

Journal of Materials Chemistry B

Materials for biology and medicine

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ISSN 2050-750X CODEN JMCBDV 11(48) 11397–11628 (2023)



Cover

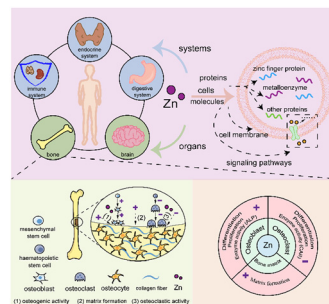
See Pengfei Liu *et al.*,
pp. 11496–11504.
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REVIEWS

11405

Zinc-based biomaterials for bone repair and regeneration: mechanism and applications

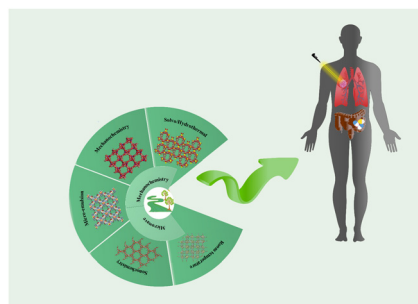
Xinyu Wen, Jian Wang, Xibo Pei* and Xin Zhang*



11426

The green synthesis and applications of biological metal–organic frameworks for targeted drug delivery and tumor treatments

Ehsan Binaeian, Hafezeh Nabipour, Soroush Ahmadi and Sohrab Rohani*



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Journal of Materials Chemistry B (electronic: ISSN 2050-7518) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WE.

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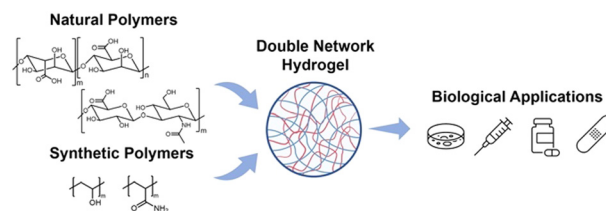


REVIEWS

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Recent advances in double network hydrogels based on naturally-derived polymers: synthesis, properties, and biological applications

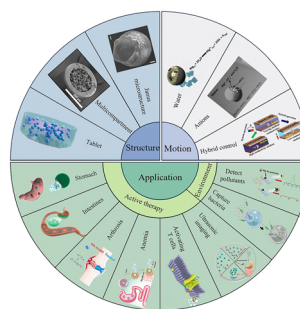
Korina Vida G. Sinad, Ruth C. Ebubechukwu and Crystal K. Chu*



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Recent advancements in Mg-based micromotors for biomedical and environmental applications

Yue Wang, Boyu Qin,* Sihao Gao, Xuanchun Wang, Hongyue Zhang* and Zhiguang Wu*

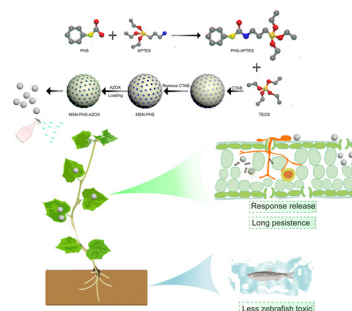


PAPERS

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Fabrication of ROS-responsive nanoparticles by modifying the interior pore-wall of mesoporous silica for smart delivery of azoxystrobin

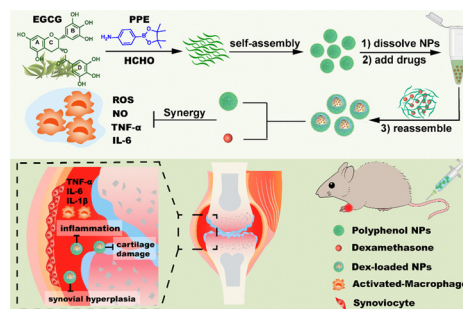
Tuqiang Gao, Borui Zhang, Zhaochen Wu, Qizhen Zhang, Xin Shi, Congying Zhou, Xiaofang Liu, Pengfei Liu* and Xili Liu



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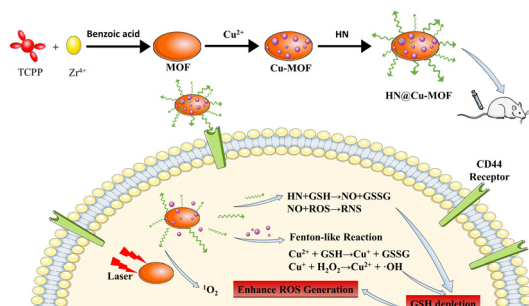
Tea polyphenol carrier-enhanced dexamethasone nanomedicines for inflammation-targeted treatment of rheumatoid arthritis

Zeng Yi, Yaqin Ran, Xiangyu Chen, Qiulan Tong, Lei Ma, Yunfei Tan, Xiaomin Ma and Xudong Li*



PAPERS

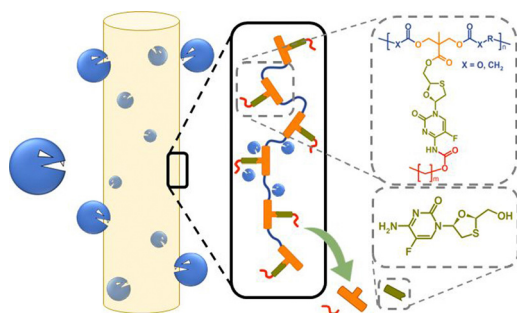
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All-in-one HN@Cu-MOF nanoparticles with enhanced reactive oxygen species generation and GSH depletion for effective tumor treatment

Shuhui Chen, Yu Yan, Yixuan Chen, Kaili Wang, Yawen Zhang, Xinlong Wang, Xurui Li, Jian Wen* and Yue Yuan*

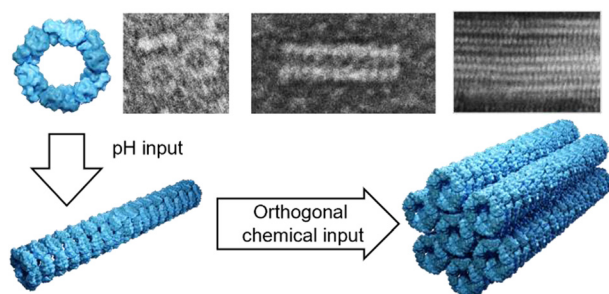
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Polymer-prodrug conjugates as candidates for degradable, long-acting implants, releasing the water-soluble nucleoside reverse-transcriptase inhibitor emtricitabine

Chung Liu, Faye Y. Hern, Anika Shakil, Kartik Temburnikar, Pierre Chambon, Neill Liptrott, Tom O. McDonald, Megan Neary, Charles Flexner, Andrew Owen, Caren Freil Meyers and Steve P. Rannard*

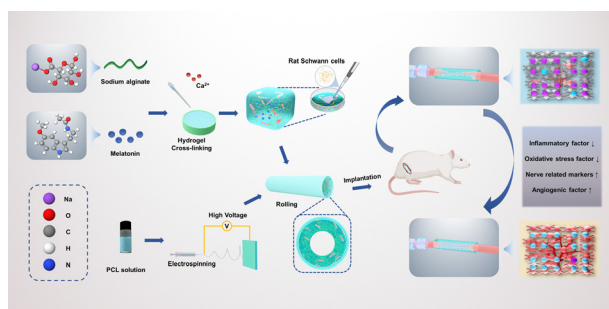
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Hierarchical peroxiredoxin assembly through orthogonal pH-response and electrostatic interactions

Eduardo Anaya-Plaza,* Zual Özdemir, Zdenek Wimmer and Mauri A. Kostiainen*

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An extracellular matrix mimicking alginate hydrogel scaffold manipulates an inflammatory microenvironment and improves peripheral nerve regeneration by controlled melatonin release

Xu Wang, Xiangyun Yao, Ziyang Sun, Yi Jin, Zhiwen Yan, Huiquan Jiang, Yuanming Ouyang, Wei-En Yuan,* Chunyang Wang* and Cunyi Fan*

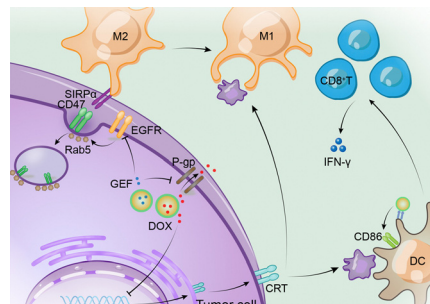


PAPERS

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Improving nanochemoimmunotherapy efficacy by boosting “eat-me” signaling and downregulating “don’t-eat-me” signaling with *Ganoderma lucidum* polysaccharide-based drug delivery

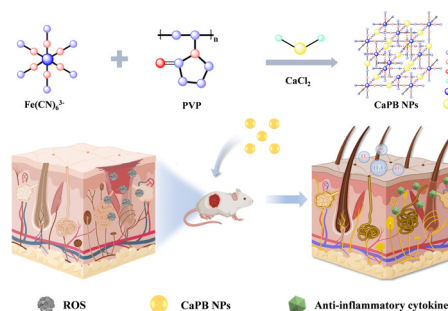
Guibin Pang, Siqi Wei, Jian Zhao* and Fu-Jun Wang*



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Ultrasmall calcium-enriched Prussian blue nanozymes promote chronic wound healing by remodeling the wound microenvironment

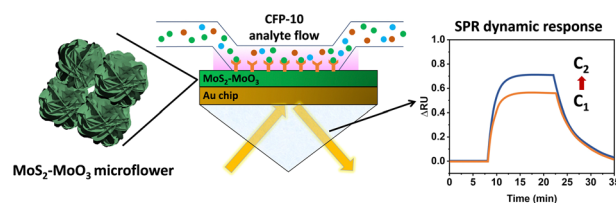
Qingrong Dong, Ge Fang,* Fang Liu, Shuwei Cai, Yujie Tao, Tingyu Xue, Minghua Tang, Kun Zhang, Ziheng An, Jiangfeng Du* and Hui Zhang*



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Surface plasmon resonance biosensor chips integrated with MoS₂–MoO₃ hybrid microflowers for rapid CFP-10 tuberculosis detection

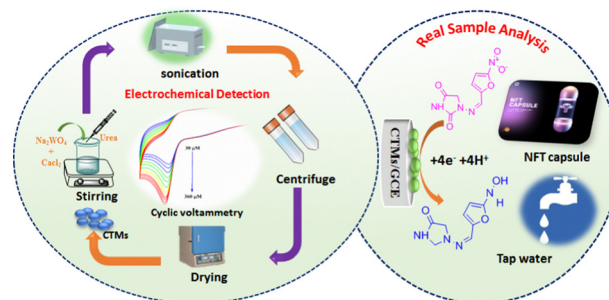
Chandra Wulandari, Ni Luh Wulan Septiani, Gilang Gumilar, Ahmad Nuruddin, Nugraha, Muhammad Iqbal, Hutomo Suryo Wasisto and Brian Yulianto*



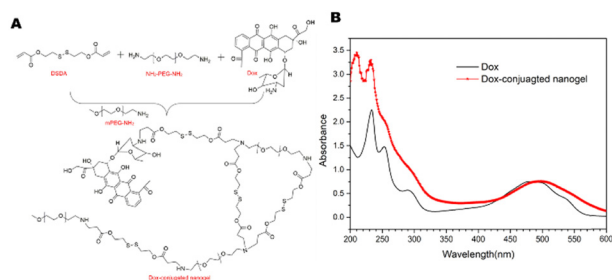
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Development of novel microsphere structured – calcium tungstate as efficacious electrocatalyst for the detection of antibiotic drug nitrofurantoin

P. Manikanta, Mounesh, Rohit Rangnath Nikam, S. Sandeep and Bhari Mallanna Nagaraja*



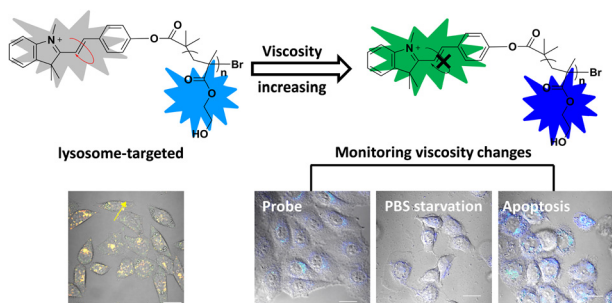
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A glutathione-responsive PEGylated nanogel with doxorubicin-conjugation for cancer therapy

Shufen Li, Qiang Wang, Xiao Duan,* Zhen Pei, Zhipeng He, Wei Guo* and Lingna Han*

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Construction of a polymer-based fluorescent probe with dual responsive sites for monitoring changes of lysosomal viscosity

Faqi Yu, Ruiyang Fan, Yansheng Zhao, Yijun Chen, Xiuqi Kong and Weiyang Lin*

