

Journal of Materials Chemistry B

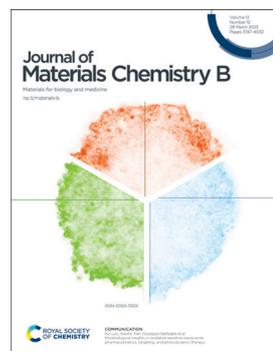
Materials for biology and medicine

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See Kui Luo, Xiaohe Tian, Giuseppe Battaglia *et al.*, pp. 3852–3863. Image reproduced by permission of Xiaohe Tian from *J. Mater. Chem. B*, 2025, 13, 3852.

EDITORIAL

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Jessica Winter: Editor-in-Chief

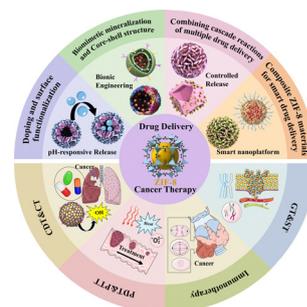


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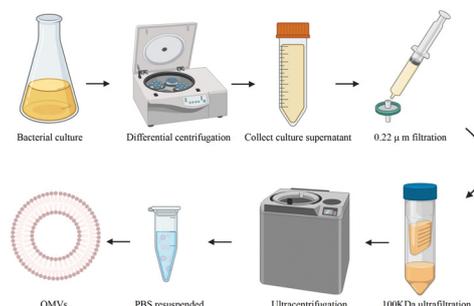
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REVIEWS

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Bacterial outer membrane vesicles in tumor prevention and treatment: advancements in research and application

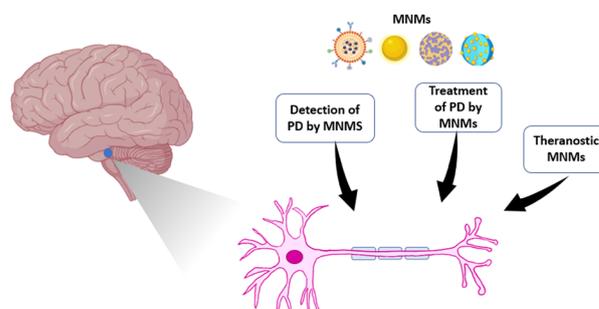
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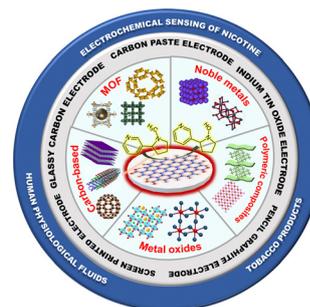
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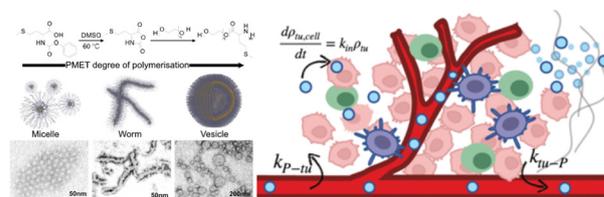


COMMUNICATION

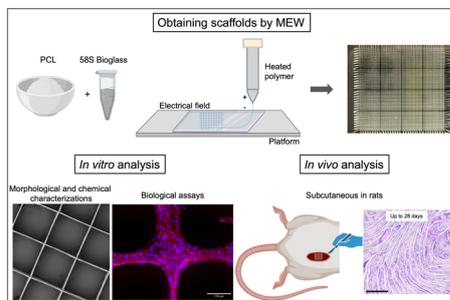
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Haitao Ding, Liping Su, Zhendong Xie, Aroa Duro Castano, Yunkun Li, Lorena Ruiz Perez, Junyang Chen, Kui Luo,* Xiaohe Tian* and Giuseppe Battaglia*



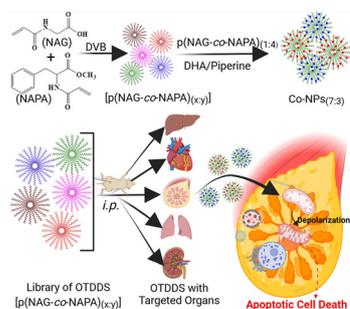
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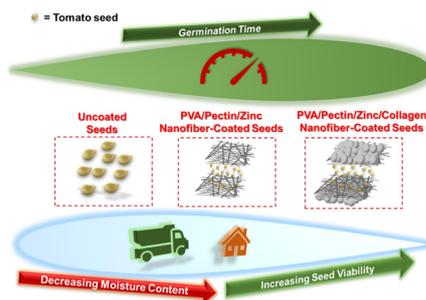
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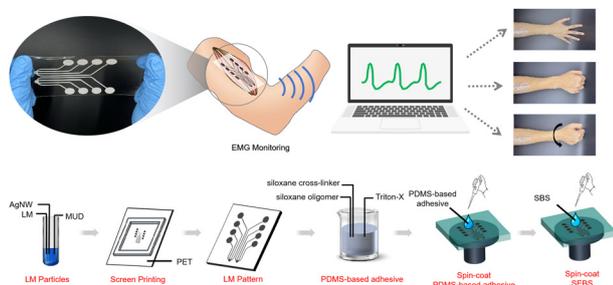
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E-seed skin: a carbohydrate–protein hybrid nanostructure for delayed germination and accelerated growth

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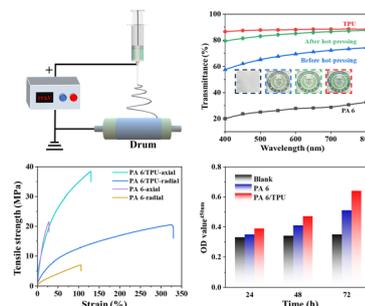
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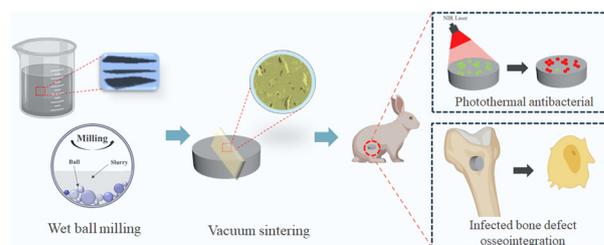
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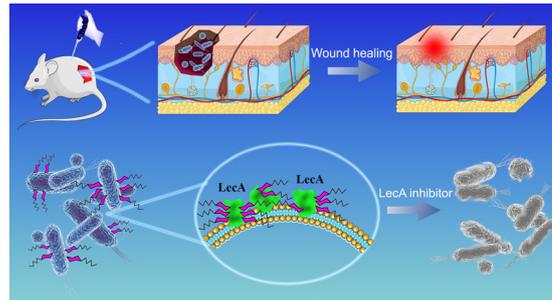
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Amphiphilic lysine-based glycopeptides exert antibacterial effects on *Pseudomonas aeruginosa*

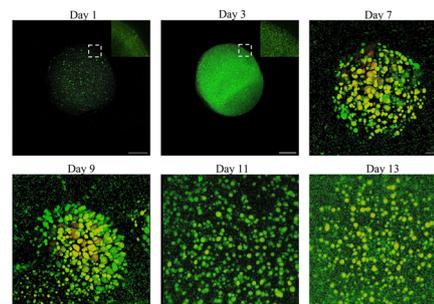
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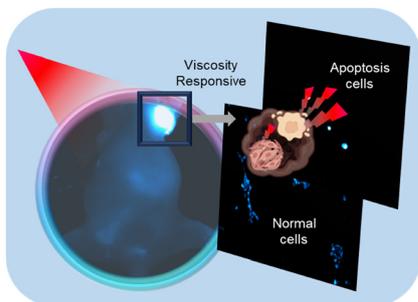
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Hierarchical biofilm models using sodium alginate beads containing bacteria embedded in a cellulose–chitosan hydrogel matrix

Shiwei Li, Yuxuan Ji, Xuxiang Xue, Yaohao Yang,
Yi Huang, Shuiqing Yang and Xianfeng Chen*



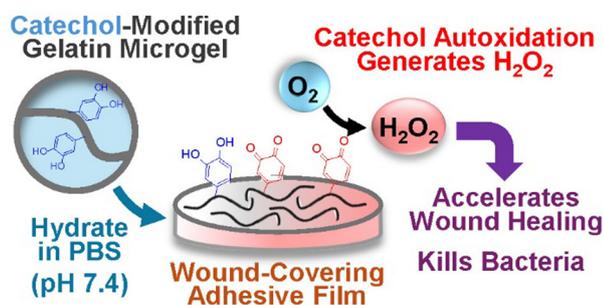
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Mechanistic study of tumor fluorescence response signals based on a near-infrared viscosity-sensitive probe

Tianyang Han, Lihao Lin, Huizhong Jiang, Li Fan* and Yuewei Zhang*

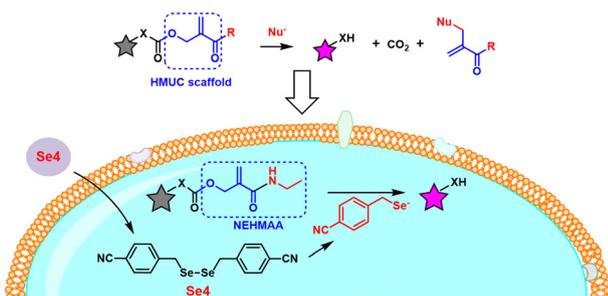
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Accelerated dermal wound healing in diabetic mice by a H₂O₂-generating catechol-functionalized gelatin microgel

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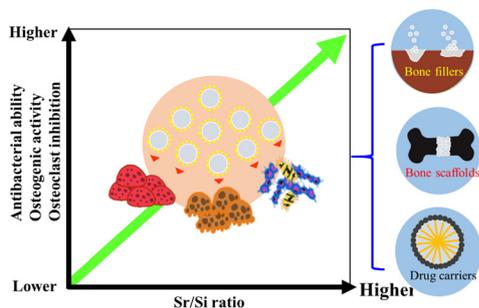
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A tunable stimuli-responsive module based on an α -hydroxymethyl- α,β -unsaturated carbonyl scaffold

Ruipeng Shen, Baoxin Zhang, Lanning Zhao, Bingbing Chang, Fang Zhang, Yating Chen and Jianguo Fang*

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Exploring processing–structure–property relationships of chemically precipitated strontium silicate particles for medical applications

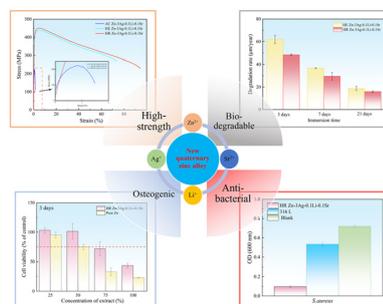
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Schwann cell-derived exosomes accelerate periodontal bone regeneration with osteogenesis, angiogenesis, and neurogenesis

Ya Cui, Xiaojing Li, Xiaoya He, Xingyu Zhou, Xudong Wang,* Kaili Lin* and Lixia Mao*

