

Biomaterials Science

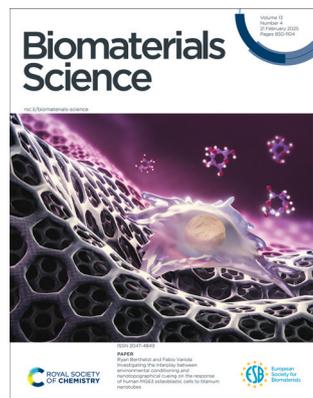
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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IN THIS ISSUE

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Cover

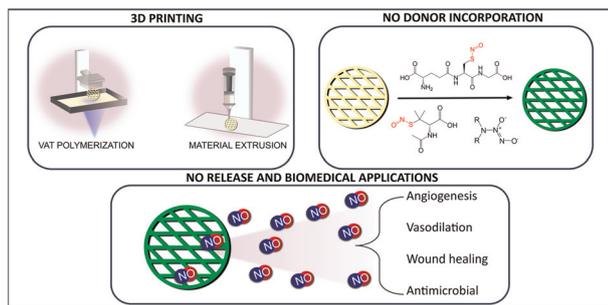
See Ryan Berthelot and Fabio Variola, pp. 946–968.

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REVIEWS

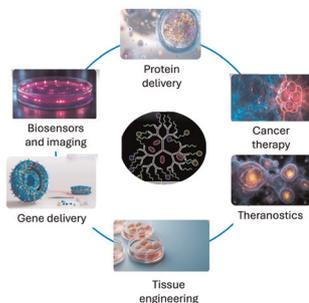
858



Integrating 3D printing of biomaterials with nitric oxide release

Herllan V. de Almeida, Mateus P. Bomediano, Daniele M. Catori, Elizaura H. C. Silva and Marcelo G. de Oliveira*

875



Structurally programmable, functionally tuneable dendrimers in biomedical applications

Geethu Prakash, Bhagyesh Parmar and Dhiraj Bhatia*



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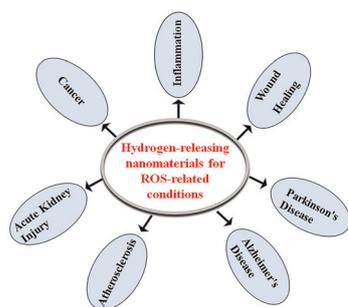
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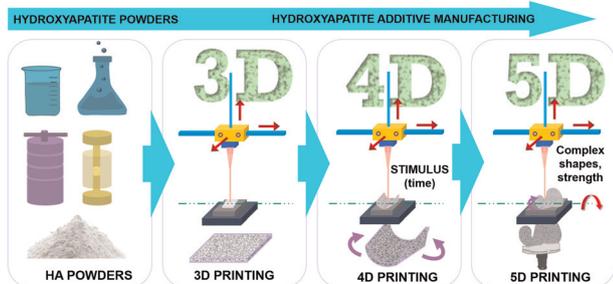
896



Application trends of hydrogen-generating nanomaterials for the treatment of ROS-related diseases

Xiaobing Li, Xuezu Wang, Guifang Chen* and Bo Tian*

913

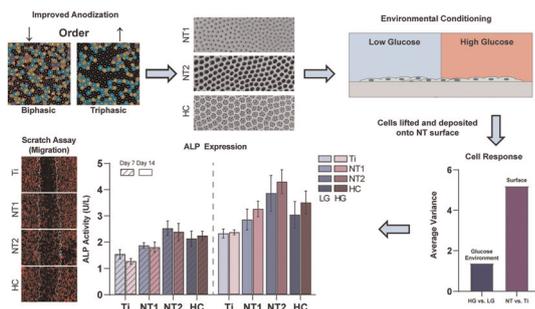


A review on hydroxyapatite fabrication: from powders to additive manufactured scaffolds

Ananthika Vijayan, Jithin Vishnu, Revathi A, Balakrishnan Shankar* and Sreedha Sambhudevan*

PAPERS

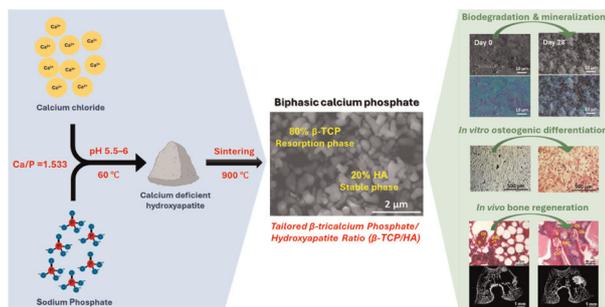
946



Investigating the interplay between environmental conditioning and nanotopographical cueing on the response of human MG63 osteoblastic cells to titanium nanotubes

Ryan Berthelot and Fabio Variola*

969



Optimized synthesis of biphasic calcium phosphate: enhancing bone regeneration with a tailored β -tricalcium phosphate/hydroxyapatite ratio

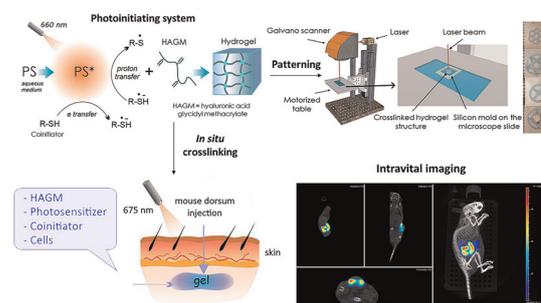
Dieu Linh Tran, Qui Thanh Hoai Ta, Manh Hoang Tran, Thi My Huyen Nguyen, Ngoc Thuy Trang Le, Anh Phuong Nguyen Hong, Hyun-Ji Park, Ki Dong Park and Dai Hai Nguyen*



980

Photocrosslinking of hyaluronic acid-based hydrogels through biotissue barriers

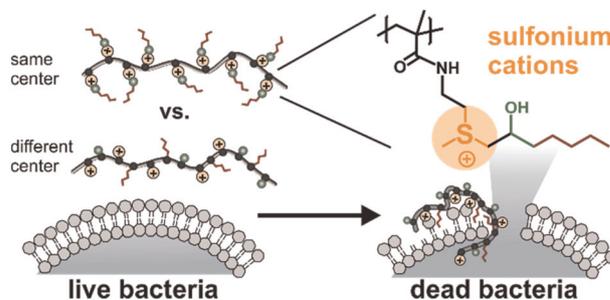
Alexander G. Savelyev, Anastasia V. Sochilina, Gulalek Babayeva, Mariya E. Nikolaeva, Valeriia I. Kuziaeva, Anna I. Prostyakova, Igor S. Sergeev, Dmitry A. Gorin, Evgeny V. Khaydukov,* Alla N. Generalova* and Roman A. Akasov*



993

Sulfonium-based polymethacrylamides for antimicrobial use: influence of the structure and composition

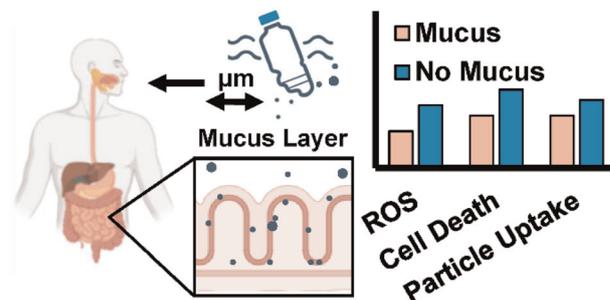
Sidra Kanwal, Umer Bin Abdul Aziz, Elisa Quaas, Katharina Achazi and Daniel Klinger*



1010

The role of human intestinal mucus in the prevention of microplastic uptake and cell damage

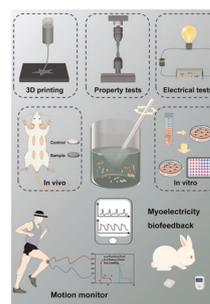
Ellen W. van Wijngaarden, Sandra L. Arias, Matthew Rhee, Meredith N. Silberstein and Ilana L. Brito*



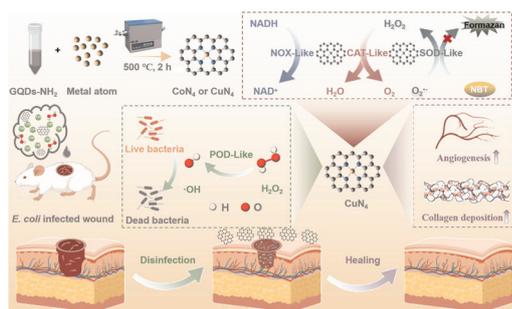
1021

3D printing of wearable sensors with strong stretchability for myoelectric rehabilitation

Jianan Zhan, Yueying Kong, Xi Zhou, Haihuan Gong, Qiwei Chen, Xianlin Zhang, Jiankai Zhang,* Yilin Wang* and Wenhua Huang*



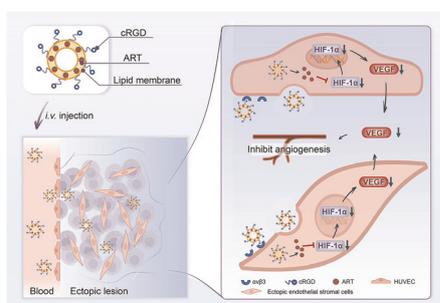
1033



Single-atom nanozymes with intelligent response to pathological microenvironments for bacterially infected wound healing

Zhen Wan, Qingshan Liu, Yadong Zhe, Jiarong Li, Danqi Ding, Shuangjie Liu, Hao Wang, Huanhuan Qiao, Jiang Yang, Shaofang Zhang* and Xiaoyu Mu*

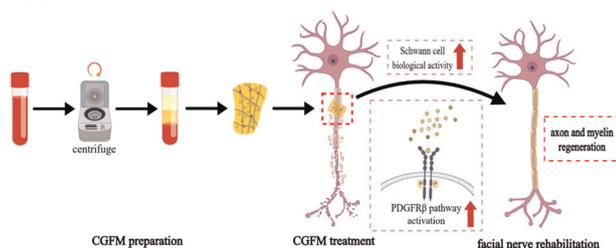
1045



A cRGD-modified liposome for targeted delivery of artesunate to inhibit angiogenesis in endometriosis

Jianyu Ma, Zhouzhou Liao, Jinbo Li, Xiao Li, Hongling Guo, Qiyu Zhong, Jianyun Huang, Xintao Shuai* and Shuqin Chen*

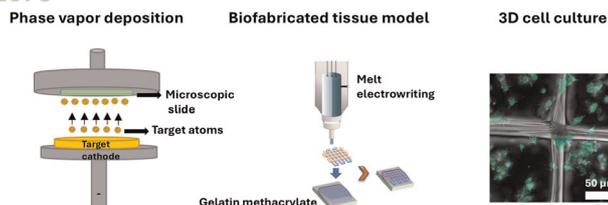
1059



Efficacy and mechanisms of concentrated growth factor on facial nerve rehabilitation in a rabbit model

Xiaochen Yang, Zhengyao Hou, Kexin Wang, Jieying Li, Wei Shang, Lin Wang* and Kai Song*

1075



Biofabricated tissue model for determining biocompatibility of metallic coatings

Taha Cagri Senocak, Pavan Kumar Reddy Gudeti, Joanna Żur-Pińska and Matgorzata Katarzyna Włodarczyk-Biegun*

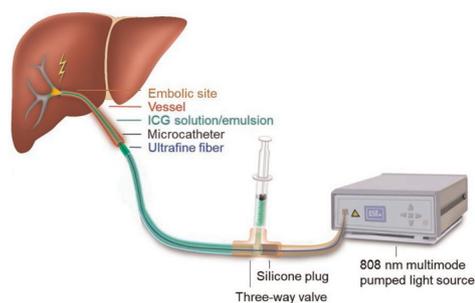


PAPERS

1091

Ultrafine fiber-mediated transvascular interventional photothermal therapy using indocyanine green for precision embolization treatment

Yingao Ma, Jingyu Xiao, Gina Jinna Chen, Hong Dang, Yaran Zhang, Xiaoqin He, Perry Ping Shum and Qiongyu Guo*



CORRECTION

1101

Correction: Construction of a sustained-release hydrogel using gallic acid and lysozyme with antimicrobial properties for wound treatment

Wei Gong, Hai-bo Huang, Xin-chuang Wang, Wan-ying He, Yi-yang Hou and Jiang-ning Hu*

