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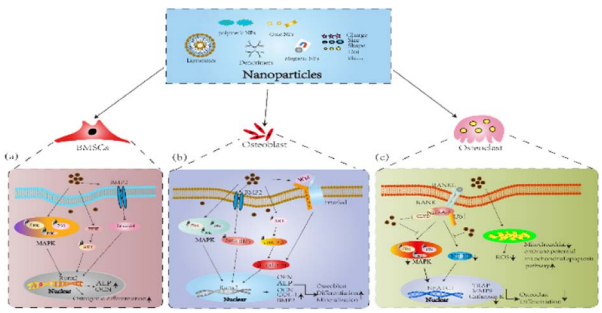
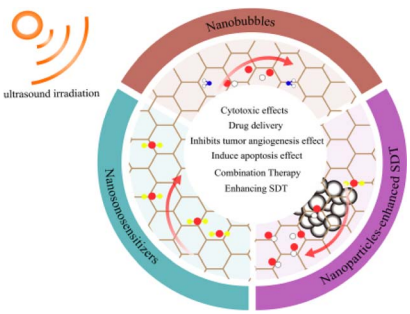
See Zhenyu Zhang, Dongdong Liu, Xingqiao Deng *et al.*, pp. 2002–2012. Image reproduced by permission of Zhenyu Zhang from *Nanoscale Adv.*, 2024, **6**, 2002.

Inside cover
See Su-Hyun Kim *et al.*, pp. 2013–2025. Image reproduced by permission of Jun-Bo Yoon from *Nanoscale Adv.*, 2024, **6**, 2013.

REVIEWS



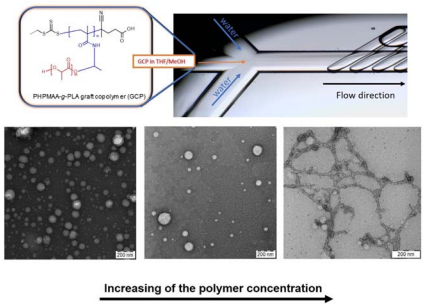


COMMUNICATIONS

1992

Effect of polymer concentration on the morphology of the PHPMAA-*g*-PLA graft copolymer nanoparticles produced by microfluidics nanoprecipitation

Svetlana Lukáš Petrova,* Ewa Pavlova, Václav Pokorný and Vladimir Sincari*



1997

Crystallization-induced emission from F-doped carbon dots

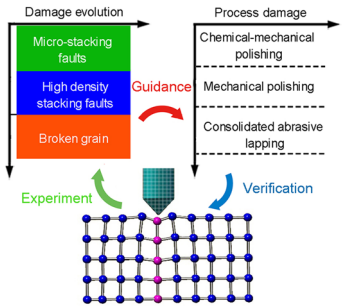
Tingxuan Guo, Gaixia Yang, Yan Li,* Can Liu, Fulin Yang, Defa Hou, Hao Sun, Yunwu Zheng, Xu Lin* and Lanxiang Liu*

PAPERS

2002

The damage mechanism in copper studied using *in situ* TEM nanoindentation

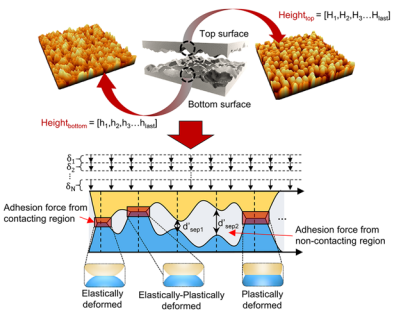
Dong Wang, Zhenyu Zhang,* Dongdong Liu,* Xingqiao Deng,* Chunjing Shi, Yang Gu, Xiuqing Liu, Xiaoyu Liu and Wei Wen



2013

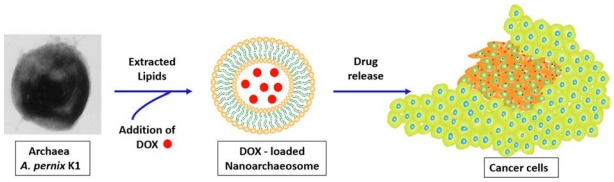
An experimental and numerical study on adhesion force at the nanoscale

Su-Hyun Kim, Pan-Kyu Choi, Yong-Bok Lee, Tae-Soo Kim, Min-Seung Jo, So-Young Lee, Hyun-Woo Min and Jun-Bo Yoon*



PAPERS

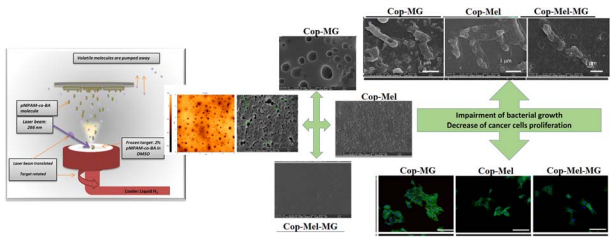
2026



Doxorubicin loaded thermostable nanoarchaeosomes: a next-generation drug carrier for breast cancer therapeutics

Kaviya Vijayalakshmi Babunagappan, Abirami Seetharaman, Subastri Ariraman, Poornima Budime Santhosh, Julia Genova, Natasa Poklar Ulrih and Swathi Sudhakar*

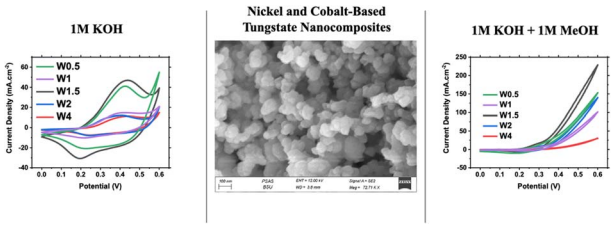
2038



Hybrid bio-nanoporous peptide loaded-polymer platforms with anticancer and antibacterial activities

Madalina Icriverzi, Paula Ecaterina Florian, Anca Bonciu, Luminita Nicoleta Dumitrescu, Antoniu Moldovan, Diana Pelinescu, Robertina Ionescu, Ionela Avram, Cristian V. A. Munteanu, Livia Elena Sima, Valentina Dinca, Laurentiu Rusen* and Anca Roseanu*

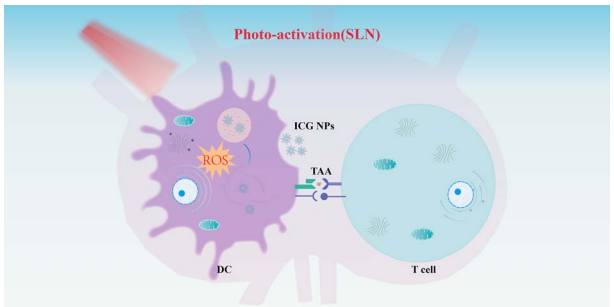
2059



Nickel and cobalt-based tungstate nanocomposites as promising electrocatalysts in alkaline direct methanol fuel cells

Imtenan Mahmoud, Ahmed A. Farghali, Waleed M. A. El-Rouby and Abdalla Abdelwahab*

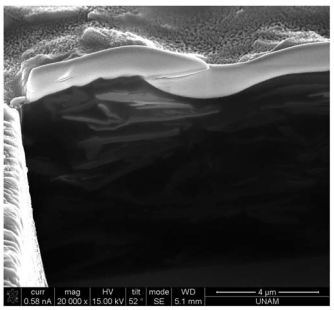
2075

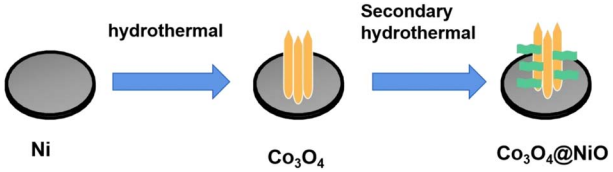


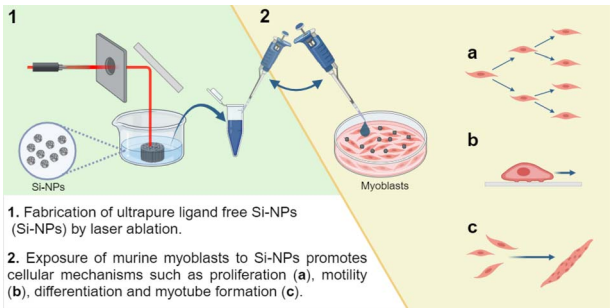
Boosted photo-immunotherapy *via* near-infrared light excited phototherapy in tumor sites and photo-activation in sentinel lymph nodes

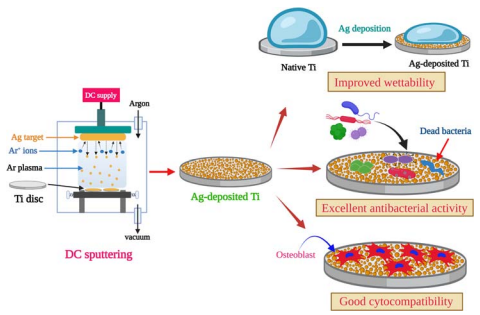
Chen Wang, Bobo Gu,* Shuhong Qi,* Siyi Hu* and Yu Wang*

PAPERS









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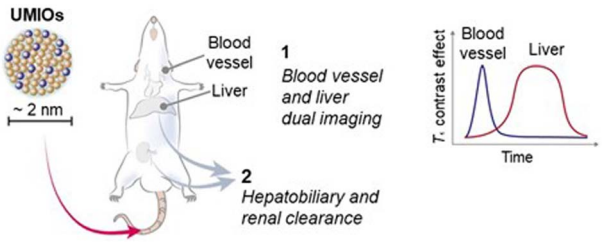

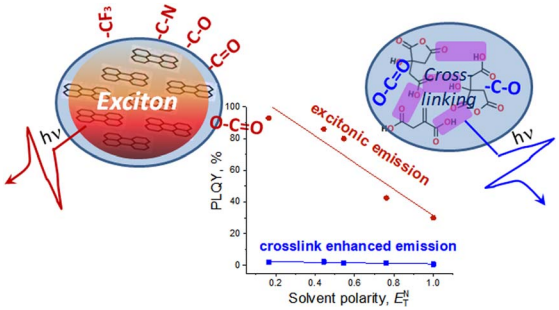

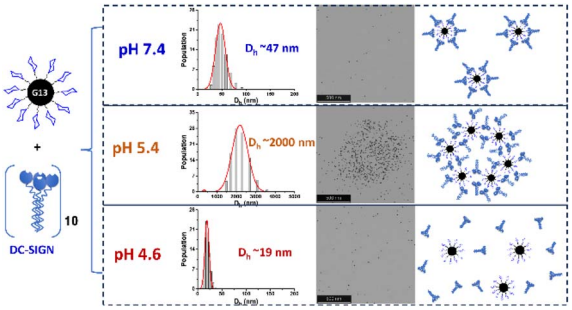

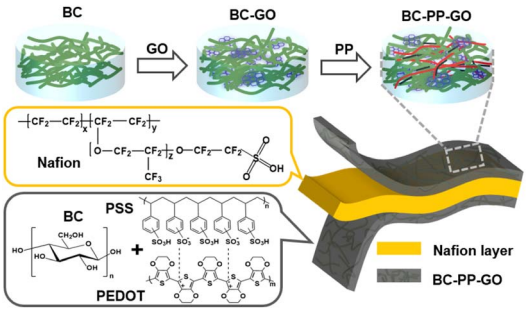

CORRECTION

2217

Correction: Universal control of proton concentration using an electrochemically generated acid compatible with miniaturization

Janwa El-Maiss, Divya Balakrishnan and César Pascual García*