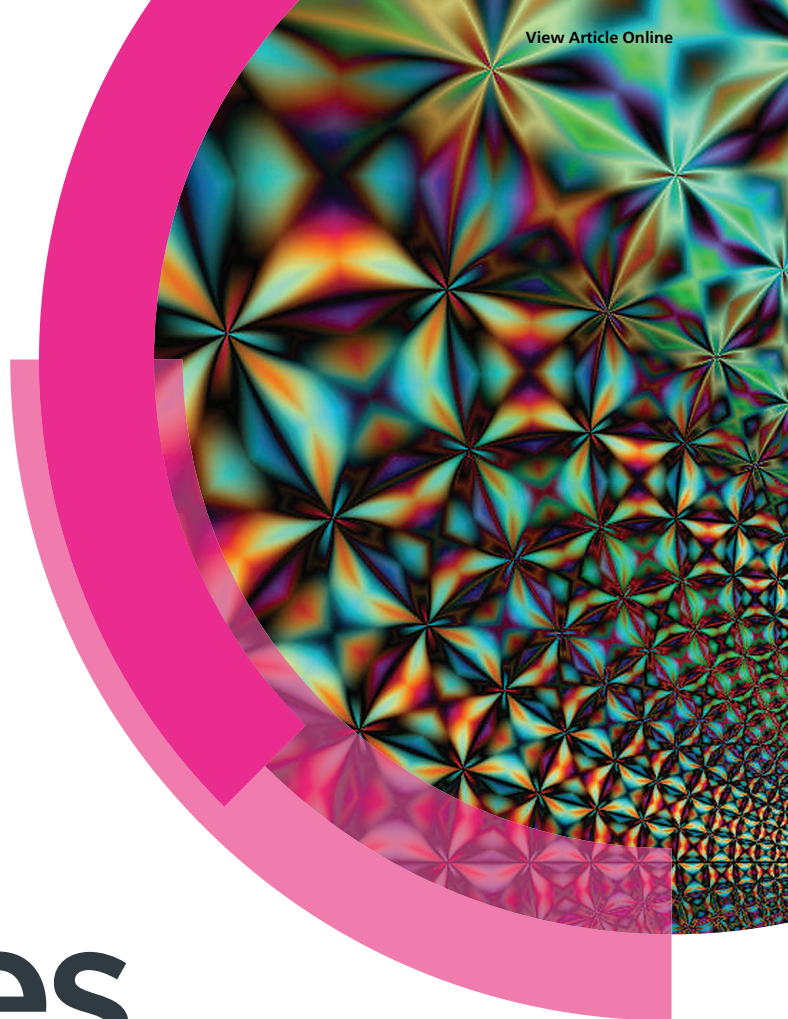


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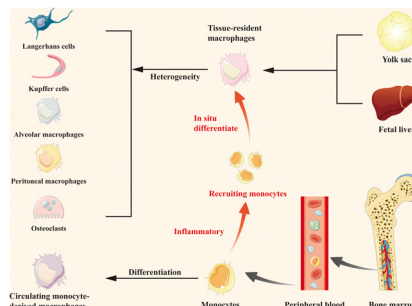


REVIEWS

7480

Chitosan-based biomaterials promote bone regeneration by regulating macrophage fate

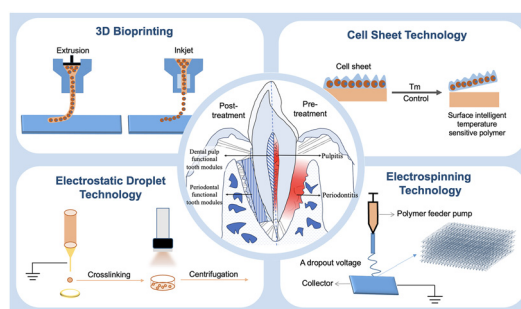
Huiling Deng, Yuanyuan Guan, Quping Dong, Ran An* and Jiecong Wang*



7497

Recent advances of functional modules for tooth regeneration

Xuan Wang, Qiuyu Chen, Jiayi Li, Weidong Tian, Zhi Liu* and Tian Chen*

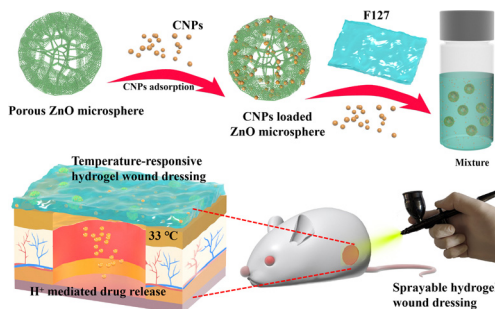


PAPERS

7519

Sprayable, thermosensitive hydrogels for promoting wound healing based on hollow, porous and pH-sensitive ZnO microspheres

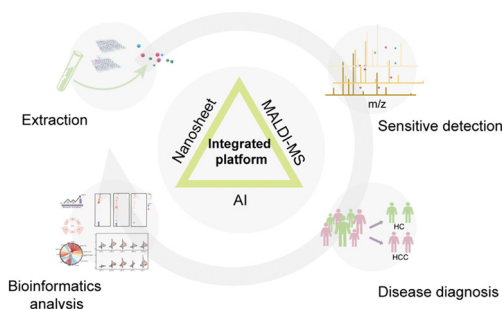
Wei Zhang, Hongshu Jing, Qiang Niu, Zhihua Wu, Ying Sun, Yourong Duan* and Xianwen Wang*



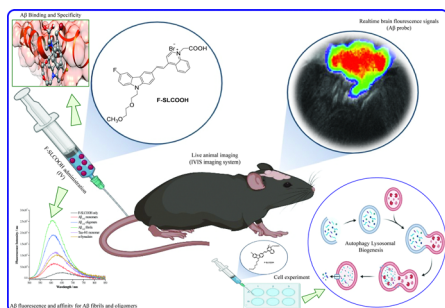
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An integrated platform for decoding hydrophilic peptide fingerprints of hepatocellular carcinoma using artificial intelligence and two-dimensional nanosheets

Zhiyu Li, Bingcun Ma, Shaoxuan Shui, Zunfang Tu, Weili Peng, Yuanyuan Chen, Juan Zhou,* Fang Lan,* Binwu Ying and Yao Wu



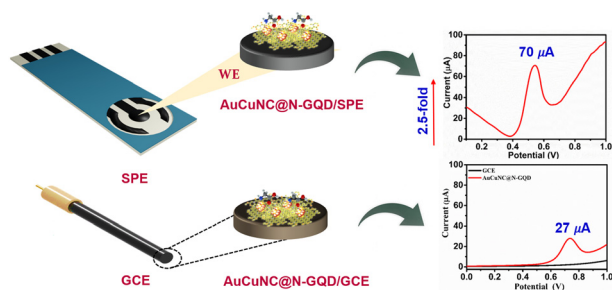
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Molecular engineering of a theranostic molecule that detects A β plaques, inhibits Iowa and Dutch mutation A β self-aggregation and promotes lysosomal biogenesis for Alzheimer's disease

Ashok Iyaswamy,* Xueli Wang, Hailong Zhang, Karthick Vasudevan, Dapkupar Wankhar, Kejia Lu, Senthilkumar Krishnamoorthi, Xin-Jie Guan, Cheng-Fu Su, Jia Liu, Yuxuan Kan, Ravindran Jaganathan, Zhiqiang Deng, Hung-Wing Li,* Man Shing Wong* and Min Li*

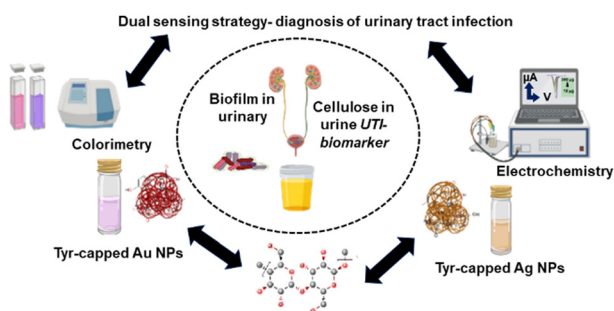
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Nanomolar level electrochemical detection of glycine on a miniaturized modified screen-printed carbon-based electrode: a comparison of performance with glassy carbon electrode system

Saisree S.,* Chandradas Shamili, Sandhya K. Y., Surendran Kuzhichalil Peethambharan and Achu Chandran*

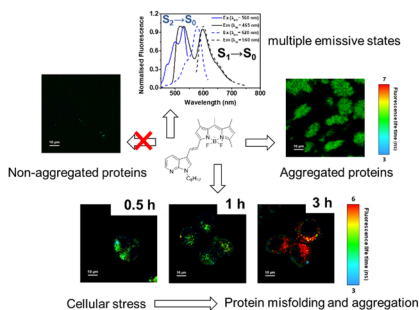
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A dual-sensing strategy for the early diagnosis of urinary tract infections via detecting biofilm cellulose using aromatic amino acid-capped Au and Ag nanoparticles

Kavi Bharathi Ramaiah, Indhu Suresh, C. S. Srinandan, N. Sai Subramanian* and John Bosco Balaguru Rayappan*

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Protein aggregation monitoring in cells under oxidative stress: a novel fluorescent probe based on a 7-azaindole-BODIPY derivative

Diego Herrera-Ochoa, Iván Llano, Consuelo Ripoll, Pierre Cybulski, Martin Kreuzer, Susana Rocha,* Eva M. García-Frutos,* Iván Bravo and Andrés Garzón-Ruiz*

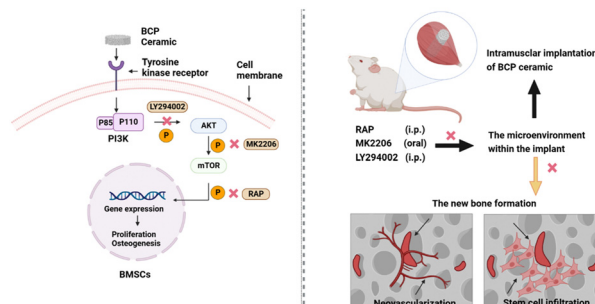


PAPERS

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PI3K/AKT/mTOR signaling regulates BCP ceramic-induced osteogenesis

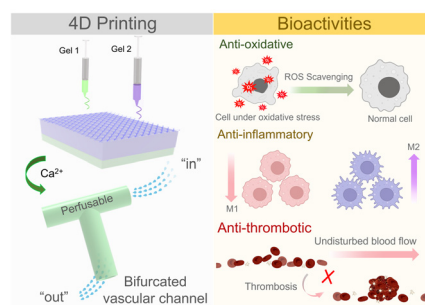
Peijie Tan, Yuchen Hua, Bo Yuan, Xiaoyang Liu, Xuening Chen, Wei-Nan Zeng, Qin Zeng,* Xiangdong Zhu* and Xingdong Zhang



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A 4D printed nanoengineered super bioactive hydrogel scaffold with programmable deformation for potential bifurcated vascular channel construction

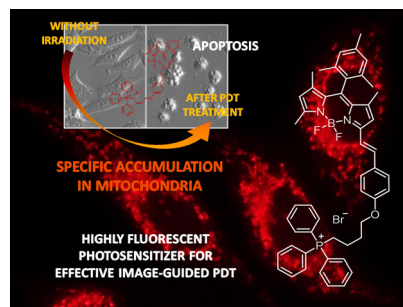
Amit Nain,* Akshat Joshi, Souvik Debnath, Saswat Choudhury, Jobin Thomas, Jitendra Satija, Chih-Ching Huang and Kaushik Chatterjee*



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A highly fluorescent and readily accessible all-organic photosensitizer model for advancing image-guided cancer PDT

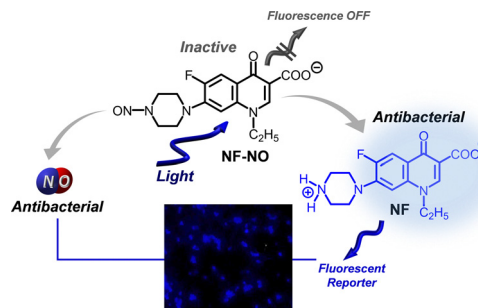
Andres Garcia-Sampedro, Alejandro Prieto-Castañeda, Antonia R. Agarrabeitia, Jorge Bañuelos, Inmaculada García-Moreno, Angeles Villanueva, Santiago de la Moya,* María J. Ortiz* and Pilar Acedo*



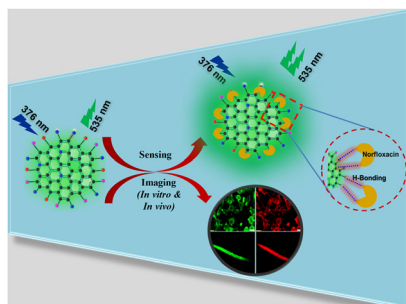
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Simultaneous photoactivation of a fluoroquinolone antibiotic and nitric oxide with fluorescence reporting

Tassia J. Martins, Cristina Parisi, Juliana Guerra Pinto, Isabelle de Paula Ribeiro Brambilla, Barbara Melilli, Danilo Aleo, Juliana Ferreira-Strixino and Salvatore Sortino*



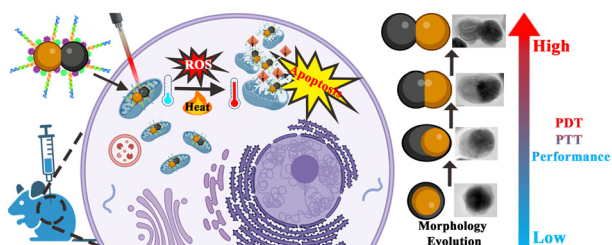
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Nitrogen-doped carbon dots: a novel biosensing platform for selective norfloxacin detection and bioimaging

S. Sivaselvam, R. S. Anjana, N. S. Dhujana, Marina Victor and Ramapurath S. Jayasree*

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Structural engineering of mitochondria-targeted Au–Ag₂S photosensitizers for enhanced photodynamic and photothermal therapy

Ruofei Ma, Qi Zhang, Yue Wang* and Zhangrun Xu*

