

Biomaterials Science

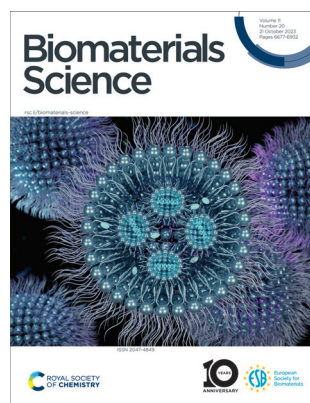
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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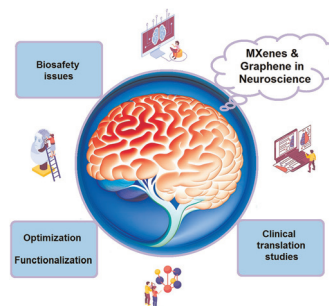


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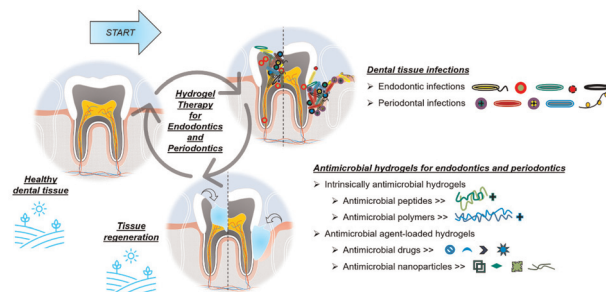


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Advances in antimicrobial hydrogels for dental tissue engineering: regenerative strategies for endodontics and periodontics

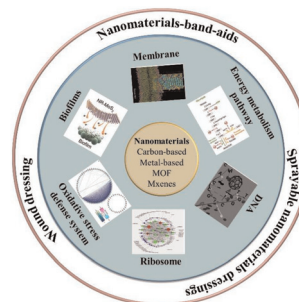
Deniz Atila* and Vignesh Kumaravel*



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Wanfeng Wu, Mengjiao Duan, Shuxuan Shao, Fanxing Meng, Yanan Qin* and Minwei Zhang*

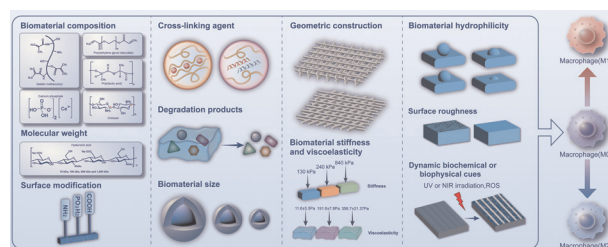


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Multivalency-enhanced enzyme inhibitors with biomolecule-responsive activity

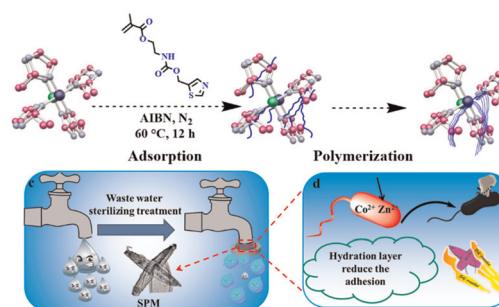
Fan Ding, Xinrui Li, Xu Chen, Yue Ma* and Guoqing Pan*



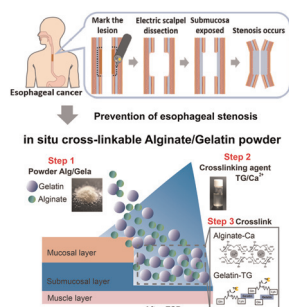
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Construction of self-propelled micromotor for "hunting bacteria"

Yaping Zhang, Duoxin Zhang, Yuanze Geng, Yufeng He, Pengfei Song and Rongmin Wang*



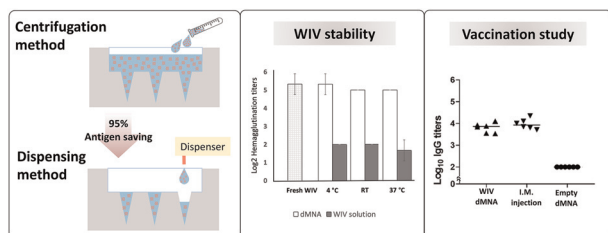
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Qi Pan, Yosuke Tsuji, Athira Sreedevi Madhavikutty, Seiichi Ohta, Ayano Fujisawa, Natsuko F. Inagaki, Mitsuhiro Fujishiro and Taichi Ito*

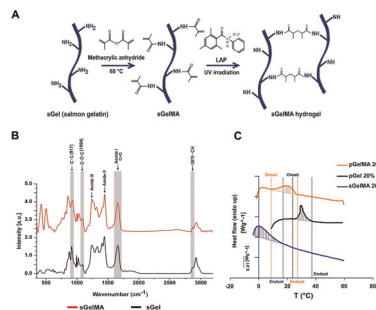
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Efficient fabrication of thermo-stable dissolving microneedle arrays for intradermal delivery of influenza whole inactivated virus vaccine

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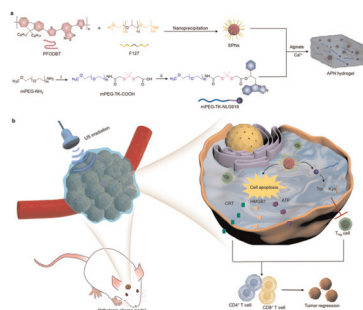
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An advanced biphasic porous and injectable scaffold displays a fine balance between mechanical strength and remodeling capabilities essential for cartilage regeneration

Gabriela Zavala, Sergio M. Viafara-García, Javier Novoa, Carmen Hidalgo, Ingrid Contardo, Paulo Díaz-Calderón, Wilfredo Alejandro González-Arriagada, Maroun Khoury and Juan Pablo Acevedo*

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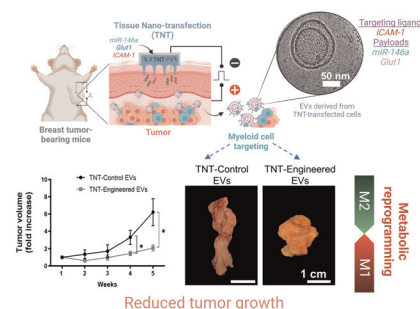
Liyun Zhu, Xing Wang, Mengbin Ding, Ningyue Yu, Yijing Zhang, Hongwei Wu,* Qin Zhang,* Jiansheng Liu* and Jingchao Li*



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ICAM-1-decorated extracellular vesicles loaded with miR-146a and *Glut1* drive immunomodulation and hinder tumor progression in a murine model of breast cancer

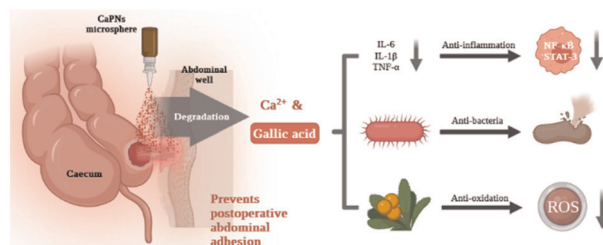
S. Duarte-Sanmiguel, A. I. Salazar-Puerta, A. Panic, D. Dodd, C. Francis, D. Alzate-Correa, L. Ortega-Pineda, L. Lemmerman, M. A. Rincon-Benavides, K. Dathathreya, W. Lawrence, N. Ott, J. Zhang, B. Deng, S. Wang, S. P. Santander, D. W. McComb, E. Reategui, A. F. Palmer, W. E. Carson, N. Higuera-Castro* and D. Gallego-Perez*



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Multifunctional calcium polyphenol networks reverse the hostile microenvironment of trauma for preventing postoperative peritoneal adhesions

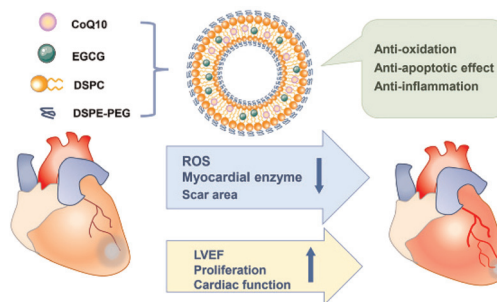
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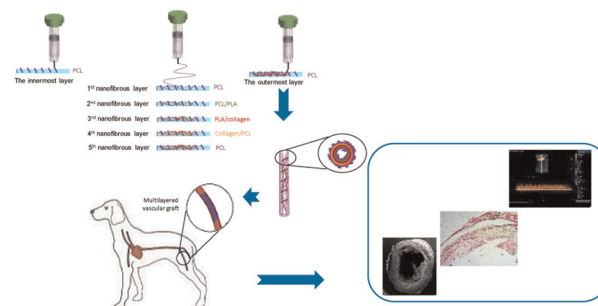
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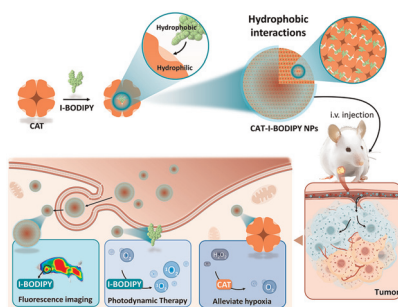
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Mehdi Atari, Abbas Saroukhani, Maziar Manshaei, Peiman Bateni, Anousheh Zargar kharazi, Elham Vatankhah* and Shaghayegh Haghjooy Javanmard*



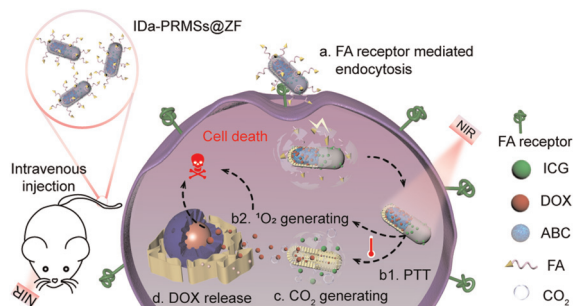
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Multifunctional protein-based self-assembled nanoplateform: overcoming hypoxic tumor microenvironment for enhanced imaging-guided photodynamic therapy

Min Li, Ziyi Cheng, Heng Liu, Kun Dou, Huan Xiao,*
Linlu Zhao* and Fabio Yu*

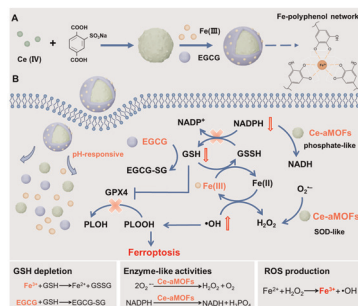
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Functionalized nanohybrids with rod shape for improved chemo-phototherapeutic effect against cancer by sequentially generating singlet oxygen and carbon dioxide bubbles

Wei Zhang, Lu Chen, Xianbin Zhang, Peng Gong,
Xiyu Wang, Zhiying Xu, Ganyu Nie and Lu Xu*

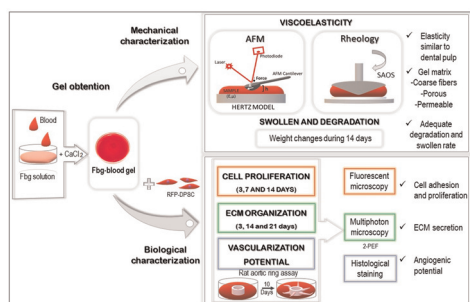
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GSH-depleting metal-polyphenol-network nanoparticles with dual enzyme activities induce enhanced ferroptosis

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Guo-Qing Wang, Yang Shu* and Jian-Hua Wang*

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Sofia Silvia Piglionico,* Bela Varga, Orsolya Pall,
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Bernard Levallois and Ivan Vladislavov Panayotov

