

Journal of Materials Chemistry B

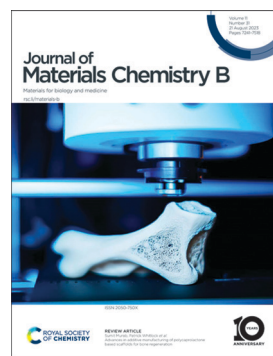
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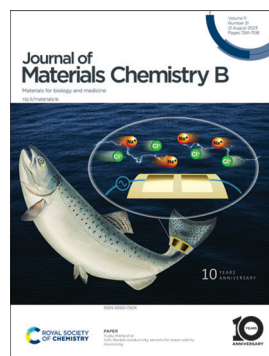
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ISSN 2050-750X CODEN JMCBDV 11(31) 7241–7518 (2023)



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See Sumit Murab, Patrick Whitlock *et al.*, pp. 7250–7279. Image reproduced by permission of Sumit Murab from *J. Mater. Chem. B*, 2023, **11**, 7250.



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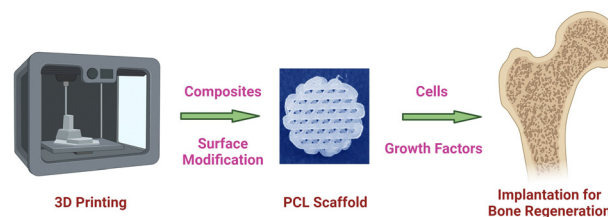
See Xueju Wang *et al.*, pp. 7334–7343. Image reproduced by permission of Xueju Wang from *J. Mater. Chem. B*, 2023, **11**, 7334.

REVIEWS

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Advances in additive manufacturing of polycaprolactone based scaffolds for bone regeneration

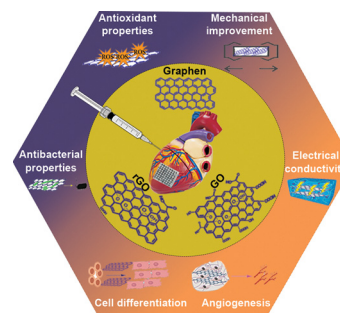
Sumit Murab,* Sydney Herold, Teresa Hawk, Alexander Snyder, Emil Espinal and Patrick Whitlock*



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Potential of graphene-based nanomaterials for cardiac tissue engineering

Fatemeh Edrisi, Nafiseh Baheiraei,* Mehdi Razavi, Kaveh Roshanbinfar, Rana Imani and Negin Jalilnejad



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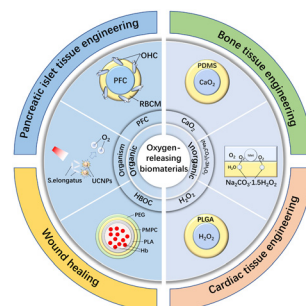


REVIEWS

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Oxygen-releasing biomaterials for regenerative medicine

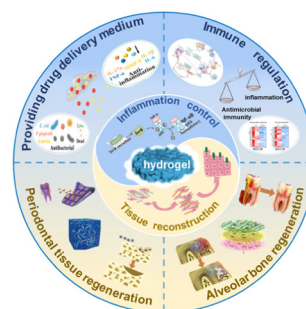
Zhaojun Wang, Tianao Chen, Xin Li, Buyun Guo, Peng Liu, Zhiqiang Zhu* and Ronald X. Xu*



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Huiyu Zheng, Yuan Zhou, Yu Zheng* and Guiting Liu*

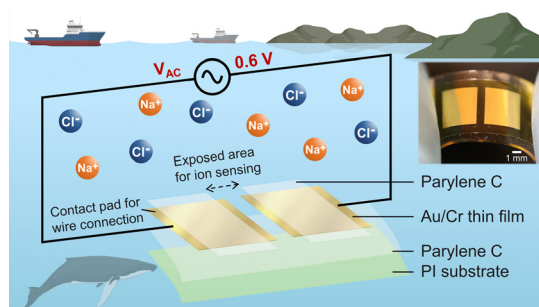


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Soft, flexible conductivity sensors for ocean salinity monitoring

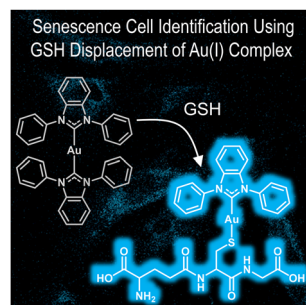
Shao-Hao Lu, Yi Li and Xueju Wang*



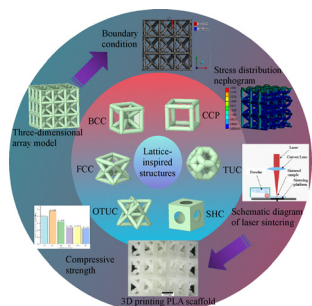
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Glutathione displacement assay based on a fluorescent Au(I) complex

Shinae Lee, Seunga Heo, Jihwan Park, Jeongyun Heo,* Sehoon Kim* and Youngmin You*



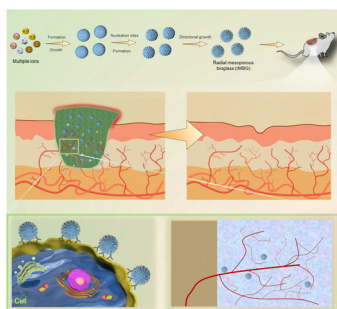
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3D-Printed lattice-inspired composites for bone reconstruction

Wenmin Guo, Huanhuan Xu, Dachuan Liu, Li Dong, Ting Liang, Bin Li, Bin Meng* and Song Chen*

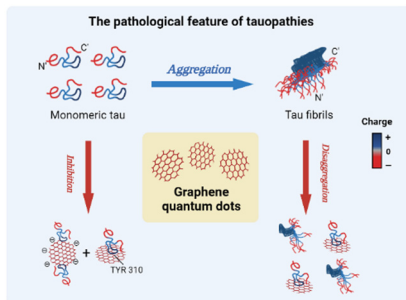
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Strontium-doped mesoporous bioglass nanoparticles for enhanced wound healing with rapid vascularization

Juan Du, Linpeng Fan,* Joselito M. Razal, Sihao Chen, Hongmei Zhang,* Hongjun Yang, Haiyan Li and Jingliang Li*

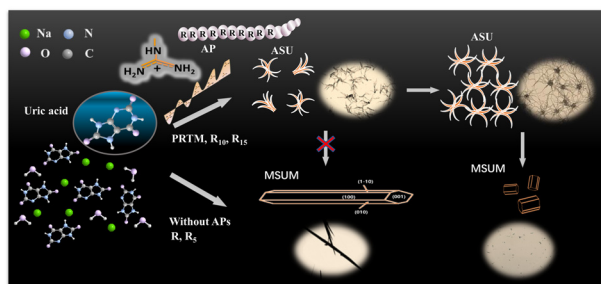
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Blocking tau transmission by biomimetic graphene nanoparticles

Runyao Zhu, Kamlesh M. Makwana, Youwen Zhang, Benjamin H. Rajewski, Juan R. Del Valle* and Yichun Wang*

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Arginine-rich peptides as crystallization inhibitors for sodium urate

Yan Liu,* QianYa Zhang, JiaMei Du and Rong Guo*

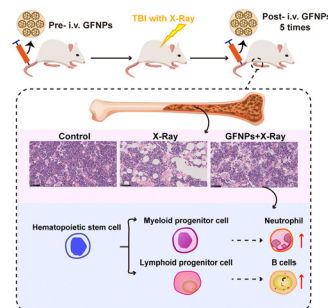


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Efficiently normalizing leukopoiesis by gadofullerene nanoparticles to ameliorate radiation-triggered myelosuppression

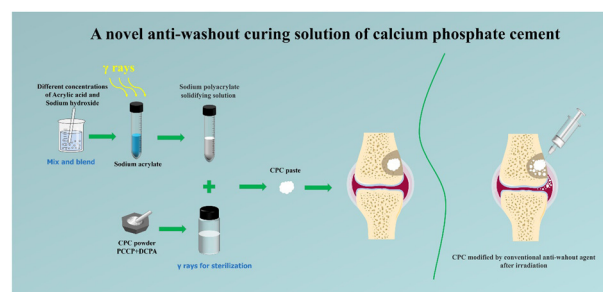
Wang Jia, Xue Li, Tian Zhang, Chunru Wang and Mingming Zhen*



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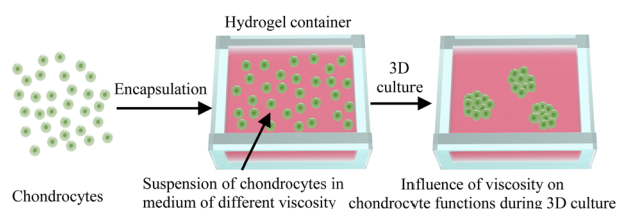
Chenyu Tang, Zhaohui Dang, Teliang Lu and Jiandong Ye*



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3D culture of bovine articular chondrocytes in viscous medium encapsulated in agarose hydrogels for investigation of viscosity influence on cell functions

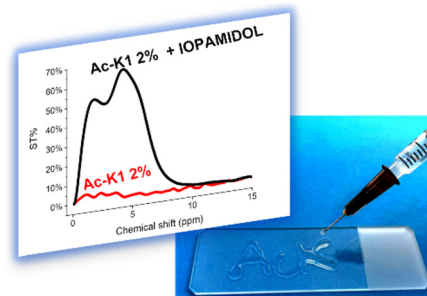
Jing Zheng, Huajian Chen, Chengyu Lu, Toru Yoshitomi, Naoki Kawazoe, Yingnan Yang and Guoping Chen*



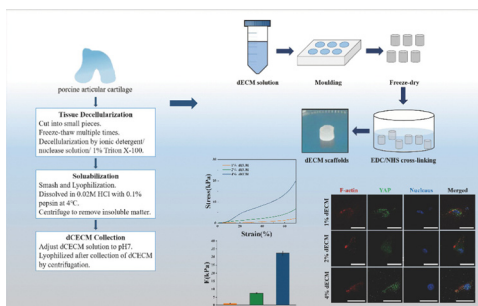
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Development of cationic peptide-based hydrogels loaded with iopamidol for CEST-MRI detection

Enza Di Gregorio, Elisabetta Rosa, Giuseppe Ferrauto, Carlo Diaferia, Enrico Gallo, Antonella Accardo* and Enzo Terreno*



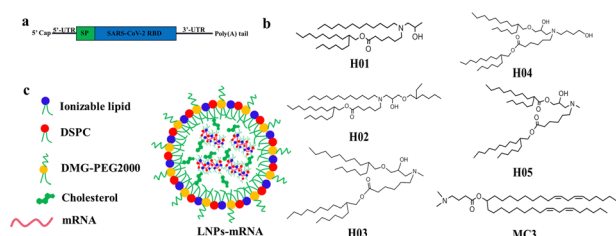
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Mesenchymal stromal cells modulate YAP by verteporfin to mimic cartilage development and construct cartilage organoids based on decellularized matrix scaffolds

Jiayi Zhu, Wanqing Lun, Qi Feng, Xiaodong Cao* and Qingtao Li*

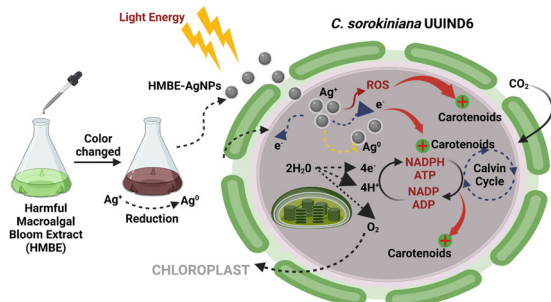
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Enhanced immunogenicity induced by mRNA vaccines with various lipid nanoparticles as carriers for SARS-CoV-2 infection

Yanhao Zhang, Ji Wang, Hanlei Xing, Chao Liu, Wenhui Zha, Shuo Dong, Yuhao Jiang and Xinsong Li*

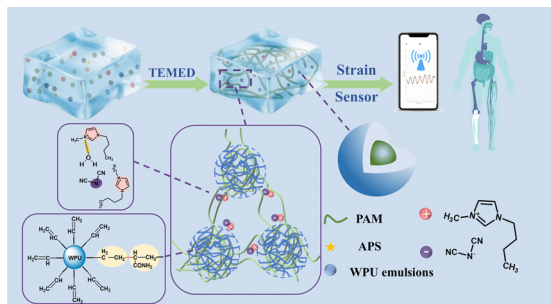
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A phyco-nanobionics biohybrid system for increased carotenoid accumulation in *C. sorokiniana* UUIND6

Bhawna Bisht, Krishna Kumar Jaiswal, Afreen Parveen, Sanjay Kumar, Monu Verma, Hyunook Kim, Mikhail S. Vlaskin, Narpinder Singh and Vinod Kumar*

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Highly stretchable, supersensitive, and self-adhesive ionohydrogels using waterborne polyurethane micelles as cross-linkers for wireless strain sensors

Lingling Lei, Haibo Wang, Qihan Jia, Yali Tian* and Shuang Wang*

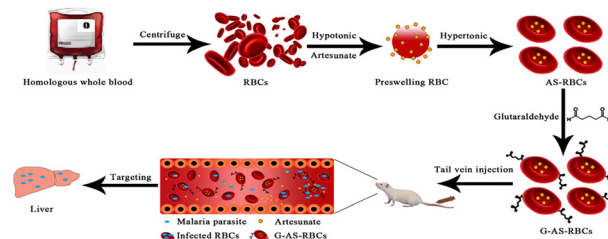


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Glutaraldehyde modified red blood cells delivering artesunate to the liver as a dual therapeutic and prophylactic antimalaria strategy

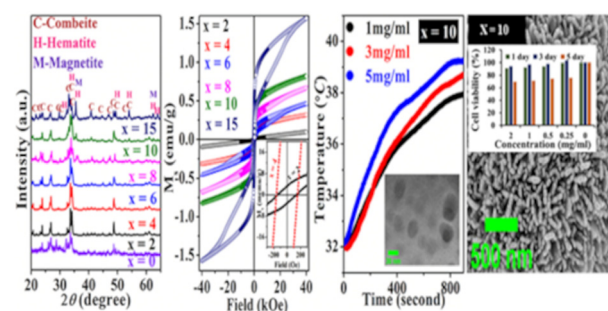
Yichen Li, Enge Xu, Ruonan Rong, Shulei Zhang, Weien Yuan, Mingfeng Qiu* and Jing Su*



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Assessment of sol–gel derived iron oxide substituted 45S5 bioglass-ceramics for biomedical applications

Nitu, Rushikesh Fopase, Lalit Mohan Pandey, Papori Seal, Jyoti Prasad Borah and Ananthakrishnan Srinivasan*



CORRECTIONS

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Correction: Additive manufacturing of barium-doped calcium silicate/poly-ε-caprolactone scaffolds to activate CaSR and AKT signalling and osteogenic differentiation of mesenchymal stem cells

Yung-Cheng Chiu, Yen-Hong Lin, Yi-Wen Chen, Ting-You Kuo and Ming-You Shie*

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Correction: Current and promising applications of Hf(IV)-based MOFs in cancer therapy

Xuelin Chen, Minmin Li, Mingzi Lin, Chengyu Lu, Abhinav Kumar,* Ying Pan,* Jianqiang Liu* and Yanqiong Peng*

