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Materials for biology and medicine

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Saldívar-Guerra et al.,
pp. 5823–5837.
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Inside cover

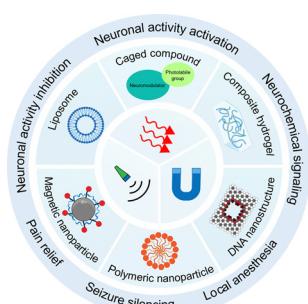
See Zhi Zheng
et al., pp. 5838–5847.
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REVIEWS

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Recent advances in stimuli-responsive controlled release systems for neuromodulation

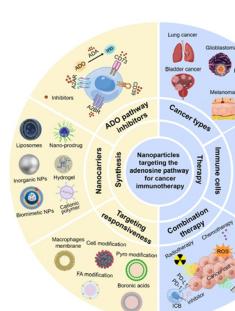
Jielin Shi, Chao Tan, Xiaoqian Ge, Zhenpeng Qin* and
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Kehua Jiang, Jian Wu, Qing Wang, Xiaolong Chen,
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Fundamental questions
Elemental answers



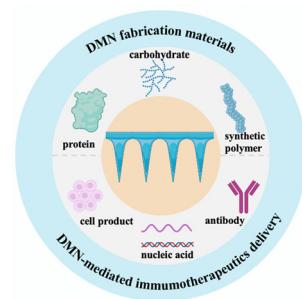
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Dissolving microneedles for transdermal drug delivery in cancer immunotherapy

Maya Xiang, Chunli Yang, Li Zhang, Siyi Wang,
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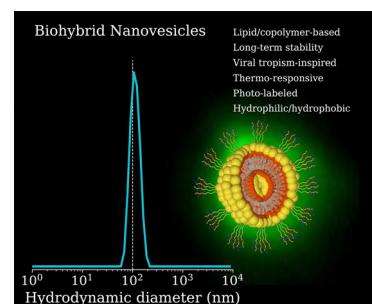


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Biophysical investigation of liposome systems decorated with bioconjugated copolymers in the presence of amantadine

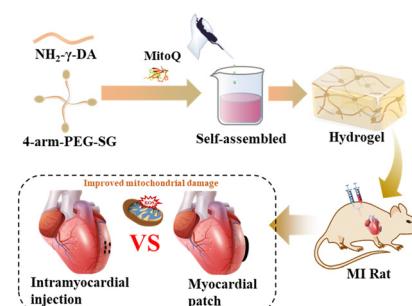
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Comparative effectiveness of myocardial patches and intramyocardial injections in treating myocardial infarction with a MitoQ/hydrogel system

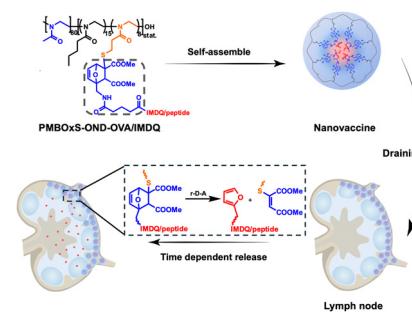
Ying Tan, Yali Nie, Lei ZhengWen and Zhi Zheng*



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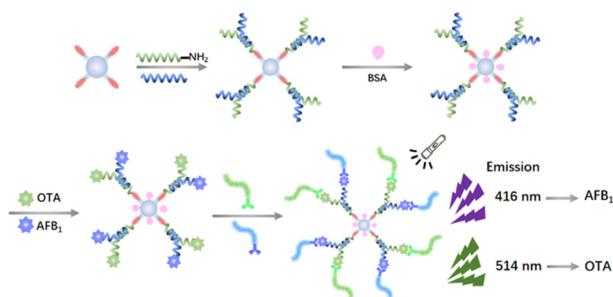
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Kuncheng Lv, Sheng Ma, Liping Liu, Hongyu Chen,
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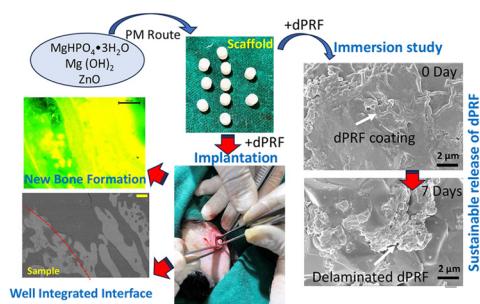
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A controllable Y-shaped DNA structure assisted aptasensor for the simultaneous detection of AFB₁ and OTA based on ARGET ATRP

Mingsan Miao,* Liang Guo, Jinyan Xue, Yuzhen Jia, Zhenzhen Cui and Huaixia Yang*

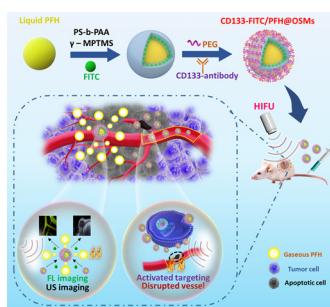
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Effects of the multiscale porosity of decellularized platelet-rich fibrin-loaded zinc-doped magnesium phosphate scaffolds in bone regeneration

Pritish Rath, Santanu Mandal, Pratik Das, Satyabrata Nigamananda Sahoo, Samiran Mandal, Debaki Ghosh, Samit Kumar Nandi* and Mangal Roy*

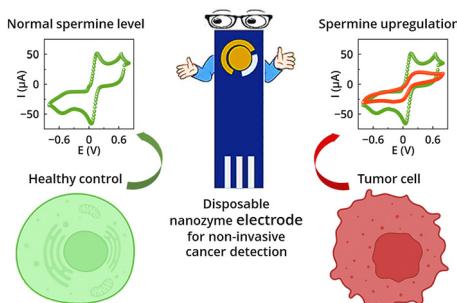
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CD133-targeted multifunctional nanomicelles for dual-modality imaging and synergistic high-intensity focus ultrasound (HIFU) ablation on pancreatic cancer in nude mice

Yijing Yao, Yiwen Zheng, Mingtai Wu, Yihui Gao, Qian Yu, Mengyao Liu, Xiaoxiao Luo, Rui Wang* and Lixin Jiang*

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Iqra Zaman, Amna Liaquat, Sadaf Athar, Adnan Mujahid and Adeel Afzal*

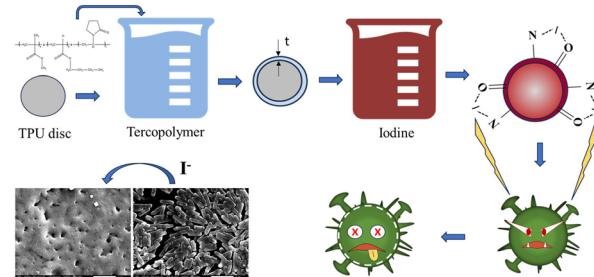


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Development of iodine based sustained release antimicrobial coatings for polyurethane voice prostheses

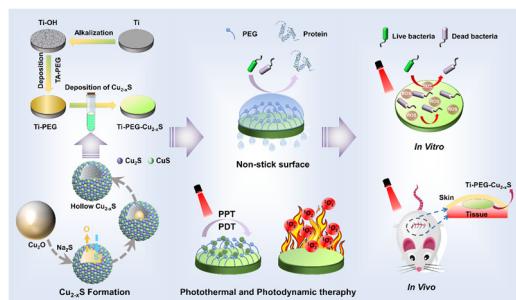
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Cu_{2-x}S homojunction coatings empower titanium implants with near-infrared-triggered antibacterial and antifouling properties

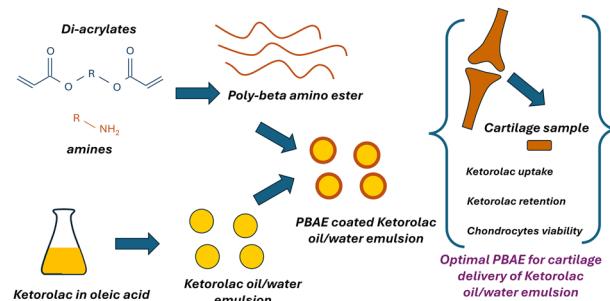
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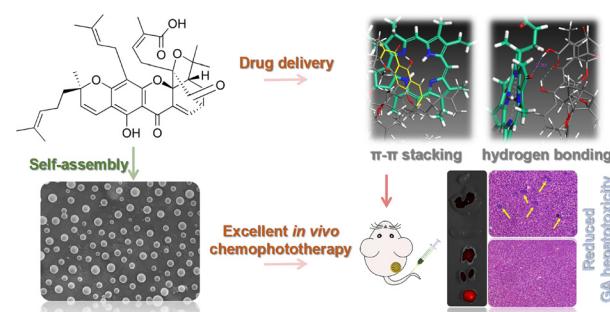
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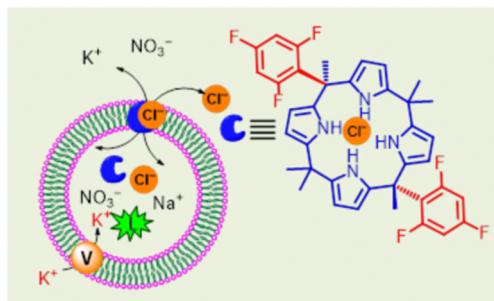
Natural gambogic acid-tuned self-assembly of nanodrugs towards synergistic chemophototherapy against breast cancer

Baohang Lin, Xun Peng, Jianjun Cheng* and Jiacheng Wang*



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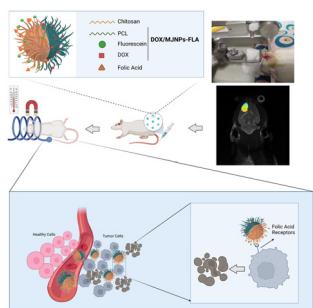
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Probing and evaluating transmembrane chloride ion transport in double walled trifluorophenyl/phthalimide extended calix[4]pyrrole-based supramolecular receptors

Ishfaq Ahmad Rather, Manzoor Ahmad, Pinaki Talukdar* and Rashid Ali*

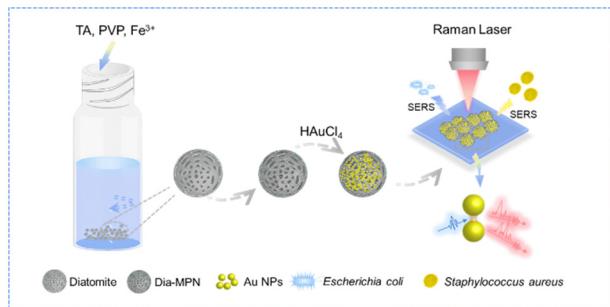
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Active targeted delivery of theranostic thermo/pH dual-responsive magnetic Janus nanoparticles functionalized with folic acid/fluorescein ligands for enhanced DOX combination therapy of rat glioblastoma

Bahareh Haji Ali, Sepideh Khoei, Fariba Mafakheri, Elahe Sadri, Vahid Pirhajati Mahabadi, Mohammad Reza Karimi, Sakine Shirvalilou* and Samideh Khoei*

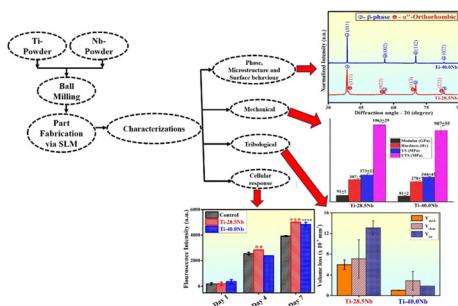
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Food-borne bacteria analysis using a diatomite bioinspired SERS platform

Yikai Chen, Binggang Ye, Mengling Ning, Meng Li, Yixuan Pu, Zhiming Liu, Huiqing Zhong,* Chaofan Hu* and Zhouyi Guo*

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In situ production of low-modulus Ti–Nb alloys by selective laser melting and their functional assessment toward orthopedic applications

Neera Singh, K. P. Srikanth, Vasanth Gopal, Monika Rajput, Geetha Manivasagam, K. G. Prashanth, Kaushik Chatterjee* and Satyam Suwas*

