

RSC Applied Polymers

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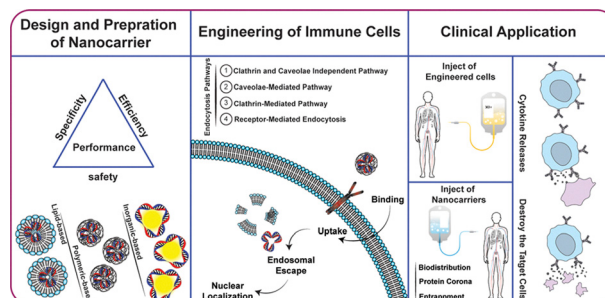
Fundamental questions
Elemental answers

REVIEWS

3356

Nanocarrier-based gene delivery for immune cell engineering

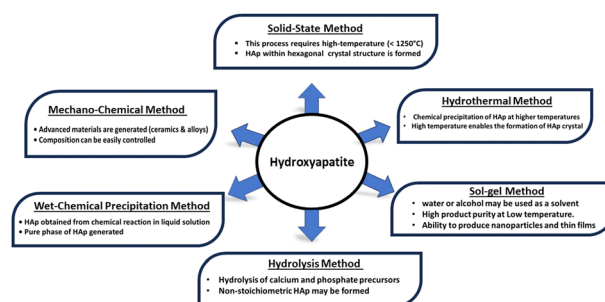
Alireza Gharatape, Hamid Sadeghi-Abandansari, Alexander Seifalian, Reza Faridi-Majidi* and Mohsen Basiri*



3376

Synthesis of pure and doped nano-calcium phosphates using different conventional methods for biomedical applications: a review

Md. Kawsar, Md. Sahadat Hossain, Md. Kawcher Alam, Newaz Mohammed Bahadur, Md. Aftab Ali Shaikh* and Samina Ahmed*

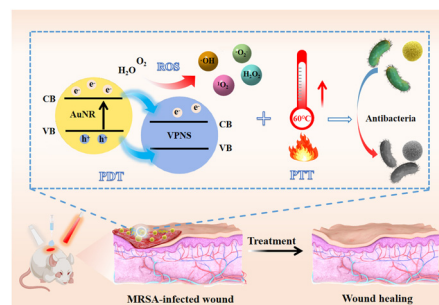


COMMUNICATION

3392

Regulation of band gap and localized surface plasmon resonance by loading Au nanorods on violet phosphene nanosheets for photodynamic/ photothermal synergistic anti-infective therapy

Qiudi Shen, Zhihao Li, Haoran Bai, Mengyue Gu, Jing Kang,* Ran Jia, Jinying Zhang* and Alideertu Dong*

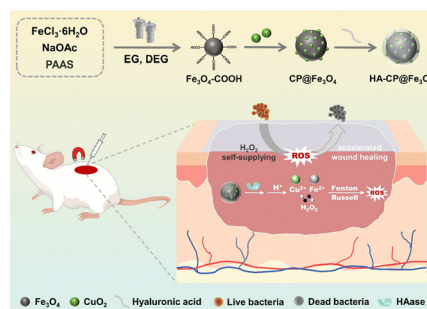


PAPERS

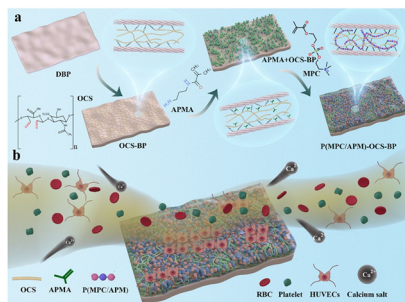
3404

Enzyme-triggered on-demand release of a H₂O₂-self-supplying CuO₂@Fe₃O₄ nanoagent for enhanced chemodynamic antimicrobial therapy and wound healing

Sijie Zhang, Sameer Hussain, Yuhai Tang, Kaili Wang, Xingyan Wang, Long Zhang, Yuheng Liao, Chen Wang, Yi Hao* and Ruixia Gao*



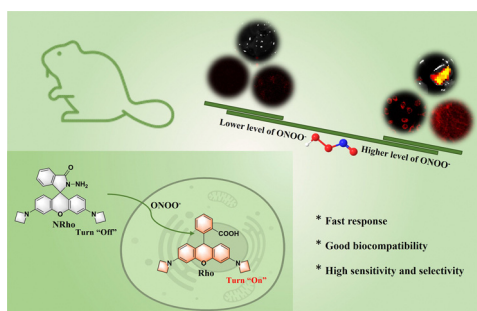
3417



Double crosslinking decellularized bovine pericardium of dialdehyde chondroitin sulfate and zwitterionic copolymer for bioprosthetic heart valves with enhanced antithrombogenic, anti-inflammatory and anti-calcification properties

Shubin Shi, Mengyue Hu, Xu Peng, Can Cheng, Shaoxiong Feng, Xinyun Pu and Xixun Yu*

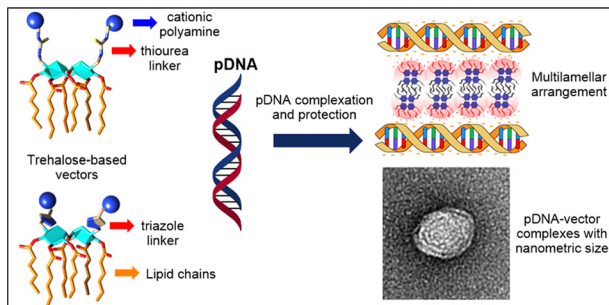
3436



Shedding light on ONOO^- detection: the emergence of a fast-response fluorescent probe for biological systems

Guoliang Wu, Zihong Li, Ping Huang and Weiying Lin*

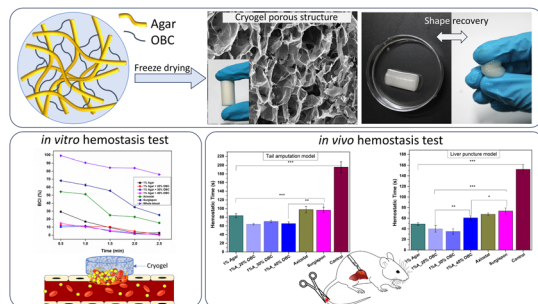
3445



Trehalose-polyamine/DNA nanocomplexes: impact of vector architecture on cell and organ transfection selectivity

Fernando Ortega-Caballero, María L. Santana-Armas, Conchita Tros de Ilarduya, Christophe Di Giorgio, Raphaël Tripier, Nathalie Le Bris, Cedric Ollier, Carmen Ortiz Mellet, José M. García Fernández, José L. Jiménez Blanco* and Alejandro Méndez-Ardoy*

3453



Preparation and assessment of agar/TEMPO-oxidized bacterial cellulose cryogels for hemostatic applications

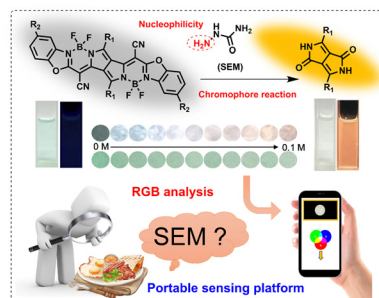
Kaushal R. Shakya, Kuldeep Nigam, Arpit Sharma, Kousar Jahan, Amit Kumar Tyagi and Vivek Verma*



3469

A portable smartphone platform utilizing dual-sensing signals for visual determination of semicarbazide in food samples

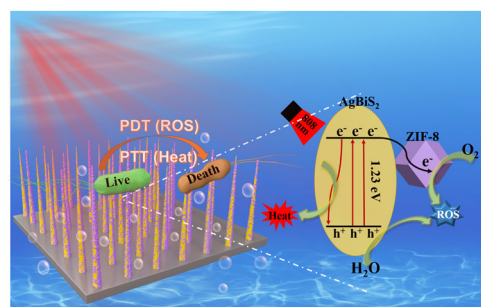
Lingyun Wang,* Bihong Lai, Xueguang Ran, Hao Tang and Derong Cao



3481

An NIR light-driven AgBiS₂@ZIF-8 hybrid photocatalyst for rapid bacteria-killing

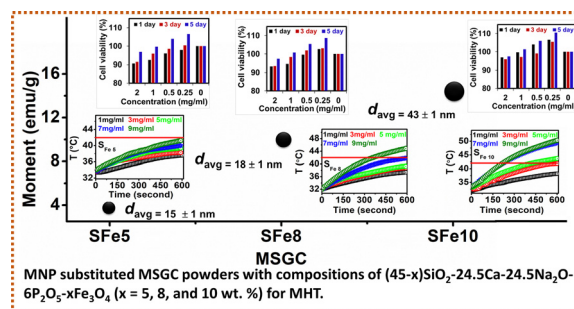
Ting Liu, Kangkang Huang, Yuxia Yang, Shengwu Wen, Jingxian Zhang, Suiping Deng, Shaozao Tan* and Langhuan Huang*



3494

Enhancement in the induction heating efficacy of sol-gel derived SiO₂-CaO-Na₂O-P₂O₅ bioglass-ceramics by incorporating magnetite nanoparticles

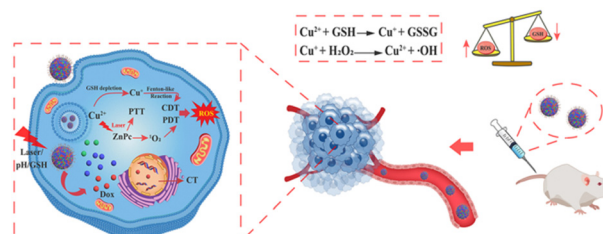
Nitu, Rushikesh Fopase, Lalit Mohan Pandey, Krishna Priya Hazarika, Jyoti Prasad Borah, Rajendra K. Singh and Ananthakrishnan Srinivasan*



3509

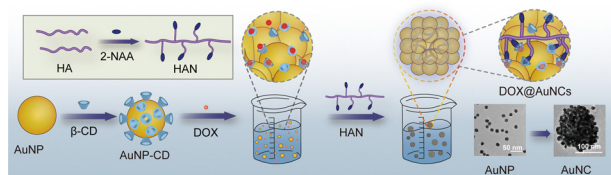
A copper-loaded self-assembled nanoparticle for disturbing the tumor redox balance and triple anti-tumor therapy

Jieli Yin, Chen Liu, Jiaqi Guo, Mao Li, Baoyin Chen, Xuewen Zhang, Bing Wang, Xuan Zhu* and Dengyue Chen*



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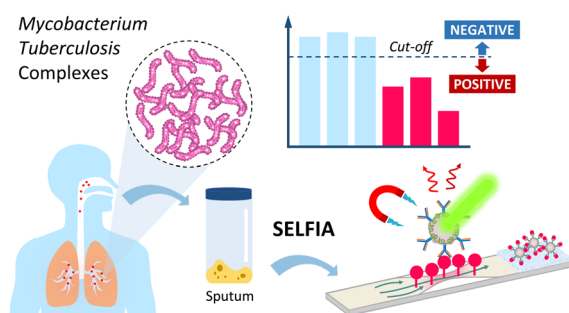
3521



Supramolecular self-assembled gold nanoparticle clusters for synergistic photothermal-chemo tumor therapy

Ping Wei, Ying Li, Yaling Wu, Yirang Zhang, Yanan Xiang and Jingxiao Chen*

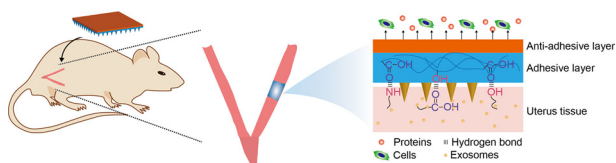
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Fluorescent nanodiamond immunosensors for clinical diagnostics of tuberculosis

Trong-Nghia Le, Mhikee Janella N. Descanzo, Wesley W.-W. Hsiao, Po-Chi Soo, Wen-Ping Peng and Huan-Cheng Chang*

3543



Janus adhesive microneedle patch loaded with exosomes for intrauterine adhesion treatment

Huihui Wang,* Weijia Chen, Yuanhua Liu, Yuanchao Zhu, Yinan Huang and Zongxuan Lu*

CORRECTION

3556

Correction: *In situ* formation of J-aggregate in the tumor microenvironment using acidity responsive polypeptide nanoparticle encapsulating galactose-conjugated BODIPY dye for NIR-II phototheranostics

Huiping Dang, Dalong Yin, Youliang Tian, Quan Cheng, Changchang Teng, Yixuan Xu and Lifeng Yan*

