

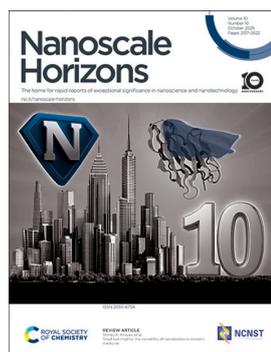
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Introduction to the editor's choice collection on Nanoarchitectonics: fine structure construction in nanoscale

Katsuhiko Ariga

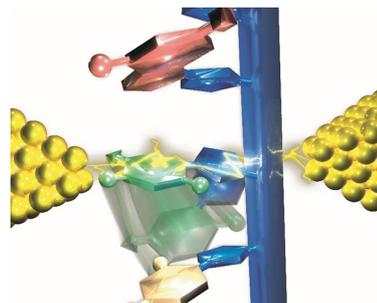


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A reflection on 'Dipole effects on the formation of molecular junctions'

Makusu Tsutsui



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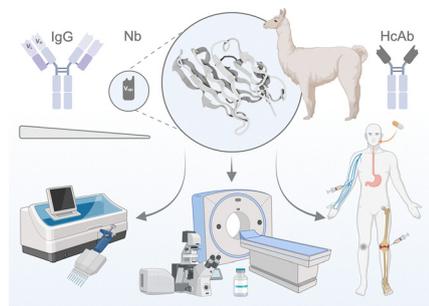


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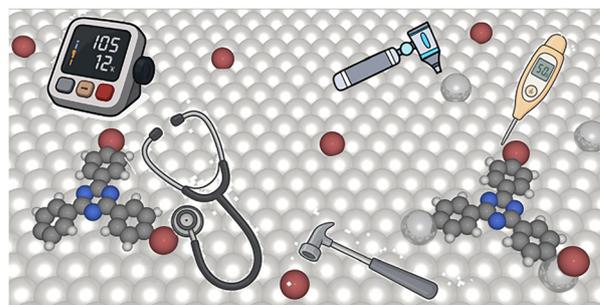
Mike Blueggel, Désirée Gül, Roland H. Stauber and Shirley K. Knauer*



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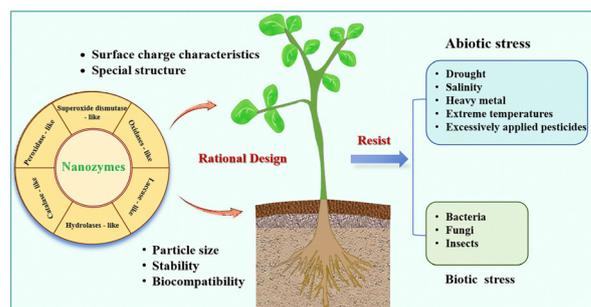
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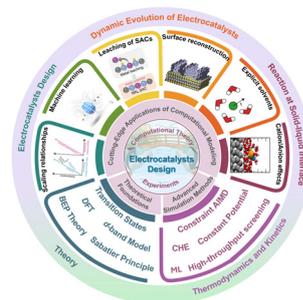
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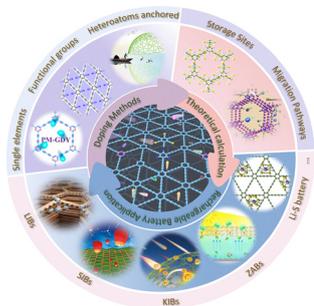
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Yaqin Zhang, Yu Xiong, Yuhang Wang, Qianqian Wang and Jun Fan*



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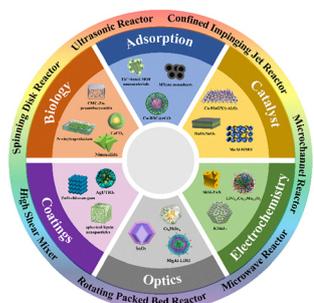
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Ziqi Chen, Deyi Zhang, Ze Yang,* Yan Xu,* Xuqi Wang, Hao Huang, Fangcheng Qiu and Changshui Huang*

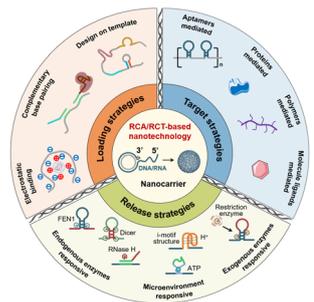
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Zixuan Feng, Junheng Guo,* Yingcheng Wang, Jiaoyan Shi, Huiwen Shi, Haojie Li, Jinli Zhang and Jiangjixing Wu*

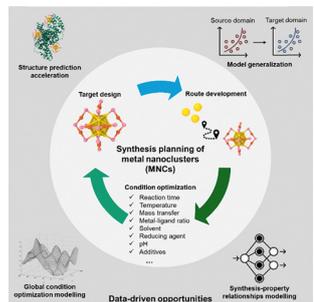
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Xun You, Qingxuan Zeng, Tianshuang Xia, Xiaocui Guo,* Chi Yao* and Dayong Yang*

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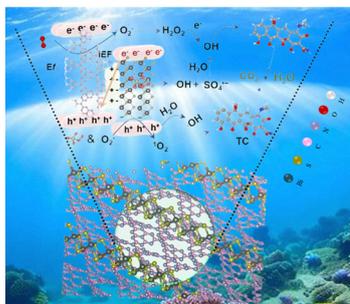


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Jingkuang Lyu, Jing Qian, Zhucheng Yang and Jianping Xie*



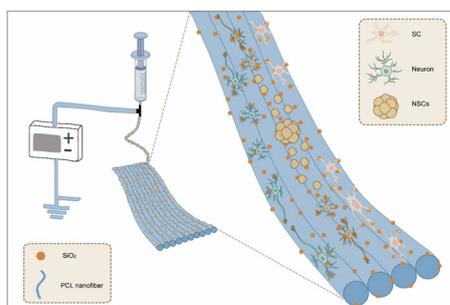
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In situ interfacial engineering of 1D Bi₂S₃/2D g-C₃N₄ heterostructures for antibiotics degradation in aqueous media *via* light mediated peroxymonosulfate activation

Muhammad Mateen,* Guanrong Chen, Na Guo* and Wee Shong Chin*

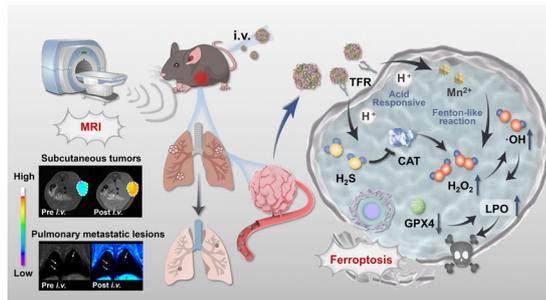
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“Cell climbing stones” – varying the surfaces of electrospun nanofibers with protrusions as secondary structures to manipulate neural cell behaviors

Yawen Wang, Xiaopei Zhang, Lijie Yao, Yuying Yan, Yuanfei Wang and Tong Wu*

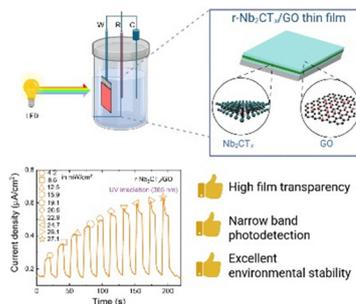
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A transferrin-targeted nanoplatform for MRI-guided visualization and potent suppression of tumors and pulmonary metastatic lesions

Liya Tian, Pengju Ma, Wenxiu Zhuang, Yinlong Xu, Lihua Pang, Kai Guo, Ke Ren, Xueli Xu, Xiao Sun* and Shunzhen Zheng*

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Unraveling interfacial interactions in reduced Nb₂CT_x/GO heterostructures for highly stable and transparent narrow-band photoelectrochemical photodetectors

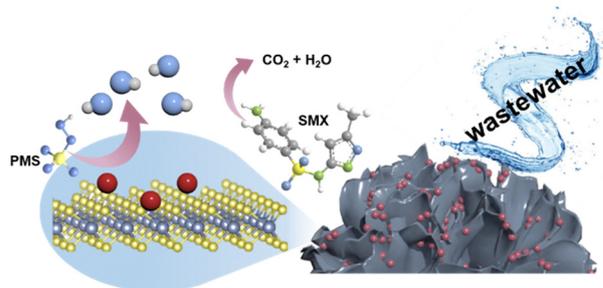
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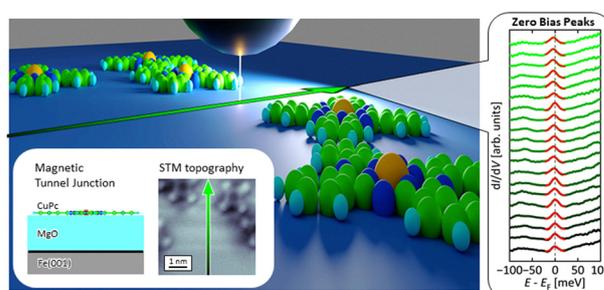
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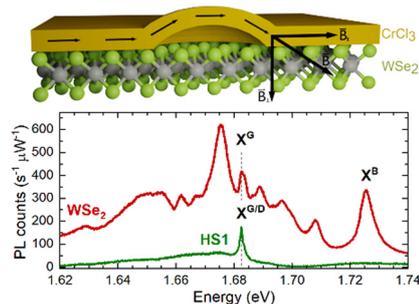
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Interplay between charge transfer and magnetic proximity effects in WSe₂/CrCl₃ heterostructures

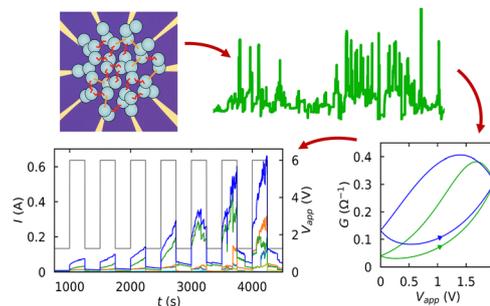
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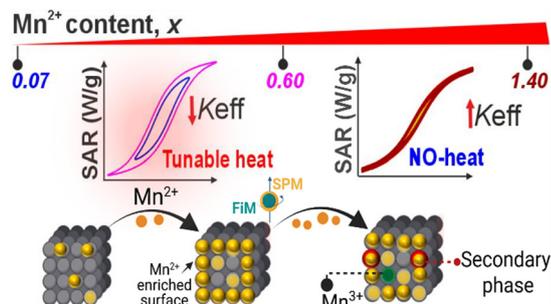
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Learning and spiking dynamics in brain-like nanoscale networks

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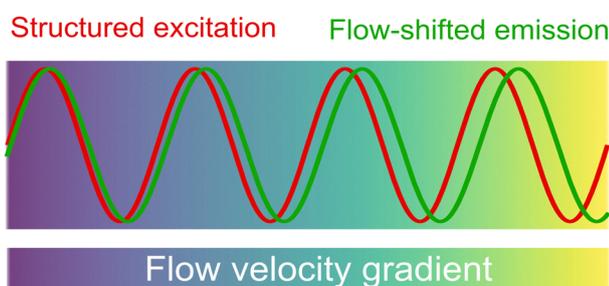
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Unraveling the Mn²⁺ substitution effect on the anisotropy control and magnetic hyperthermia of Mn_xFe_{3-x}O₄ nanoparticles

Oscar F. Odio, Giuseppina Tommasini, F. J. Teran, Jesus G. Ovejero, Javier Rubin, Maria Moros* and Susel Del Sol-Fernández*

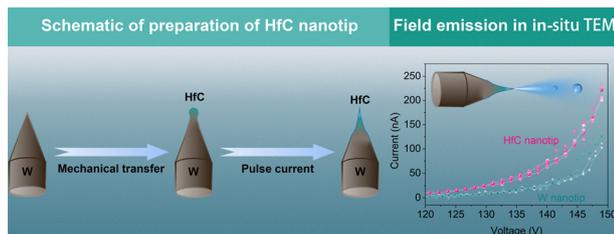
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Photophysical structured illumination velocimetry based on the long-lasting emission response of lanthanide luminescent nanoparticles

Haichun Liu* and Jerker Widengren*

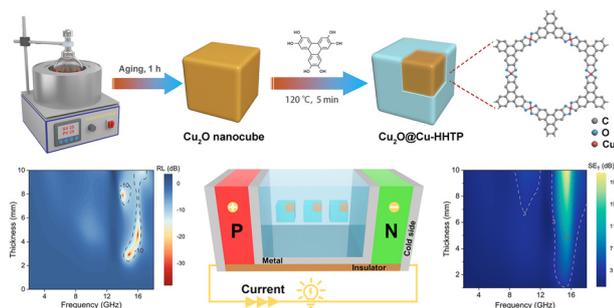
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In situ growth and field emission of single-crystal HfC nanotips

Chaojie Li, Jianxun Xu,* Lihua Wang* and Xiaodong Han

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A core-shell Cu₂O@Cu-MOF for electromagnetic wave absorption and selective shielding

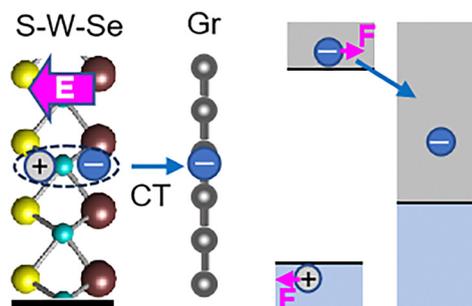
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Photodoping of graphene with long-lived electrons by interfacing with Janus WS₂

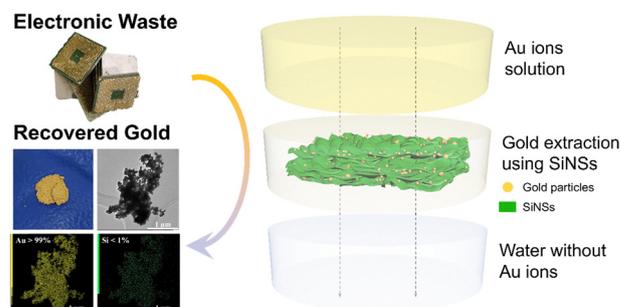
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High-efficiency gold recovery from electronic waste with 2D silicon nanosheets

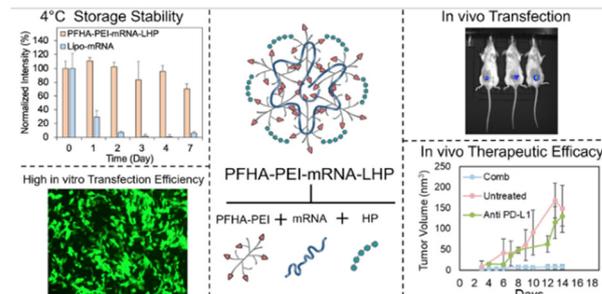
Dingxuan Kang, Chuanwang Xing, Chengcheng Zhang, Shenghua Wang, Yuhang Dong, Deren Yang and Wei Sun*



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A modular polymer platform for efficient mRNA delivery in cancer immunotherapy

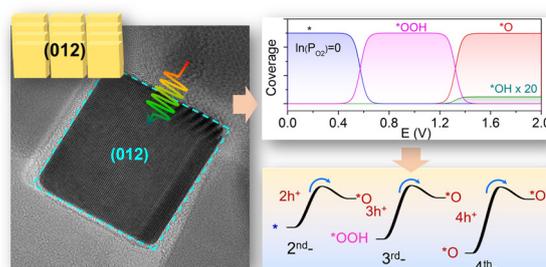
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Yanjie Liu, Zhixuan Dong, Qingqing Li, Jundie Hu,* Jiafu Qu, Meiyong Gong, Wei Sun, Chang Ming Li and Xiaogang Yang*



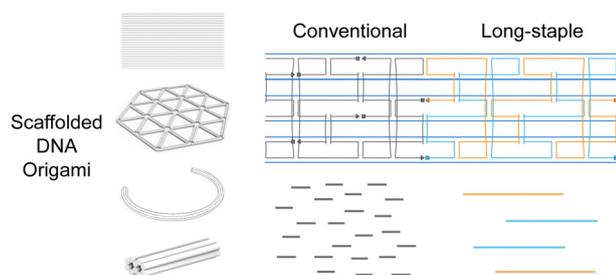
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$$\frac{\hat{E}}{k_B \theta} = \frac{E}{k_B T}$$

A finite-size statistical mechanics approach to quantum confinement effects on nanoscale energy-related properties

A. Pérez-Madrid* and I. Santamaría-Holek*

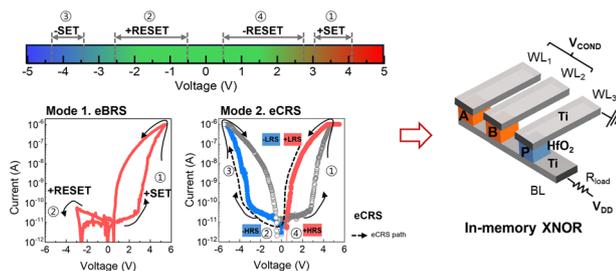
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A long-staple design approach towards the scalable production of scaffolded DNA origami

Chanseok Lee,* Yanggyun Kim, Kyoung-hwa Jeon, Taeyoung Ryu and Do-Nyun Kim*

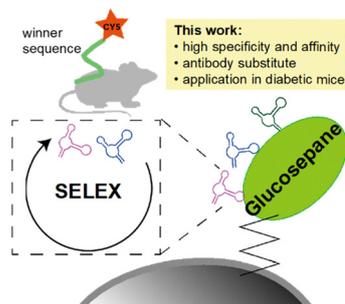
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Dual-mode switching of a bidirectional self-rectifying Ti/HfO₂/Ti device for bipolar and electronic complementary resistive switching

Hyun Young Kim, Néstor Ghenzi, Hyungjun Park, Dong Hoon Shin, Dong Yun Kim, Tae Won Park, Jea Min Cho, Taegyun Park* and Cheol Seong Hwang*

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FluMag-SELEX derived specific individual aptamers can fluorescently label the ageing immanent protein-crosslinker glucosepane in diabetic mouse tissues

Runliu Li, Bastian Draphoen, Mika Lindén, Karmveer Singh, Karin Scharffetter-Kochanek, Andreas Stürmer, Frank Rosenau* and Ann-Kathrin Kissmann*



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Tunable directional thermal emission using a phase change material-based multilayer structure

Kandammathe Valiyaveedu Sreekanth,*
Qing Yang Steve Wu, Sambhu Jana,
Ranjan Singh and Jinghua Teng*

