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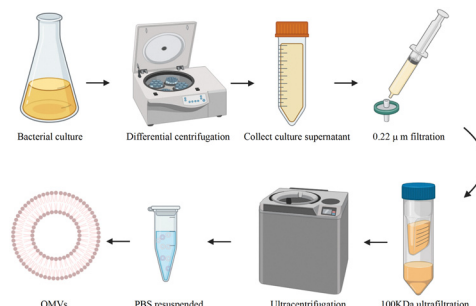
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## REVIEWS

3786

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

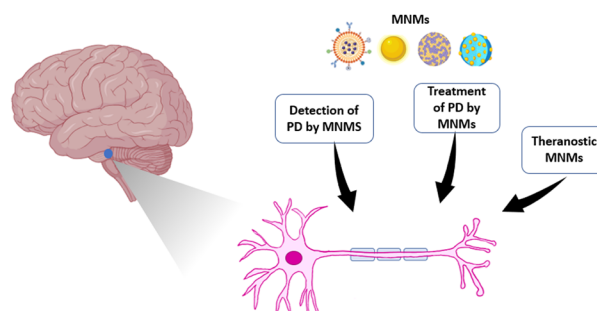
Jiayu Liu, Ting Wang, Yongsheng Zhou, Xiaohua Wang, Bin Ma,\* Chunxia Su\* and Xiangguo Duan\*



3806

**Metallic nanomaterials in Parkinson's disease: a transformative approach for early detection and targeted therapy**

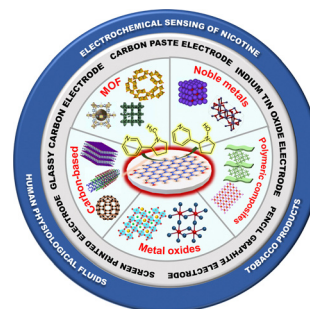
Amira Mansour, Mariam Hossam Eldin and Ibrahim M. El-Sherbiny\*



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**Comprehensive insights into electrochemical nicotine sensing technologies**

Udhaya Ganesh P. K., Prince J. J. Sagayaraj, Arthanareeswari Maruthapillai,\* Hyoung-il Kim,\* Karthikeyan Sekar\* and Sundaram Gunasekaran\*

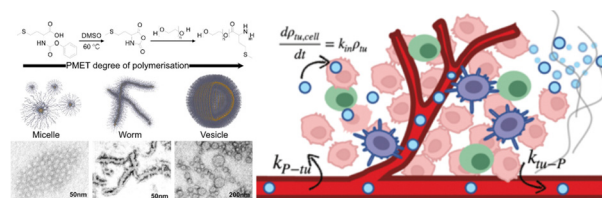


## COMMUNICATION

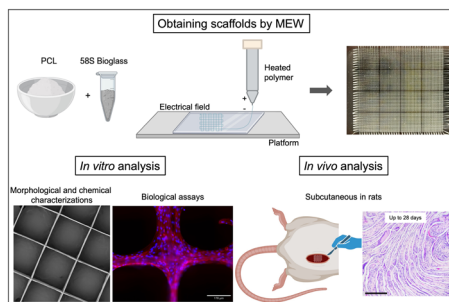
3852

**Morphological insights in oxidative sensitive nanocarrier pharmacokinetics, targeting, and photodynamic therapy**

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



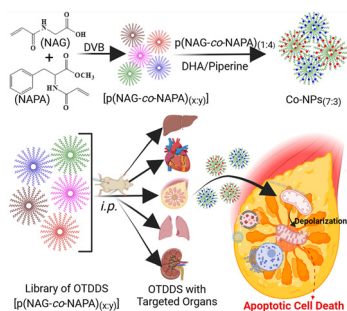
3864



### Melt electrowriting of bioglass-laden poly( $\epsilon$ -caprolactone) scaffolds for bone regeneration

Ana Beatriz Gomes de Carvalho, Lais Medeiros Cardoso, Caroline Anselmi, Renan Dal-Fabbro, Tiago Moreira Bastos Campos, Alexandre Luiz Souto Borges, Guilherme de Siqueira Ferreira Anzaloni Saavedra and Marco C. Bottino\*

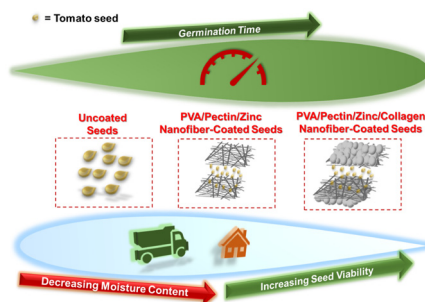
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### Organ-targeted drug delivery systems (OTDDS) of poly[(*N*-acryloyl glycine)-co-(*N*-acryloyl-L-phenylalanine methyl ester)] copolymer library and effective treatment of triple-negative breast cancer

Sukanya Patra, Jyotirmayee, Krishan Kumar, Divya Pareek, Prem Shankar Gupta, Anjali Ramsabad Mourya, Taniya Das, Kirti Wasnik, Malkhey Verma, Ruchi Chawla, Tarun Batra and Pradip Paik\*

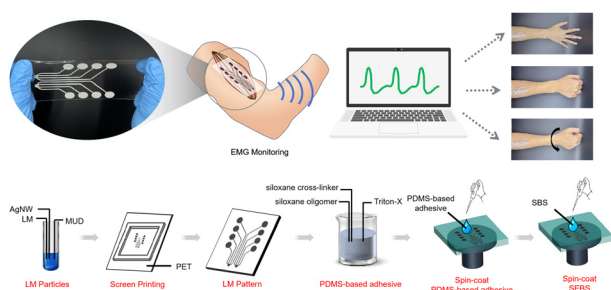
3895



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

Parul Sharma, Bandana Kumari Sahu, Kanchan Swami, Mahima Chandel, Prem Kumar, Thanikaivelan Palanisamy\* and VijayaKumar Shanmugam\*

3906



### A liquid metal-based sticky conductor for wearable and real-time electromyogram monitoring with machine learning classification

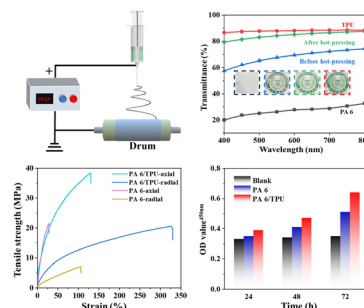
Zixin Lin, Mingmei Luo, Jiayi Liang, Zijie Li, Yanting Lin, Xiaman Chen, Baozhu Chen, Liang Peng,\* Yongchang Ouyang\* and Lei Mou\*



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### Electrospun anisotropic fiber reinforced composites for artificial heart valves

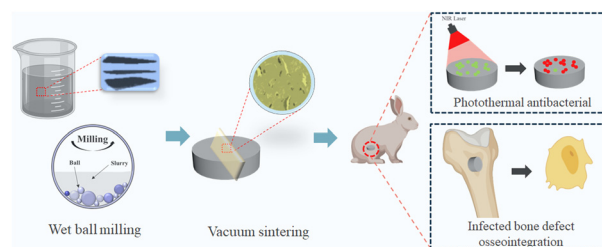
Xiuling Yang, Yifeng Chen, Qijun Wu, Haoqi Yang,\*  
Gaigai Duan, Qiliang Fu, Haonan He, Peng Zhang,\*  
Jian Ji and Shaohua Jiang\*



3930

### Enhancing the mechanical and antibacterial properties of hydroxyapatite bioceramics by *in situ* graphene doping to promote osseointegration in infected bone defects

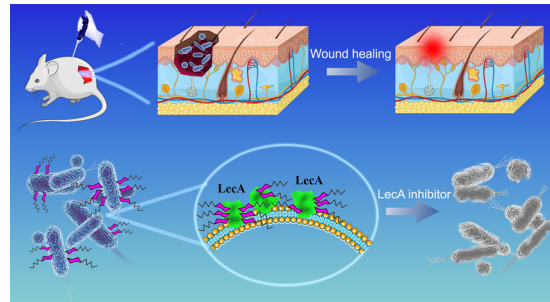
Qipeng Li, Hao Shi, Yuyi Wang, Ruitao Hu, Cong Feng,  
Xiaodong Ma, Ye Wang,\* Xiangfeng Li,\* Xiangdong Zhu  
and Xingdong Zhang



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

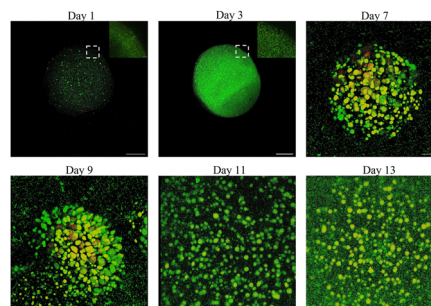
Shan-Shan Su, Chao-Na An, Gao-Juan Lin, Hai-Qing Li,  
Fangqian Yin, Xiao-Liu Li\* and Ke-Rang Wang\*



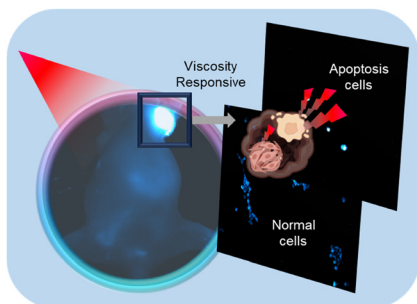
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### Hierarchical biofilm models using sodium alginate beads containing bacteria embedded in a cellulose–chitosan hydrogel matrix

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



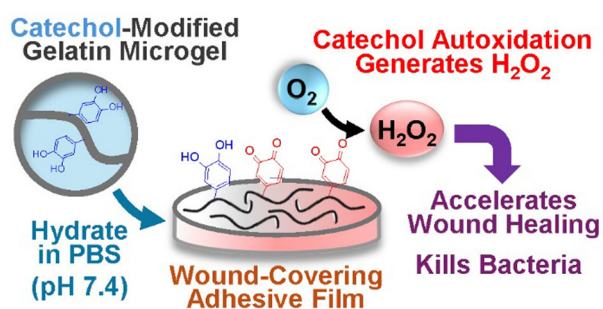
3959



### 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\*

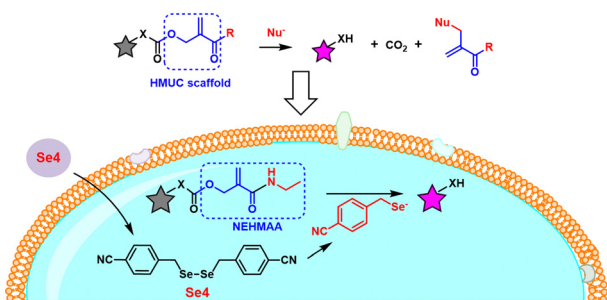
3967



### Accelerated dermal wound healing in diabetic mice by a $\text{H}_2\text{O}_2$ -generating catechol-functionalized gelatin microgel

Pegah Kord Forooshani, Fatemeh Razaviamri, Ariana Smies, Lea M. Morath, Rattapol Pinnaratip, Md Saleh Akram Bhuiyan, Rupak Rajachar, Jeremy Goldman and Bruce P. Lee\*

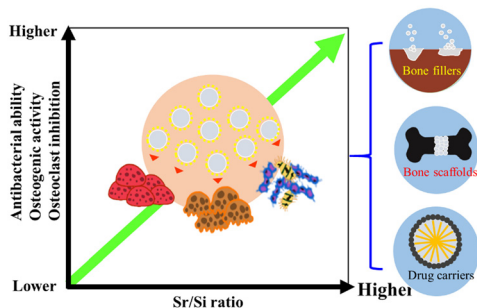
3980



### A tunable stimuli-responsive module based on an $\alpha$ -hydroxymethyl- $\alpha,\beta$ -unsaturated carbonyl scaffold

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

3990



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

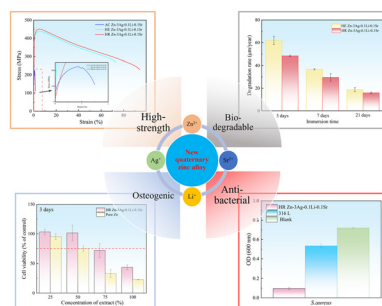
Yun-Ru Huang and Shinn-Jyh Ding\*



4006

## Unraveling the synergistic effects of Ag, Li and Sr on Zn alloys in enhancing orthopedic repair potential

Huafang Li,\* Luqing Ma and Yingying Li



4020

## 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\*

