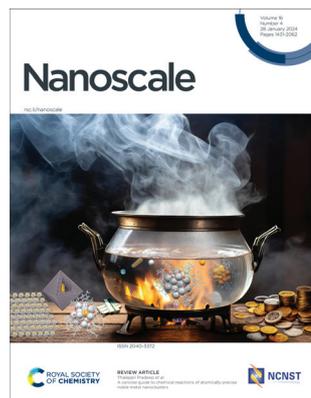


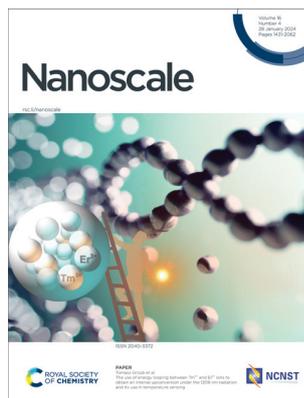
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See Thalappil Pradeep *et al.*,
pp. 1446–1470.

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See Tomasz Grzyb *et al.*,
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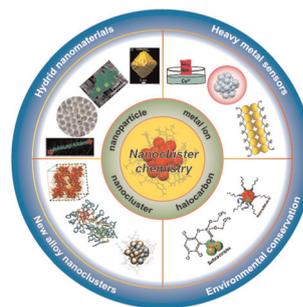
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REVIEWS

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A concise guide to chemical reactions of atomically precise noble metal nanoclusters

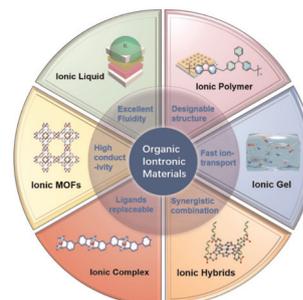
Paulami Bose, Krishnadas Kumaranchira Ramankutty, Papri Chakraborty, Esma Khatun and Thalappil Pradeep*



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Organic iontronic memristors for artificial synapses and bionic neuromorphic computing

Yang Xia, Cheng Zhang,* Zheng Xu, Shuanglong Lu, Xinli Cheng,* Shice Wei, Junwei Yuan, Yanqiu Sun* and Yang Li*



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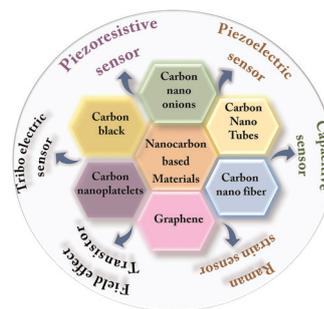
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Nanocarbon-based sensors for the structural health monitoring of smart biocomposites

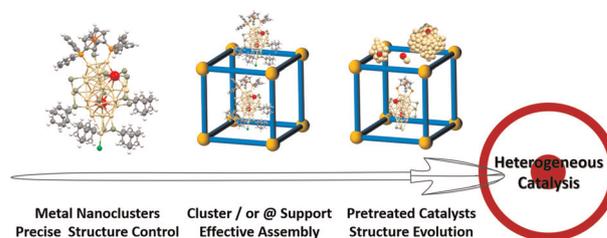
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Structure control and evolution of atomically precise gold clusters as heterogeneous precatalysts

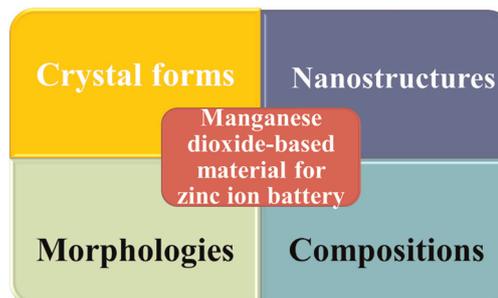
Bei Zhang,* Chengcheng Xia, Jinhui Hu, Hongting Sheng and Manzhou Zhu*



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Recent development of manganese dioxide-based materials as zinc-ion battery cathode

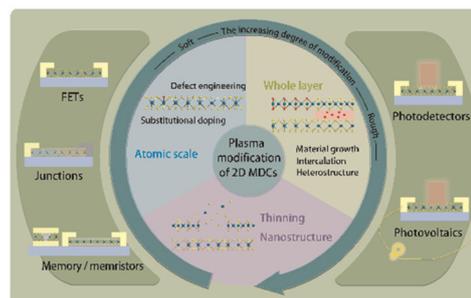
Shaofeng Jia, Le Li,* Yue Shi, Conghui Wang, Minghui Cao, Yongqiang Ji and Dan Zhang*



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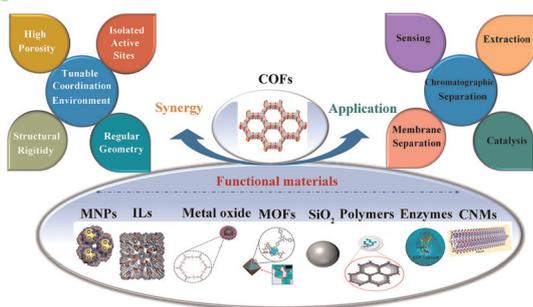
Recent progress in plasma modification of 2D metal chalcogenides for electronic devices and optoelectronic devices

Siying Tian, Dapeng Sun, Fengling Chen, Honghao Wang, Chaobo Li* and Chujun Yin*



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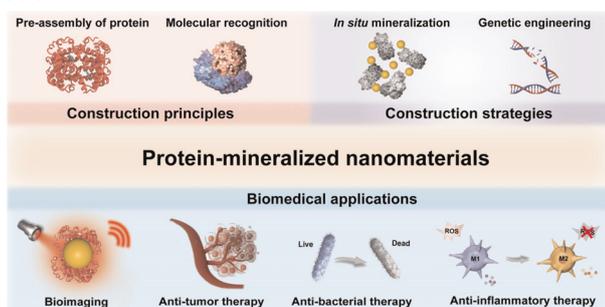


Recent progress in the synthesis and applications of covalent organic framework-based composites

Mingxuan Ma, Yonghao Yang, Zhonghua Huang, Fuhong Huang, Quanliang Li and Hongyu Liu*

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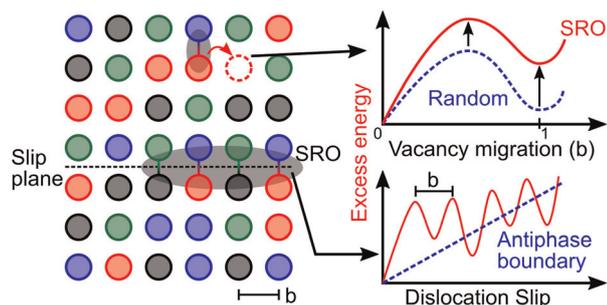
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Protein-guided biomimetic nanomaterials: a versatile theranostic nanoplatform for biomedical applications

Da-Gui Zhang, Yu-Jing Pan, Biao-Qi Chen,* Xiao-Chang Lu, Qin-Xi Xu, Pei Wang, Ranjith Kumar Kankala, Ni-Na Jiang, Shi-Bin Wang and Ai-Zheng Chen*

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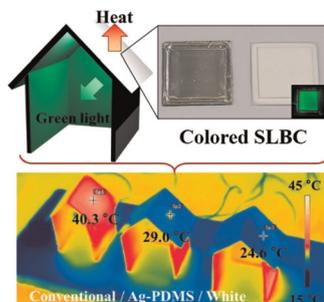


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Smart building block with colored radiative cooling devices and quantum dot light emitting diodes

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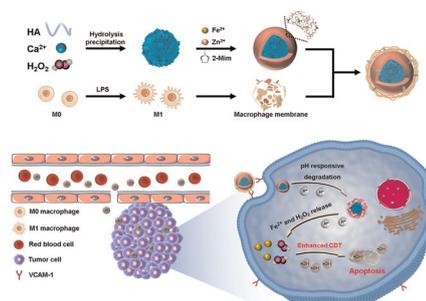


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Macrophage-membrane-coated hybrid nanoparticles with self-supplied hydrogen peroxide for enhanced chemodynamic tumor therapy

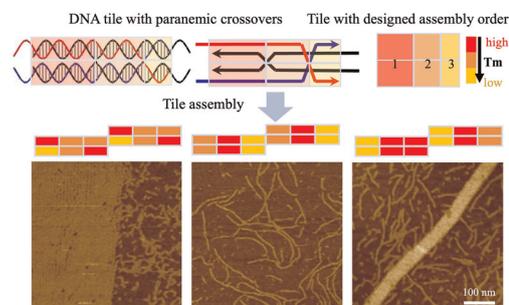
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Self-assembly of DNA parallel double-crossover motifs

Jung Yeon Lee, Qi Yang, Xu Chang, Maciej Jeziorek, Devanathan Perumal, Tiffany R. Olivera, Jean-Pierre Etchegaray and Fei Zhang*

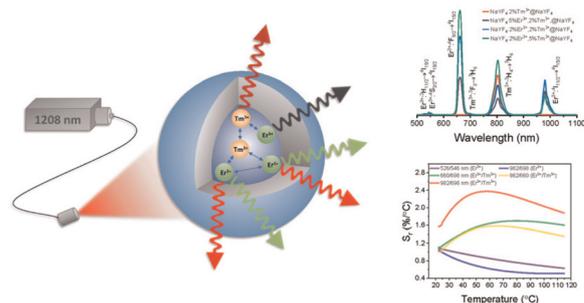


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The use of energy looping between Tm^{3+} and Er^{3+} ions to obtain an intense upconversion under the 1208 nm radiation and its use in temperature sensing

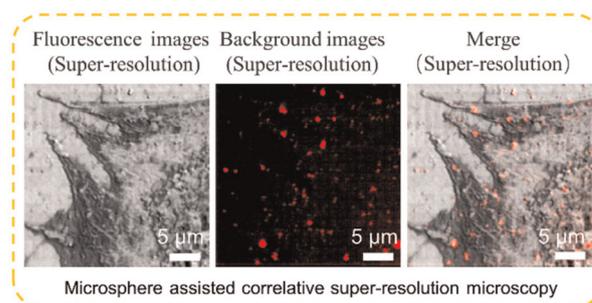
Tomasz Grzyb,* Inocencio R. Martín and Radian Popescu



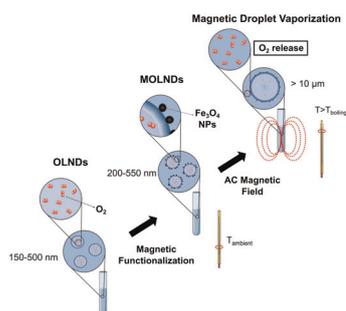
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Correlative super-resolution bright-field and fluorescence imaging by microsphere assisted microscopy

Hao Luo, Chaodi Jiang, Yangdong Wen, Xiaoduo Wang, Feifei Wang, Lianqing Liu and Haibo Yu*



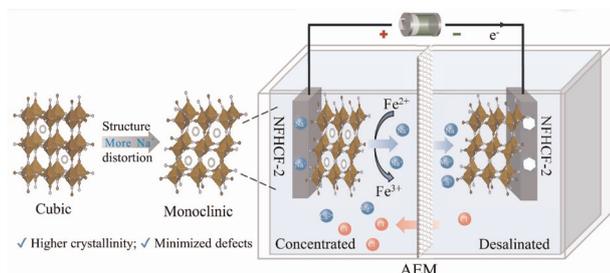
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Dual-responsive magnetic nanodroplets for controlled oxygen release *via* ultrasound and magnetic stimulation

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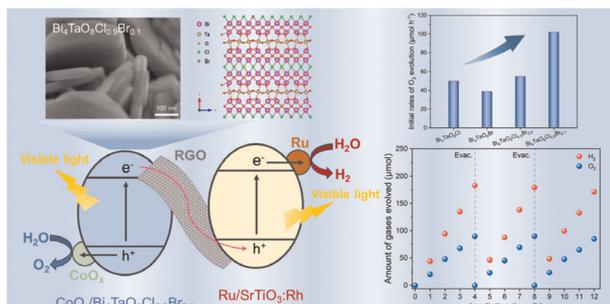
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Structural distortion-induced monoclinic sodium iron hexacyanoferrate as a high-performance electrode for rocking-chair desalination batteries

Yuliang Wu, Junkun Huang, Chaolin Li and Wenhui Wang*

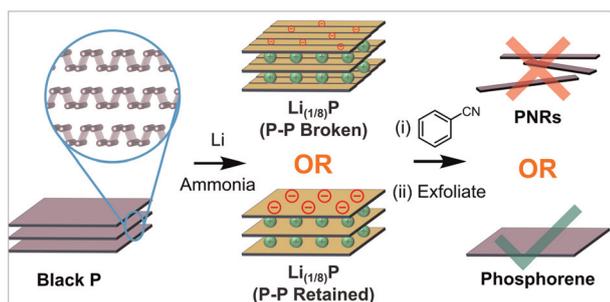
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Modification of an oxyhalide solid-solution photocatalyst with an efficient O₂-evolving cocatalyst and electron mediator for two-step photoexcitation overall water splitting

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Investigating the mechanism of phosphorene nanoribbon synthesis by discharging black phosphorus intercalation compounds

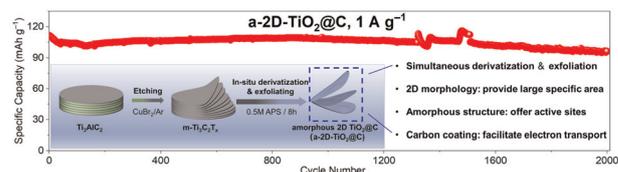
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Simultaneous derivatization and exfoliation of a multilayered $\text{Ti}_3\text{C}_2\text{T}_x$ MXene into amorphous TiO_2 nanosheets for stable K-ion storage

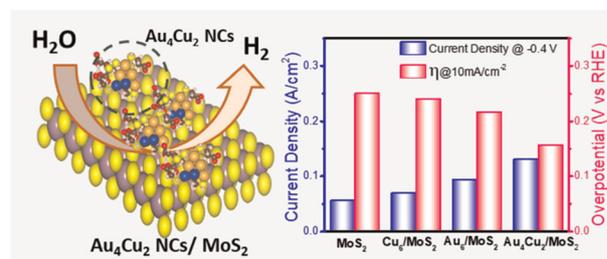
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Insights of the efficient hydrogen evolution reaction performance in bimetallic Au_4Cu_2 nanoclusters

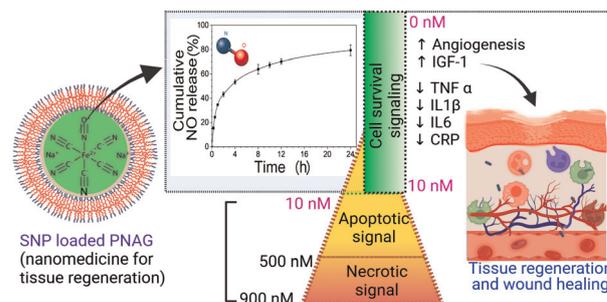
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Nitric oxide releasing novel amino acid-derived polymeric nanotherapeutic with anti-inflammatory properties for rapid wound tissue regeneration

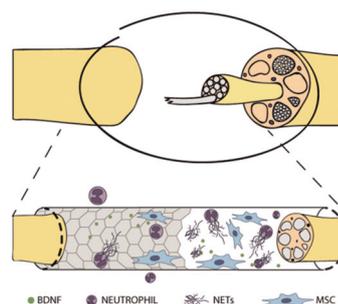
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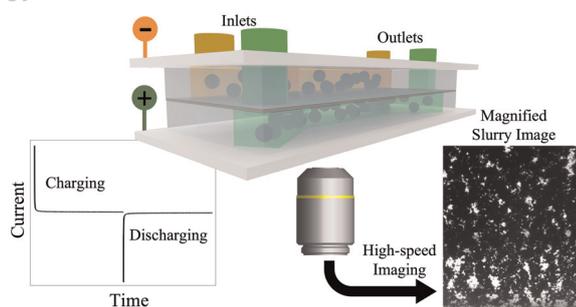
Interaction of graphene and WS_2 with neutrophils and mesenchymal stem cells: implications for peripheral nerve regeneration

Domenica Convertino,* Martina Nencioni, Lara Russo, Neeraj Mishra, Vesa-Matti Hiltunen, Maria Sofia Bertilacchi, Laura Marchetti, Chiara Giacomelli,* Maria Letizia Trincavelli and Camilla Coletti*



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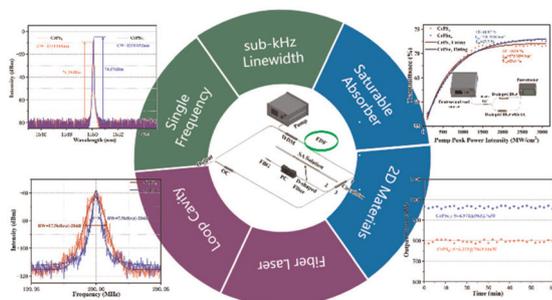
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Direct observation of carbon slurry flow behavior and its effect on electrochemical performance in a microfluidic electrochemical flow capacitor

Brandon Stacks, Alberto Esteban-Linares, Matthew Galazzo, Haoxiang Luo* and Deyu Li*

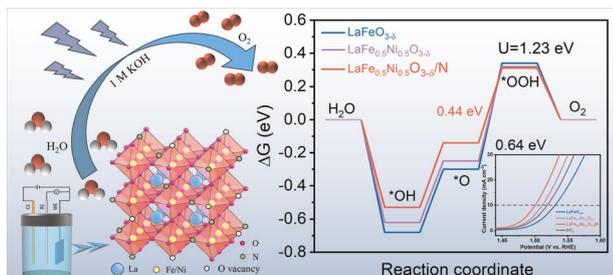
1817



Single-frequency fiber lasers based on metal thiophosphites with sub-kHz linewidths

Yiyu Gan, Wenyao Zhang and Qiao Wen*

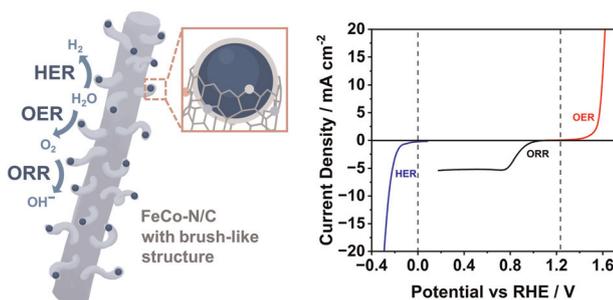
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A motif for B/O-site modulation in LaFeO₃ towards boosted oxygen evolution

Wenli Kang, Zhishan Li,* Jinsong Wang, Shaopeng Wu, Yiguang Gai, Guanghao Wang, Zhouhang Li, Xing Zhu, Tao Zhu, Hua Wang, Kongzhai Li* and Chundong Wang

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Trifunctional electrocatalysts based on a bimetallic nanoalloy and nitrogen-doped carbon with brush-like heterostructure

Yuyun Irmawati, Davin Adinata Tan, Faliyah Balqis, Ferry Iskandar and Afriyanti Sumboja*

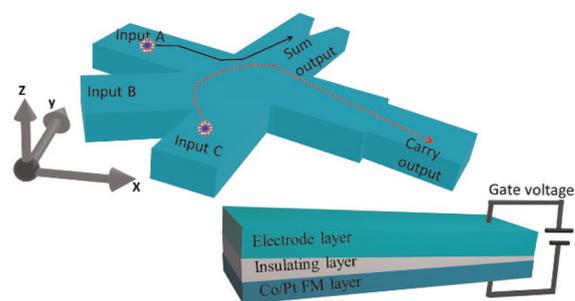


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Voltage-controlled magnetic anisotropy gradient-driven skyrmion-based half-adder and full-adder

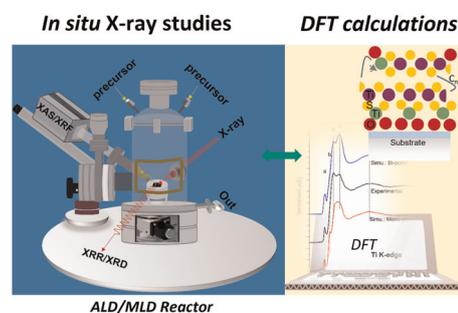
Sarwath Sara, Chandrasekhar Murapaka and Arabinda Haldar*



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Quantitative *in situ* synchrotron X-ray analysis of the ALD/MLD growth of transition metal dichalcogenide TiS_2 ultrathin films

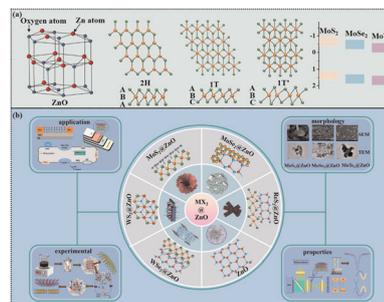
Ashok-Kumar Yadav,* Weiliang Ma, Petros Abi Younes, Gianluca Ciatto,* Nicolas Gauthier, Evgeniy Skopin, Elsje Alessandra Quadrelli, Nathanaelle Schneider and Hubert Renevier



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Defect and interface/surface engineering synergistically modulated electron transfer and nonlinear absorption properties in MoX_2 ($X = \text{Se}, \text{S}, \text{Te}$)@ ZnO heterojunction

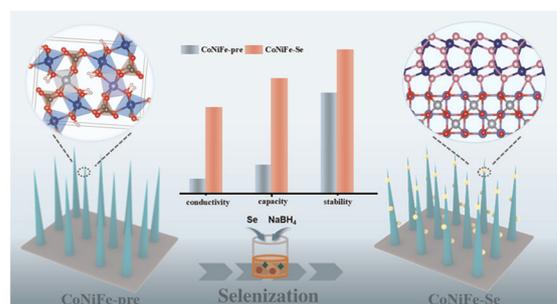
Yu Liu, Hong-Yu Li, Hong-Xu Cao, Xin-Yu Zheng, Bing-Yin Shi and Hai-Tao Yin*



1880

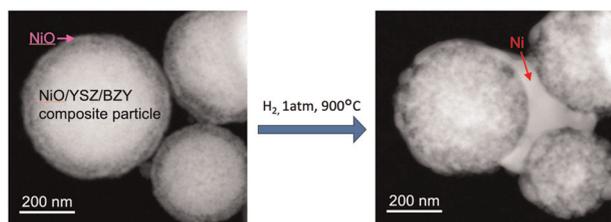
A Se-induced heterostructure electrode with polymetallic-CoNiFe towards high performance supercapacitors

Liyun Zhao, Haoran Guo, Yanyan Li, Zhengyuan Liu and Rui Song*



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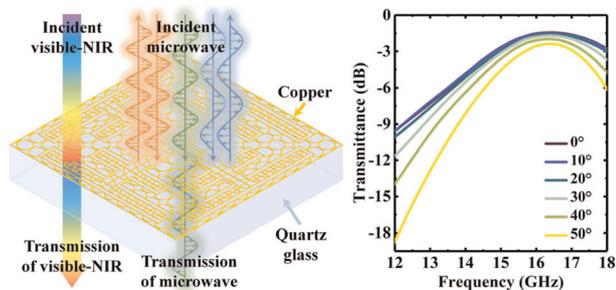
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Visualization of the structural transformation of NiO/YSZ/BZY nanocomposite particles using *in situ* gas environmental transmission electron microscopy

Zheng Liu* and Hiroyuki Shimada

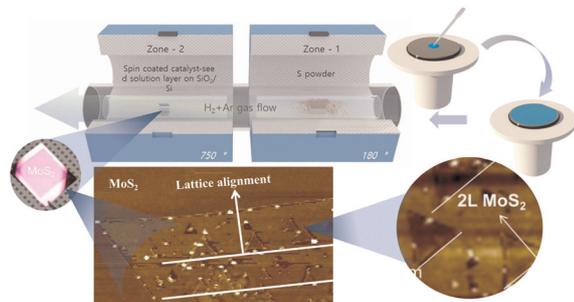
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A visible-near-infrared transparent miniaturized frequency-selective metasurface with a microwave transmission window

Yilei Zhang, Bowen Zhang, Zhengang Lu,* Heyan Wang, Lin Han and Jiubin Tan

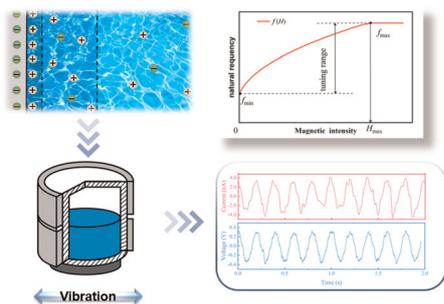
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Liquid-phase catalyst pre-seeding for controlled growth of layered MoS₂ films over a large area *via* chemical vapor deposition

Zhiyi Lyu, Yongteng Qian, Qianwen Zhang, Zhenxing Fang and Dae Joon Kang*

1915



A tuned triboelectric nanogenerator using a magnetic liquid for low-frequency vibration energy harvesting

Xiaorui Yang,* Hao Zheng, Haobo Ren, Guoqing An, Yumeng Zhang and Wenrong Yang

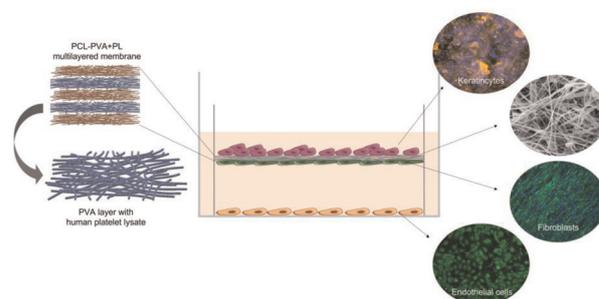


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A novel bifunctional multilayered nanofibrous membrane combining polycaprolactone and poly (vinyl alcohol) enriched with platelet lysate for skin wound healing

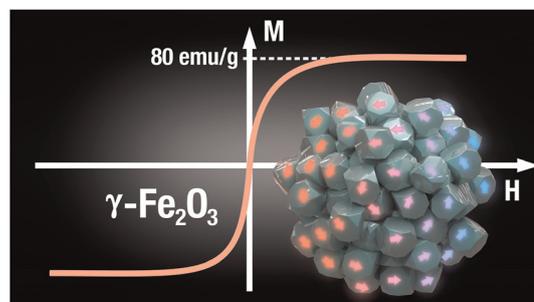
Andreu Blanquer,* Eva Kuzelova Kostakova, Elena Filova, Maxim Lisnenko, Antonin Broz, Jana Mullerova, Vit Novotny, Kristyna Havlickova, Sarka Jakubkova, Sarka Hauzerova, Bohdana Heczko, Renata Prochazkova, Lucie Bacakova and Vera Jencova



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Unveiling the crystal and magnetic texture of iron oxide nanoflowers

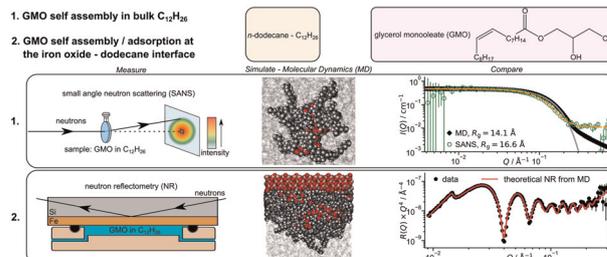
Carlos Moya,* Mariona Escoda-Torroella, Javier Rodríguez-Álvarez, Adriana I. Figueroa, Íker García, Inés Batalla Ferrer-Vidal, A. Gallo-Cordova, M. Puerto Morales, Lucía Aballe, Arantxa Fraile Rodríguez, Amílcar Labarta and Xavier Batlle*



1952

Experimental and simulation study of self-assembly and adsorption of glycerol monooleate in *n*-dodecane with varying water content onto iron oxide

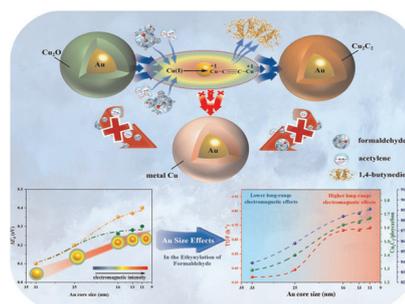
Alexander J. Armstrong, Rui F. G. Apóstolo, Thomas M. McCoy, Finian J. Allen, James Douth, Beatrice N. Cattoz, Peter J. Dowding, Rebecca J. L. Welbourn, Alexander F. Routh and Philip J. Camp*



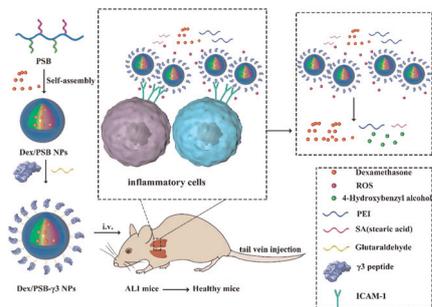
1971

Dependence of copper(i) stability on long-range electromagnetic effects of Au under reducing atmospheres: the size effect of Au cores

Xin Huang, Haitao Li,* Bin Zhang, Yin Zhang, Hao Wang, Lijun Ban, Yixuan Xu and Yongxiang Zhao*



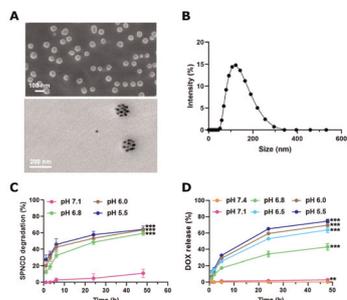
1983



ICAM-1 targeted and ROS-responsive nanoparticles for the treatment of acute lung injury

Yu Ran, Shanmei Yin, Pei Xie, Yaxue Liu, Ying Wang and Zongning Yin*

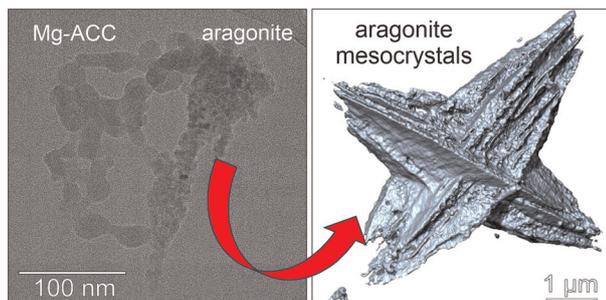
1999



Anti-tumor effect of pH-sensitive drug-loaded nanoparticles optimized via an integrated computational/experimental approach

Hunter A. Miller, Yapei Zhang, Bryan Ronain Smith* and Hermann B. Frieboes*

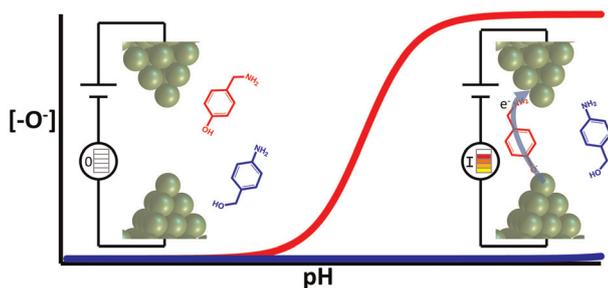
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Formation and properties of spindle-shaped aragonite mesocrystals from Mg-bearing solutions

Zsombor Molnár,* Péter Pekker, Aleksander Rečnik and Mihály Pósfai

2022



Phenol is a pH-activated linker to gold: a single molecule conductance study

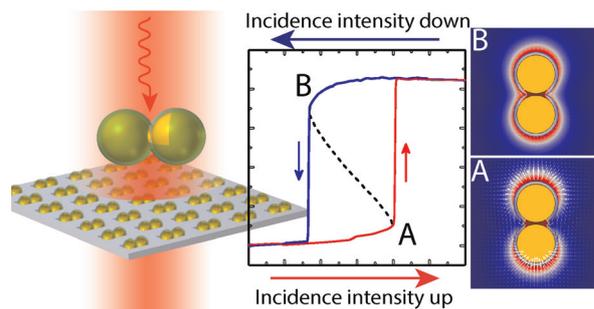
Brent Lawson, Hannah E. Skipper and Maria Kamenetska*



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Gap-enhanced optical bistability in plasmonic core–nonlinear shell dimers

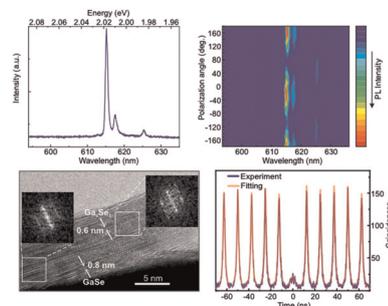
Artyom Movsisyan and Henrik Parsamyan*



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Allotropic Ga₂Se₃/GaSe nanostructures grown by van der Waals epitaxy: narrow exciton lines and single-photon emission

Maxim Rakhlin, Sergey Sorokin, Aidar Galimov, Ilya Eliseyev, Valery Davydov, Demid Kirilenko, Alexey Toropov and Tatiana Shubina*



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Automated statistical analysis of raman spectra of nanomaterials

Natalia Martín Sabanés,* Matthew D. Eaton, Sara Moreno-Da Silva, Alicia Naranjo and Emilio M. Pérez*

