

Journal of Materials Chemistry B

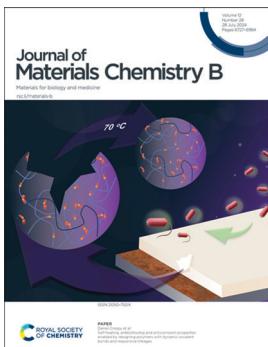
Materials for biology and medicine

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Cover

See Daniel Crespy et al.,

pp. 6827–6839.

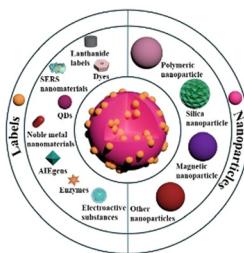
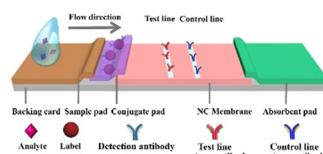
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2024, 12, 6827.

REVIEWS

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A nanoparticle-assisted signal-enhancement technique for lateral flow immunoassays

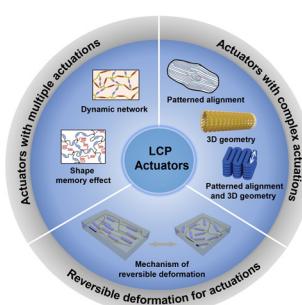
Fang Gao, Shaonian Ye, Lin Huang* and Zhengying Gu*



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Liquid crystal polymer actuators with complex and multiple actuations

Xiaoyu Zhang, Jia Wei,* Lang Qin* and Yanlei Yu



Environmental Science: Atmospheres

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Fundamental questions
Elemental answers



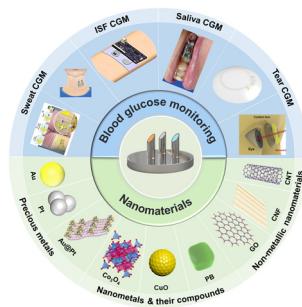
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REVIEWS

6774

Advanced nanomaterials for electrochemical sensors: application in wearable tear glucose sensing technology

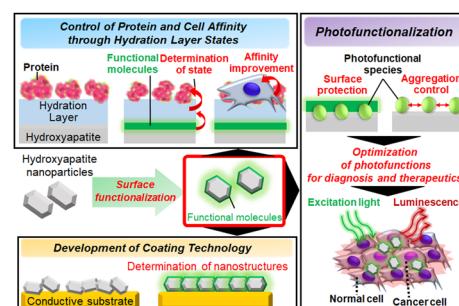
Yue Zhou, Lei Li, Jiale Tong, Xiaoli Chen, Wei Deng, Zhiyu Chen, Xuanyu Xiao, Yong Yin, Qingsong Zhou, Yongli Gao,* Xuefeng Hu* and Yunbing Wang



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Surface functionalization of hydroxyapatite nanoparticles for biomedical applications

Takuya Kataoka, Zizhen Liu, Iori Yamada, Tania Guadalupe Peñaflor Galindo and Motohiro Tagaya*

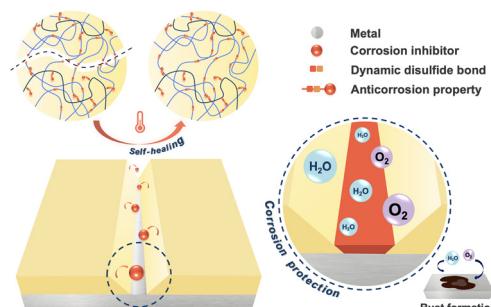


PAPERS

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Self-healing, antibiofouling and anticorrosion properties enabled by designing polymers with dynamic covalent bonds and responsive linkages

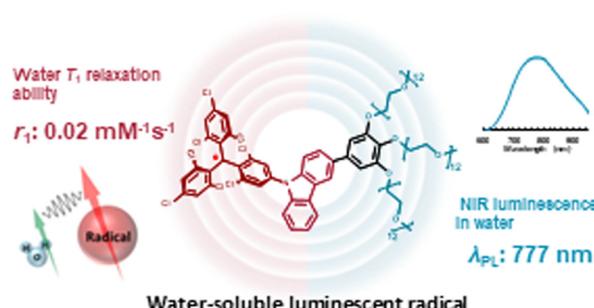
Jenpob Sokjorhor, Tiwa Yimyai, Raweewan Thiramanas and Daniel Crespy*



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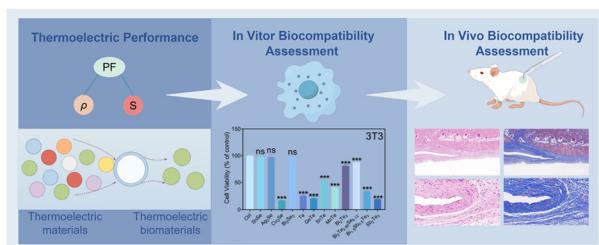
A water-soluble luminescent tris(2,4,6-trichlorophenyl)methyl radical-carbazole dyad

Kosuke Anraku, Kenshiro Matsuda, Satoshi Miyata, Hikaru Ishii, Takuya Hosokai,* Satoshi Okada, Kazuhiro Nakamura, Kohei Nakao and Ken Albrecht*



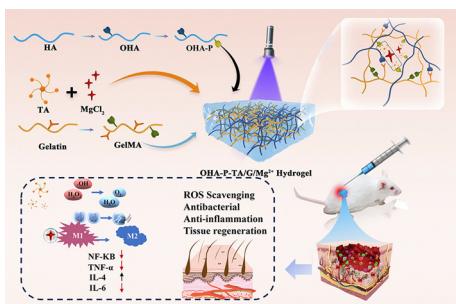
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***In vitro and in vivo biocompatibility assessment of chalcogenide thermoelectrics as implants***

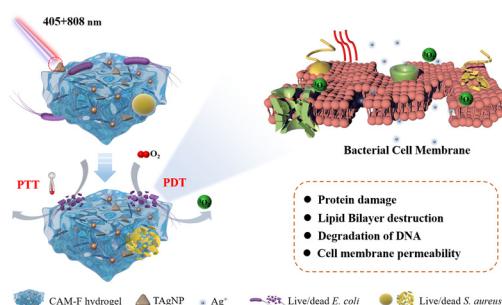
Mingyuan Gao, Yiping Luo, Wen Li,* Longpo Zheng* and Yanzhong Pei*

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**Microenvironment-responsive release of Mg²⁺ from tannic acid decorated and multilevel crosslinked hydrogels accelerates infected wound healing**

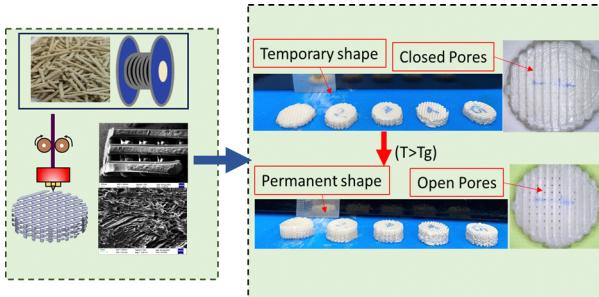
Na Li, Yi Cao, Jingyi Liu, Wen Zou, Manyu Chen, Hongfu Cao, Siyan Deng, Jie Liang, Tun Yuan, Qiguang Wang,* Yujiang Fan* and Xingdong Zhang

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Jia Hui Liu, Xiao Lan Chen, Hui Min Yang, Yu Rong Yin, Alfin Kurniawan and Chun Hui Zhou*

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**Design and development of 3D printed shape memory triphasic polymer-ceramic bioactive scaffolds for bone tissue engineering**

Mohammad Aftab Alam Ansari, Pooja Makwana, Bindiya Dhimmar, Rajesh Vasita, Prashant Kumar Jain* and Himansu Sekhar Nanda*

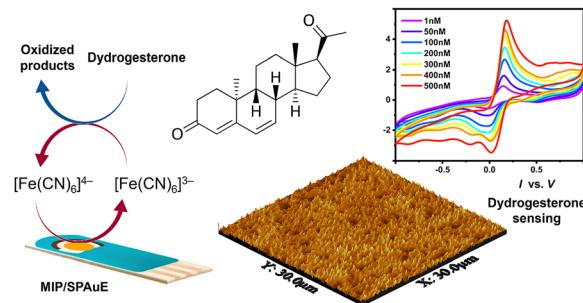


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Portable smartphone-enabled hydrogesterone sensors based on biomimetic polymers for personalized gynecological care

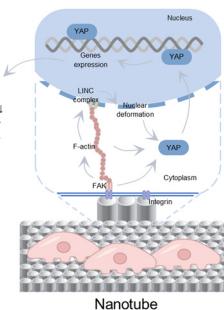
Sobia Ashraf, Tajamal Hussain, Sadia Zafar Bajwa, Adnan Mujahid and Adeel Afzal*



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Nanotube topography rejuvenates the senescence of mesenchymal stem cells by activating YAP signalling

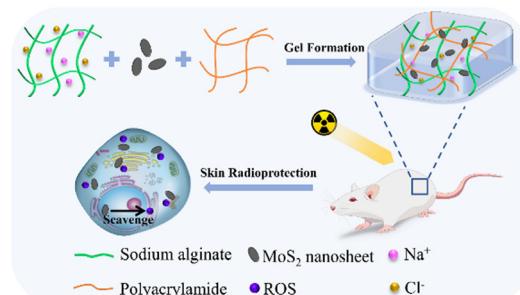
Yanping Sun, Yejia Yu, Shixing Ma, Chengcheng Liao, Jian Yang, Yun Lyu, Xuanhao Zhang, Jingyi Zhang, Weidong Tian* and Li Liao*



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Composite hydrogels with antioxidant and robust adhesive properties for the prevention of radiation-induced dermatitis

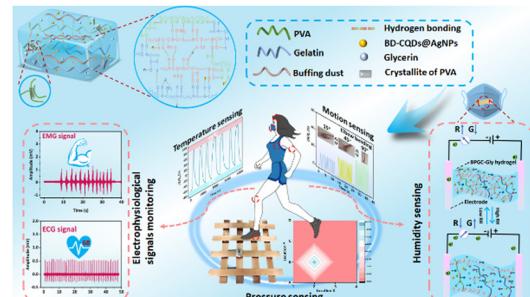
Xue Luo, Huan Liu, Jing Wen, Jiaxin Hu, Yongzhi Li, Guangjun Li, Guyu Dai, Yubao Li* and Jidong Li*



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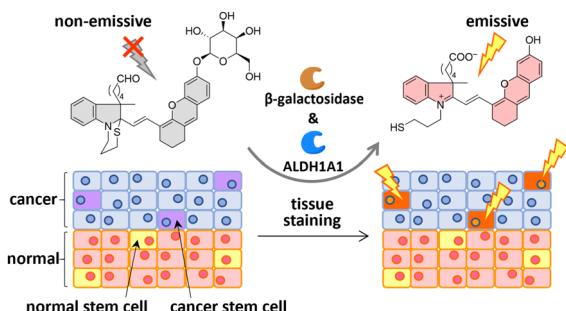
Collagen fiber-reinforced, tough and adaptive conductive organohydrogel e-skin for multimodal sensing applications

Zhen He, Jialu Shen, Maohua Lan and Haibin Gu*



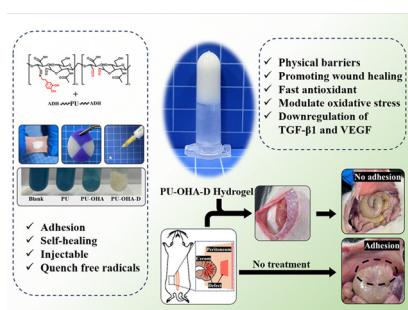
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**Dual-responsive near-infrared turn-on fluorescent probe for cancer stem cell-specific visualization**

Koji Miki,* Masahiro Oe, Kanae Suzuki, Koki Miki, Huiying Mu, Yoshimi Kato, Mayumi Iwatake, Hiroshi Yukawa, Yoshinobu Baba, Yoshifumi Ueda, Yasuo Mori and Kouichi Ohe*

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**A bioinspired injectable antioxidant hydrogel for prevention of postoperative adhesion**

Lei Yuan, Hongxiu Wei, ZhongJing Pan, Xiaobo Deng, Lin Yang, Yanchao Wang, Dan Lu, Zhen Li, Feng Luo,* Jiehua Li and Hong Tan

CORRECTION

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Correction: Portable smartphone-enabled dydrogesterone sensors based on biomimetic polymers for personalized gynecological care

Sobia Ashraf, Tajamal Hussain, Sadia Zafar Bajwa, Adnan Mujahid and Adeel Afzal*

