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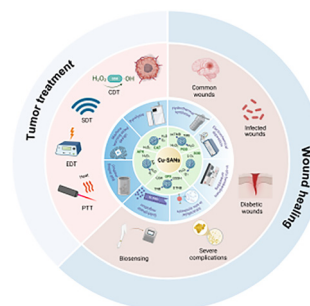


REVIEWS

455

Application of copper based single-atom nanozymes in wound healing and tumor treatment

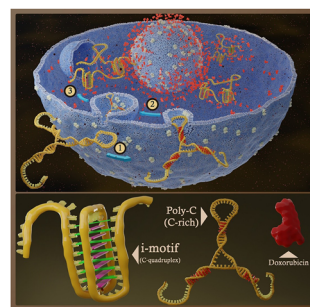
Huina He, Bin Cheng, Qianbing Wan* and Xibo Pei*



485

i-Motifs in cancer diagnosis and treatment: fabrication and functionalization

Javad Zamanian, Ali Samie, Hoda Alavian, Mona Alibolandi, Leila Etemad, Khalil Abnous* and Seyed Mohammad Taghdisi*



517

Crystallization and inhibition of monosodium urate monohydrate: advances in mechanistic understanding and perspectives for gout management

Xiangyu Han, Xiaoshuang He, Peiya Shen, Jianjun Zhang, Mi Tang, Yuan Gao,* Shuai Qian* and Yuanfeng Wei*

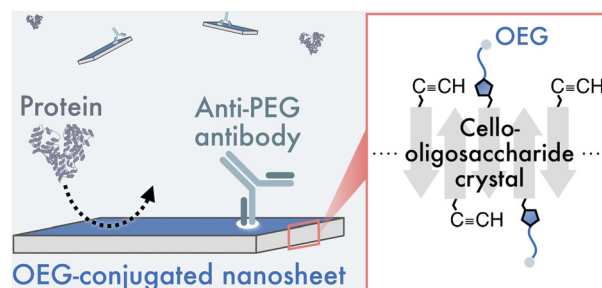


PAPERS

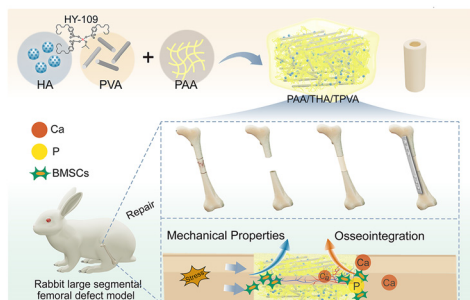
528

Propargylated cello-oligosaccharide nanosheets: a water-dispersible, antibiofouling, and post-functionalizable solid support for immunoassays

Kai Sugiura, Yuuki Hata, Koichiro Ishibashi, Toshiki Sawada, Hiroshi Tanaka, Go Watanabe and Takeshi Serizawa*



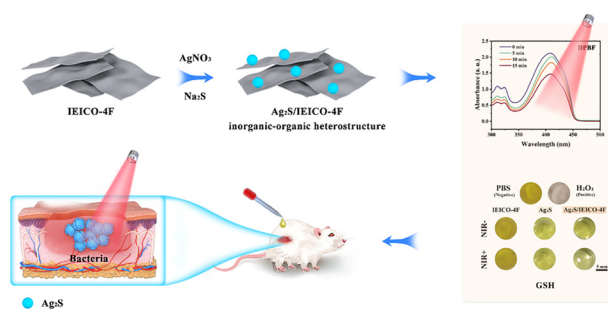
539



A cortical bone-mimetic composite with sustained biomechanical stability and longitudinal osteo-guiding capacity for functional reconstruction of large segmental bone defects

Yanan Wu, Haitao Peng, Dawei Yan, Haohao Ren, Zhou Xiang,* Fei Xing* and Yonggang Yan*

554

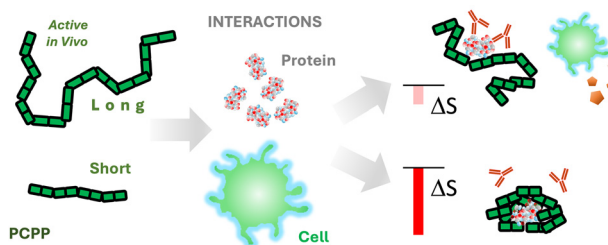


Organic–inorganic heterostructure empowers infected wound healing

Miaomiao He, Ce Zhu, Chuang Liu, Xiaoyang Zheng, Yi Deng, Guangfu Yin, Limin Liu, Weizhong Yang* and Zhiwei Huang*

563

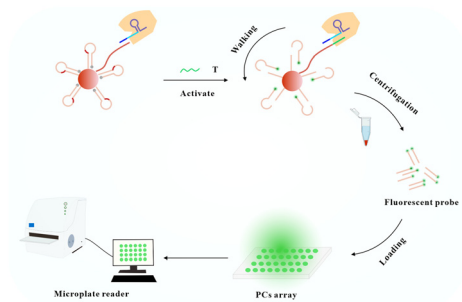
POLYELECTROLYTE & IMMUNOSTIMULATION



Macromolecular dimensions of a synthetic polyelectrolyte as a factor in its interactions with protein and cells: desirability for longer chains

Raman Hlushko, Alexander Marin, Ananda Chowdhury and Alexander K. Andrianov*

572



Localized CRISPR/Cas13a powered DNA walker for sensitive and high-throughput detection of norovirus

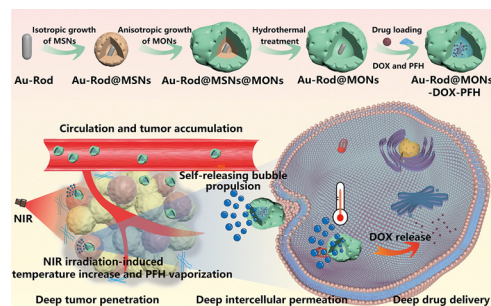
Xiuyuan Yao, Linyao Wang, Liqian Su, Wenxin Rao, Zewei Luo* and Yongxin Li*



580

Light-driven jet-propelled nanomotors for enhanced drug penetration and therapy

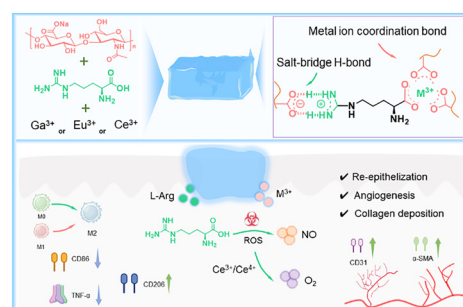
Jun Tao, Hui Zhou,* Haozhen Li, Jing Rui, Qinghui Qi, Hengyu Jin, Shuangshaung Wan* and Lianhui Wang*



587

Effective diabetic wound prohealing by supramolecular ROS-responsive hyaluronic acid hydrogels *via in situ* production of nitric oxide and oxygen

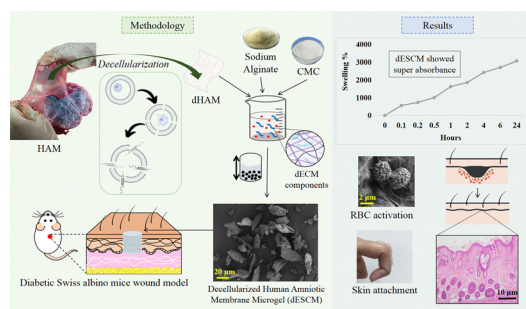
Yanzheng Chen, Qing Wang, Fangrui Ning, Yingying Li, Yushi He,* Mingsheng Chen* and Chang-Ming Dong*



600

A super absorbent decellularized human amniotic membrane microgel for chronic wound healing and accelerated skin regeneration

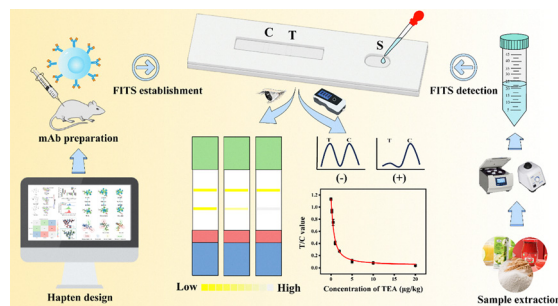
Fabliha Noshin, Dipta Roy, Mobin Ibne Mokbul and M. Tarik Arifat*



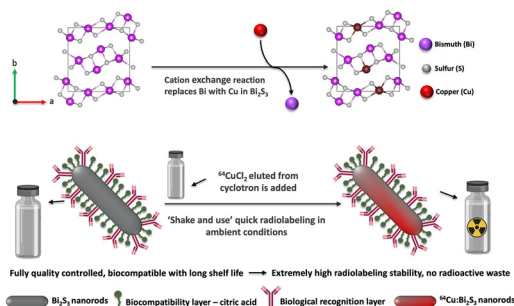
616

High-sensitivity fluorescent immunochromatographic test strips for point-of-care testing of tenuazonic acid: hapten design, monoclonal antibody preparation, and assay development

Xiaofang Li, Lingling Guo, Chuanlai Xu, Aihua Qu* and Hua Kuang



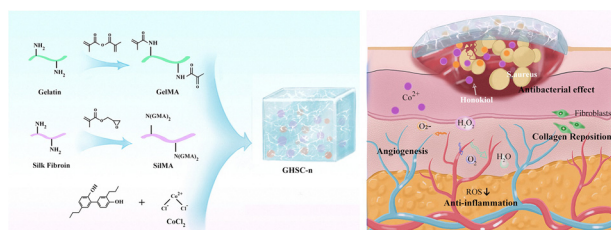
626



Cation exchange reaction in Bi_2S_3 nanorods enables the one-step fabrication of copper-64 nanoparticulate molecular PET imaging agents with ultrahigh radiolabel stability

Valentina Milanova, William Tieu, Johan Asp, Shane Akkermans, Marianne Keller, Marnie Winter, William Skinner and Benjamin Thierry*

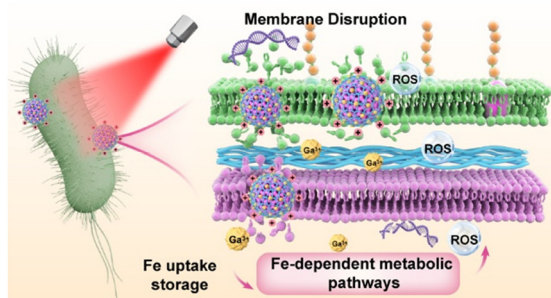
638



A multifunctional composite hydrogel with natural polymer silk fibroin and gelatin for promoting chronic wound healing

Shiqi Li, Lingzhen Lin, Jiaxin Zhao, Yuanwu Zhong, Kan Jing and Tao Nie*

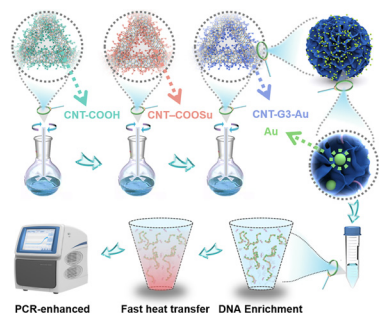
652



A gallium-integrated nanoplatfor for synergistic therapy of *Pseudomonas aeruginosa* wound infections

Jing Qiao,* Lingling Cao, Ben Fan, Huan Gao and Ying-Shi Guan*

665



Ultra-high multiplex PCR uniformity is enhanced by carbon nanotube-dendrimer-encapsulated gold nanoparticles

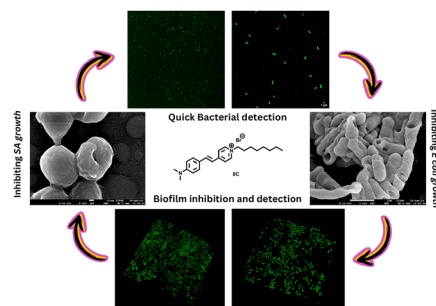
Dongqing Zhao, Yao Lu, Meng Lu, Chen Tang, Huanhuan Zong, Yingbo Chen, Bingxue Cai, Yuxun Zhou, Kai Li and Junhua Xiao*



676

A dual-function styryl pyridinium dye platform for targeting bacteria and biofilms

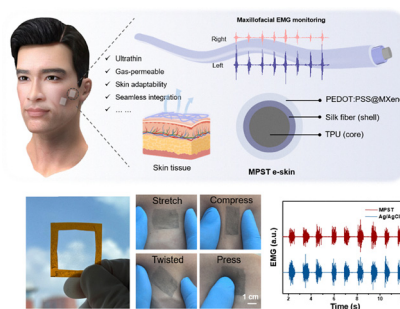
Gayatri Bhattad, Yogesh Dubey, Abhijit Mishra and Sriram Kanvah*



690

An ultrathin gas-permeable imperceptible electronic skin enables maxillofacial electrophysiological monitoring

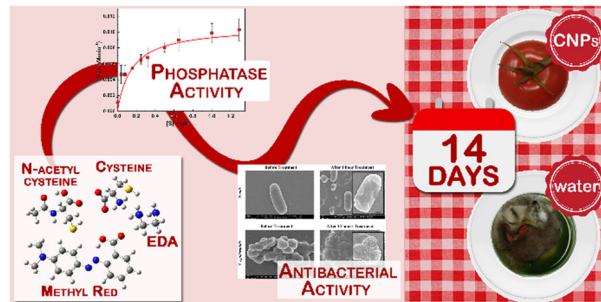
Yaqi Zhang, Minfeng Wu, Yile Wang, Xiang Chen, Meiqi Wang, Feng Chen,* Wentao Cao* and Shengcai Qi*



702

Combating food spoilage by tackling drug resistance: sulfur-doped carbon nanozymes as effective tomato coatings

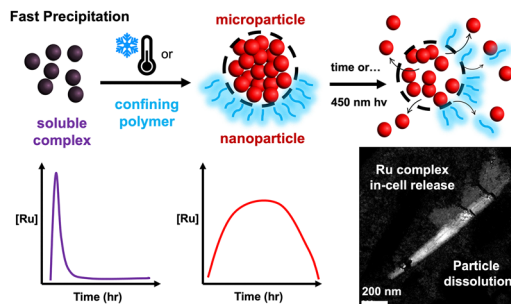
Evans Okoffuo Asare, Enrico Benassi,* Tri Pham,* Enrico Marsili and Haiyan Fan*



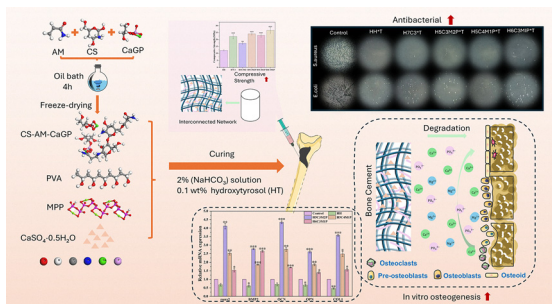
719

Supramolecular self-assemblies of Ru(II) phototherapeutics: biological activity of micro- and nano-particles acting as reservoirs

Jérôme Laisney, Sarah M. Kriger, Dmytro Havrylyuk, Jason M. Unrine, David K. Heidary and Edith C. Glazer*



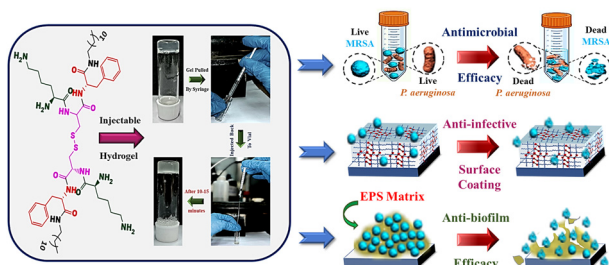
735



Synergistically assembled inorganic–organic multifunctional injectable bone cement with enhanced mechanical properties and osteogenesis

Li Zhou, Xinyue Yang, Chao Sun, Min Song, Sijia Ai, Yonggang Yan* and Qiyi Zhang*

749



A cystine-containing cationic lipopeptide-based injectable hydrogel with antimicrobial activities against multi-drug resistant strains and anti-biofilm efficacy against methicillin-resistant *Staphylococcus aureus*

Supratim Bose, Neha Poddar, Swrajit Nath Sharma, Swapnendu Deb, Tanushree Mondal and Arindam Banerjee*

761

Correction: Tumor-targeting polymer nanohybrids with amplified ROS generation for combined photodynamic and chemodynamic therapy

Xiaodan Chen, Danling Cheng, Ningyue Yu, Jian Feng, Jingchao Li* and Lin Lin*

762

Correction: Minimized ΔE_{ST} : drive thermally activated delayed fluorescence materials in photodynamic therapy

Yaning Li, Mengyan Tian, Ruofei Wang, Xingyu Lu, Kaiyan Ren, Yi Liu* and Pai Liu*

