Journal of Materials Chemistry B

Materials for biology and medicine

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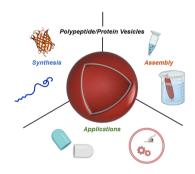
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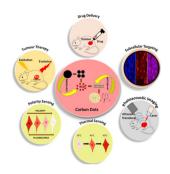
Jooyong Shin and Yeongseon Jang*



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Red emissive carbon dots: a promising next-generation material with intracellular applicability

Khushboo Warjurkar, Satyajit Panda and Vinay Sharma*



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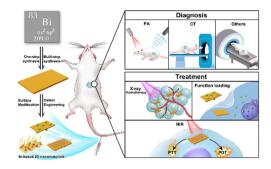


REVIEWS

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Bismuth-based two-dimensional nanomaterials for cancer diagnosis and treatment

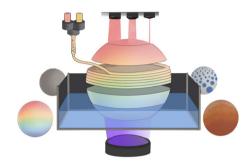
Chengyuan Hong, Tianxiang Chen,* Manxiang Wu, Jie Lin, Changyong Gao, Xuehua Ma, Zhusheng Liu, Xiaogang Yang* and Aiguo Wu*



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Han Wang, Yu Xia, Zixuan Zhang and Zhuoying Xie*



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Intelligent sensing based on active micro/nanomotors

Lingfeng Jiang, Xiaoxia Liu, Dongfang Zhao, Jinhong Guo,* Xing Ma* and Yong Wang*

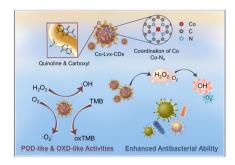


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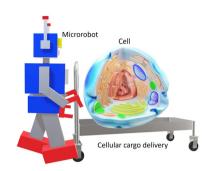
Dual enzyme-mimicking carbon dots for enhanced antibacterial activity

Guiming Niu, Fucheng Gao, Can Li, Yandong Wang, Hui Li* and Yanyan Jiang*



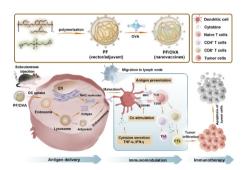
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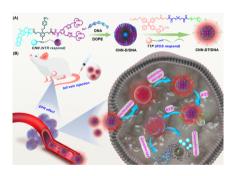
Zameer Hussain Shah, Max Sokolich, Sudipta Mallick, David Rivas and Sambeeta Das*



A novel fluoropolymer as a protein delivery vector with robust adjuvant effect for cancer immunotherapy

Yu-Rong Zhan, Xi He, Zhi-Ying Huang, Ping Chen, Miao-Miao Tian, Guo-Hong Li, Xiao-Qi Yu, Xiang-Rong Song* and Ji Zhang*

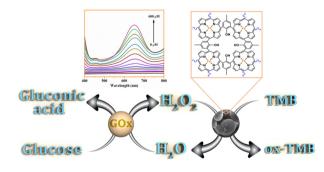
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[12]aneN₃-modified camptothecin and PEGylated AIEgens co-assembly into core-shell nanoparticles with ROS/NTR dual-response for enhanced cancer therapy

Xue-Yi Sun, Ya-Xuan Liang, Yi-Nan Gao, Xi Zhang, Rui Liu, Quan Tang,* Zhong-Lin Lu* and Yang Liu*

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Fe(III)-incorporated porphyrin-based conjugated organic polymer as a peroxidase mimic for the sensitive determination of glucose and H₂O₂

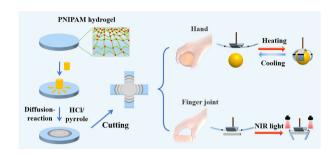
Samanka Narayan Bhaduri, Debojit Ghosh, Sauvik Chatterjee, Rima Biswas, Asim Bhaumik* and Papu Biswas*

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A hydrogel gripper enabling fine movement based on spatiotemporal mineralization

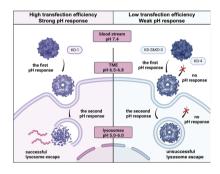
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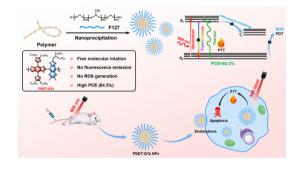
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Liwen Hu, Linrui Shi, Tianze Hu, Peiling Chen, Ting Guo,* Chunxiao Wang, Renqiang Yang and Lei Ying*



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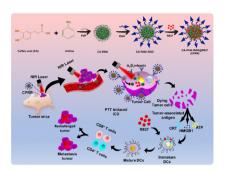
Design of aggregation-induced emission-active fluorogen-based nanoparticles for imaging and scavenging Alzheimer's β -amyloid by photo-oxygenation

Luqi Liu, Wei Liu, Yan Sun and Xiaoyan Dong*



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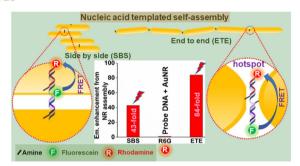
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The dynamic therapeutic effect of a targeted photothermal nanovaccine incorporating toll-like receptor 7 agonist enhanced cancer immunotherapy

Laxmanan Karthikeyan, Babu Rithisa and Raju Vivek*

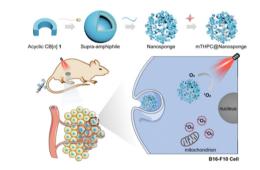
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Fluorogenic response from DNA templated micrometer range self-assembled gold nanorod

Sancharika Dalal and Kalyan K. Sadhu*

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Acyclic cucurbit[n]uril-based nanosponges significantly enhance the photodynamic therapeutic efficacy of temoporfin *in vitro* and *in vivo*

Zizhen Zhao, Jingyu Yang, Yamin Liu, Shuyi Wang, Wei Zhou, Zhan-Ting Li, Dan-Wei Zhang and Da Ma*

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Bailiang Wang,* Huihua Liu, Zefeng Wang, Shuai Shi, Kaihui Nan, Qingwen Xu, Zi Ye and Hao Chen*

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B. L. Wang,* T. W. Jin, Y. M. Han, C. H. Shen, Q. Li, Q. K. Lin and H. Chen*