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Materials for biology and medicine

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See Ming Zhao, Shiqi Peng *et al.*, pp. 6679–6688.

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EDITORIAL

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Bioelectronics: Emerging trends and applications

Anna-Maria Pappa, Eleonora Macchia, Hong Liu and George Malliaras

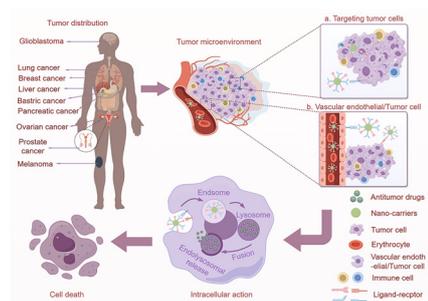


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A superior method for antitumor therapy and application: dual-ligand nanomedicines

Ailing Wang, Xuejun Wang, Dan Li, Aixue Li, Mengyuan He, Yingying Yuan, Li Ye* and Jiyong Liu*



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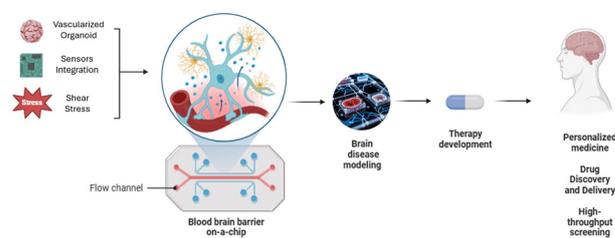
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Recent advances in 3D models for multiparametric blood–brain barrier detection in microfluidic systems

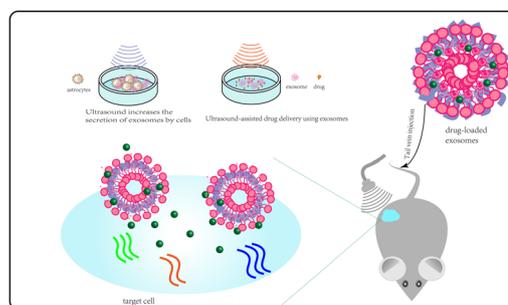
Chiara Boncristiani, Alessia Di Gilio,* Federica De Castro, Alessandra Nardini, Jolanda Palmisani, Rebeca Martínez Vázquez, Gianluigi de Gennaro, Francesco Paolo Fanizzi, Giuseppe Ciccarella and Viviana Vergaro*



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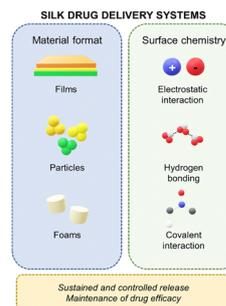
Xiuli Wen and Yi Hao*



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Influence of material format and surface chemistry for the sustained delivery and efficacy of silk drug delivery systems *in vivo*

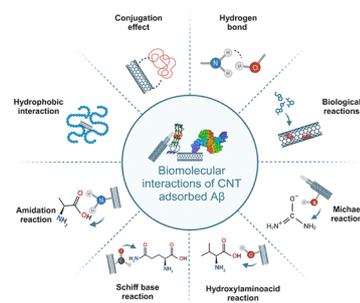
Christine Jurene O. Bacal, Benjamin J. Allardyce* and Filippo Valente*



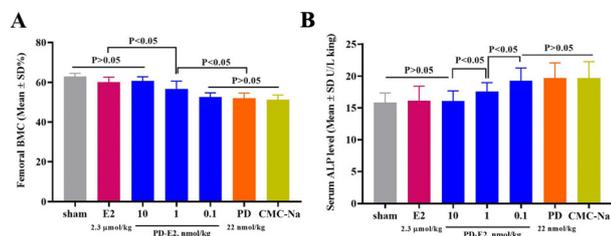
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Biomolecular interactions of carbon nanotubes with amyloid- β proteins

Jinxia Cai, Bowen Li, Guoqing Feng, Jie Zhang, Haojun Fan* and Bin Zheng*



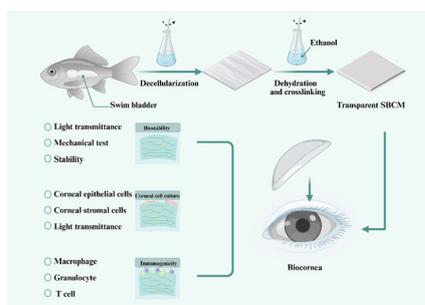
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PD-E2: a nano-scaled delivery for estradiol to decrease uterus damage and increase bone mineral density

Qiqi Feng, Hao Gong, Haimei Zhu, Xiaoyi Zhang, Yaonan Wang, Yifan Yang, Jianhui Wu, Ming Zhao* and Shiqi Peng*

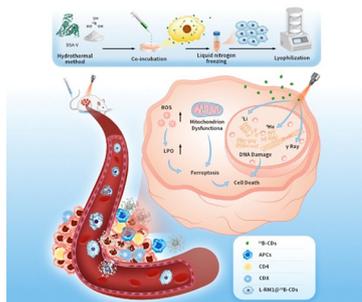
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Highly transparent and elastic acellular swim bladder with potential application in cornea implantation

Yue Yin, Linyu Long, Ningxin Wang, Ran Wei, Mengna Guo, Daihua Fu, Fanju Zhang, Ke Ma,* Li Yang* and Yunbing Wang

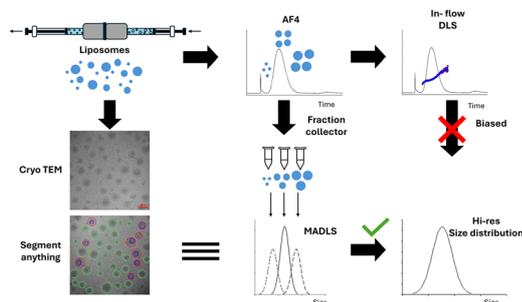
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Lyophilized tumour cell-loaded ^{10}B -doped carbon dots for simultaneous boron neutron capture therapy and enhancement of antitumor immunity of prostate cancer

Yongjin Yang, Zhiyi Zhao, Chengyu You, Miao Pang, Tianyuan Zhong, Qingchao Li, Shiwei Jing, Yanxin Qi,* Yubin Huang* and Zhilong Dong*

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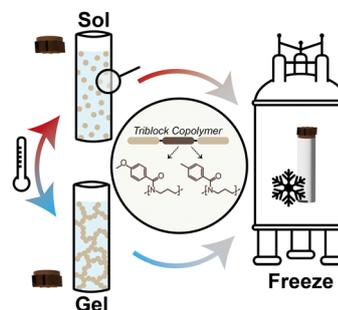
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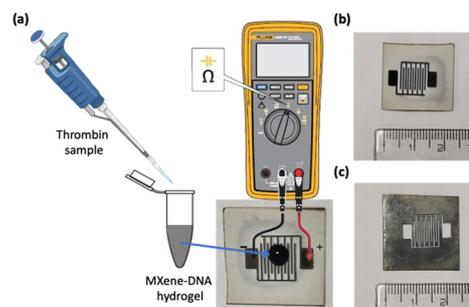
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A functional 2D MXene–DNA hybrid hydrogel for portable detection of blood disorder biomarker thrombin in human plasma

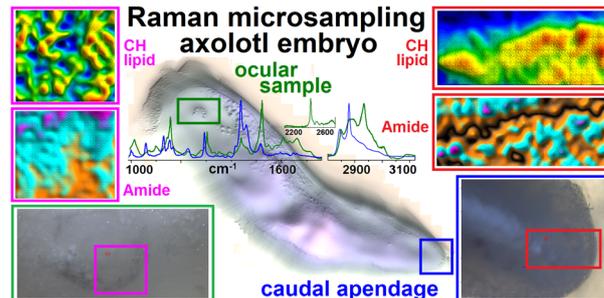
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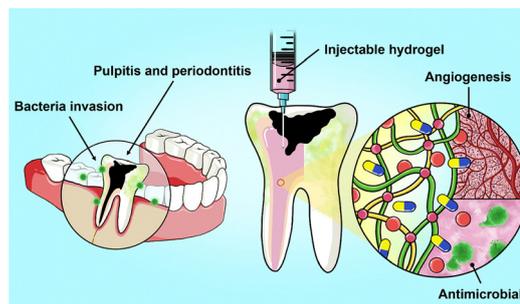
Victor V. Volkov and Carole C. Perry*



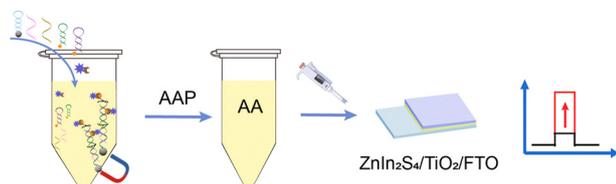
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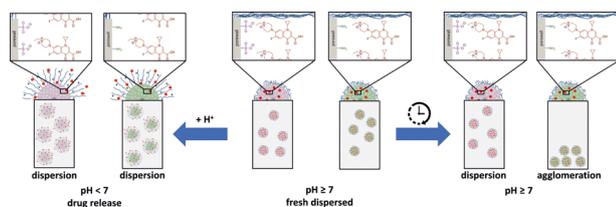
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Ying Zheng, Fan Mo, Qian Sun, Xinzhou Huang, Yijie Du, Xiaomei An, Haoning Ma, Guoqiu Wu, Yuanjian Zhang and Yanfei Shen*

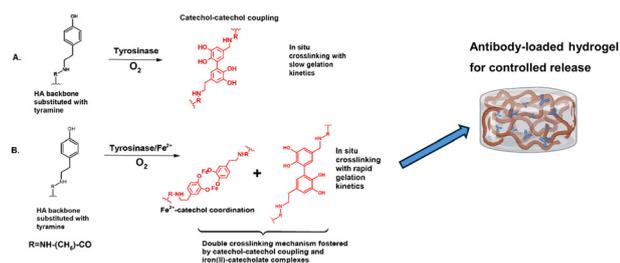
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Stimuli-responsive core-shell-shell nanocarriers for implant-directed magnetic drug targeting

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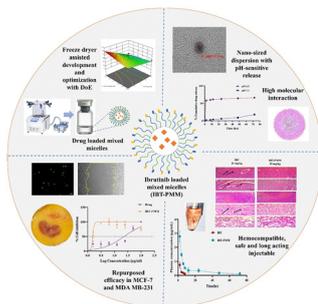
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Iron(II)-catalysed tyrosinase crosslinked hyaluronic acid hydrogel for the controlled release of human antibodies

Seth Asamoah,* Martın Pravda,* Jana Matonohová, Tereza Bártová, Eva Šnejdrová, Sebastian Spiegel, Andrew Chan, Vincent Pernet and Vladimír Velebný

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Benchmarking of pH-responsive mixed micelles for repurposed breast cancer therapy of ibrutinib with molecular modeling and pharmacokinetic insights

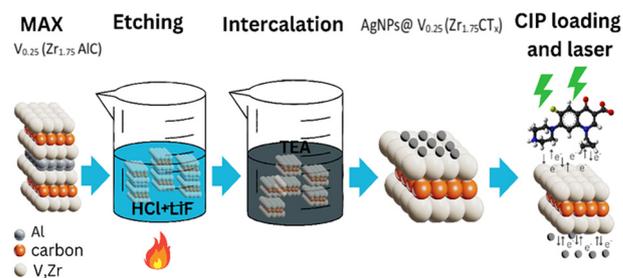
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Tailoring the synthesis of $V_{0.25}(Zr_{1.75})C$ MXene for sensitive SERS quantification of ciprofloxacin antibiotics: spectroscopic and DFT investigation

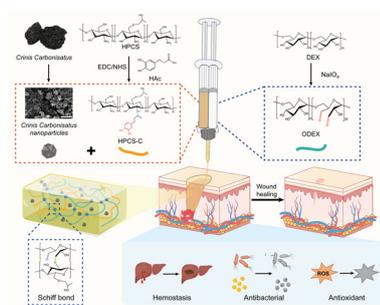
Nasurullah Mahar, Areej H. Al-Mebti, Sajjad Hussain and Abdulaziz A. Al-Saadi*



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Rui Tian, Fazhen Luo, Yilin Yu, Jinxia Mi, Xiaoya Gao, Zhengtao Wang* and Yan Xie*



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Zheng Yang,* Ying Peng, Mengyao Qu, Haonan Yang, Xiaodan Jia and Xiangrong Liu

