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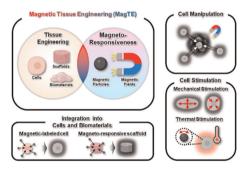
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Magnetic-based tissue engineering: principles, applications, and future prospects in biofabrication

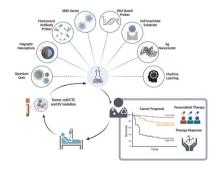
Hwanyong Choi and Jinah Jang*



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Functional biomaterials and machine learning approaches for phenotyping heterogeneous tumor cells and extracellular vesicles

Rutwik Joshi, Raheel Ahmad, Karl Gardner, Hesaneh Ahmadi, Chau-Chyun Chen, Shannon L. Stott* and Wei Li*





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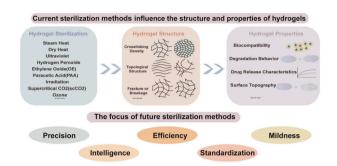


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Effects of irradiation sterilization on the physicochemical and functional properties of commercial biomedical hydrogels

Yin Zhou, Yuevu Ma, Abdus Samad, Zhonghao Wang, Zhuohao Gu, Jingwei Shi, Yuwen Cui,* Yiyan He* and Zhongwei Gu

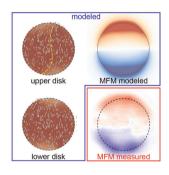


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Approaching the physical limits of specific absorption rate for synthetic antiferromagnetic nanodisks in hyperthermia applications

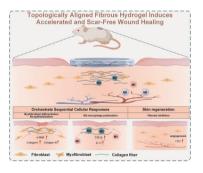
- S. Scheibler, H. Wei, J. Ackers, S. Helbig, S. Koraltan, R. Peremadathil-Pradeep, M. Krupinski, M. Graeser,
- D. Suess,* I. K. Herrmann* and H. J. Hug*



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Topologically aligned fibrous biopolymeric hydrogel orchestrates sequential cellular responses for accelerated scarless wound healing

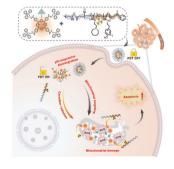
Yongjie Wu, Zenghui Jia, Kang Sun, Guangdong Zhou* and Ke Tao*



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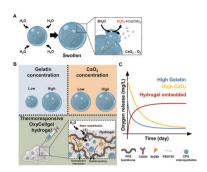
An activatable self-amplifying ROS nanoplatform for augmented Cerenkov radiation-induced photodynamic therapy

Hehua Xiong, Yiling Ruan, Huihui Liu, Xuan Liu* and Xiaolian Sun*



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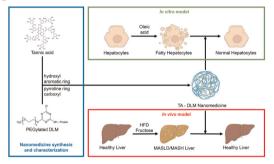
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Modulating oxygen release via manipulated microspheres embedded in thermoresponsive hydrogels for enhanced stem cell survival under hypoxia

Jiyeon Lee, Jisun Kim, Ki Wan Bong and Soo-Chang Song*

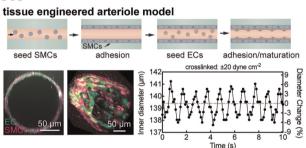
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Development of a decellularized liver matrix-based nanomedicine for metabolic dysfunctionassociated steatotic liver disease

Yong-Heng Lin, Huei-Fen Jheng and Yung-Te Hou*

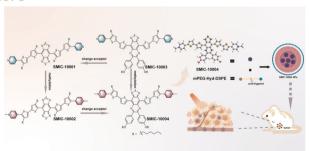
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A tissue-engineered endothelial cell - smooth muscle cell arteriole-like model

Ninghao Zhu, Lily Liang, Nan Zhao, Haosong Chen and Peter C. Searson*

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Charge modulation in D-A-D molecules: an acid-responsive NIR-II nanoplatform for imaging and photothermal therapy

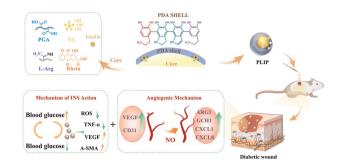
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Innovative epidermal-penetrating nanogels with microenvironment-adaptive pH responsiveness orchestrate glucose homeostasis reprogramming and spatiotemporally coordinated therapeutic cascades for precision diabetic wound therapy

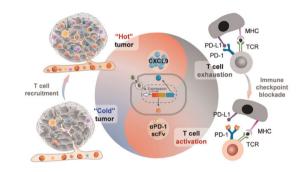
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Nanomedicine-mediated co-expression of a PD-1 blockade agent and CXCL9 synergizes T cell infiltration and activation in solid tumors

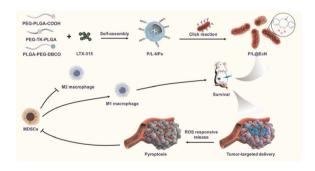
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Bacteria biohybrids integrating anticancer peptide-loaded nanoparticles for tumor immunotherapy through pyroptosis activation

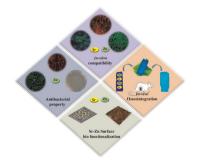
Shiyi Chen, Xunping Ouyang, Xue Wei, Gang He, Yiwen Xian, Chong Zhang* and Decheng Wu*



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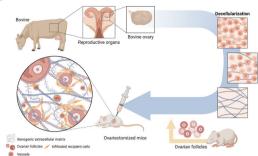
Tailoring the interfaces of titanium with strontium and zinc: a surface functionalization approach with *in vitro* and *in vivo* evaluation for bone implants

Sreya P V, Ann Mary Mathew, Kalimuthu Vignesh, Chandran Manimegalai Swathi, Balamuthu Kadalmani and Deepak K. Pattanayak*



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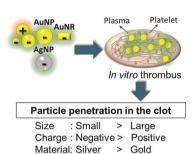
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A proof-of-concept study on an injectable artificial ovary using a xenogeneic ECM for fertility restoration

Chungmo Yang, Nanum Chung, Chaevoung Song, Hyerim Kim, Jungwoo Shin, Kangwon Lee* and Jung Ryeol Lee*

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Shape : Sphere > Rod

Impact of material characteristics on nanoparticle penetration and retention in thrombi: implications for thrombolysis

Xiangxun Chen, Haotian Cha, Shehzahdi S. Moonshi, Nam-Trung Nguyen and Hang Thu Ta*

CORRECTIONS

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Correction: NiFe-LDH-enhanced Ru single-atom catalysts anchored on MXenes for synergistic photothermal-nanocatalytic cancer therapy

Sharipova Gulnihol, Takhirov Yuldash, Rakhmanov Kosim, Avliyoqulova Musharraf, Lola Abduraximova, Ismailova Zukhra, Ibragimkhodjaev Bakhodir, Kuchkorova Ra'no, Abdullayev Dadaxon, Dilbar Urazbaeva, Sullieva Suluv and Monireh Faraji*

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Correction: Ultra-low attachment surface enabling 3D co-culture of human B cells with CD40L-expressing stromal cells for in vitro mimicry of secondary lymphoid organs

Ananta Kumar, Kyoung Hwan Park, Kang Moo Huh* and Kyung-Ho Roh*