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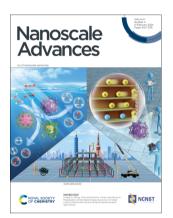
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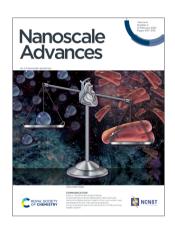
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See Cheng-Yu Wang, Tomoyuki Kurioka, Yung-Jung Hsu et al., pp. 1039-1058. Image reproduced by permission of Yung-Jung Hsu from Nanoscale Adv., 2024, 6, 1039.



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See Irene C. Turnbull and Angelo Gaitas, pp. 1059-1064. Image reproduced by permission of Irene C. Turnbull and Angelo Gaitas from Nanoscale Adv., 2024, 6, 1059. Used with permission of @Mount Sinai Health System. Cover illustration created by Jill K. Gregory.

EDITORIAL

1037

Introduction to advances in multicomponent plasmonic hybrid nanoarchitectures for versatile applications

Hao Jing*

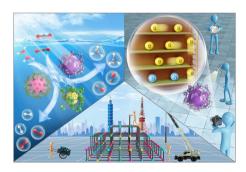


MINIREVIEW

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Manipulation of interfacial charge dynamics for metal-organic frameworks toward advanced photocatalytic applications

Chien-Yi Wang, Huai-En Chang, Cheng-Yu Wang,* Tomoyuki Kurioka,* Chun-Yi Chen, Tso-Fu Mark Chang, Masato Sone and Yung-Jung Hsu*





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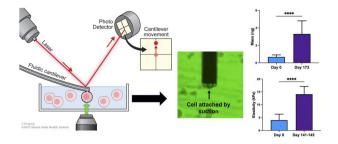


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Characterizing induced pluripotent stem cells and derived cardiomyocytes: insights from nano scale mass measurements and mechanical properties

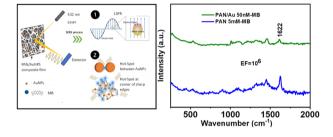
Irene C. Turnbull* and Angelo Gaitas*



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Polyacrylonitrile as a versatile matrix for gold nanoparticle-based SERS substrates

Saloni Sharma, Rajesh Kumar* and Ram Manohar Yadav*

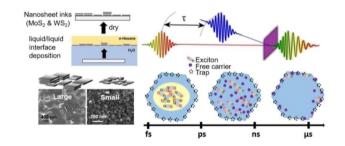


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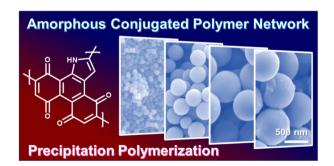
Floriana Morabito,* Kevin Synnatschke, Jake Dudley Mehew, Sebin Varghese, Charles James Sayers, Giulia Folpini, Annamaria Petrozza, Giulio Cerullo, Klaas-Jan Tielrooij, Jonathan Coleman, Valeria Nicolosi and Christoph Gadermaier*



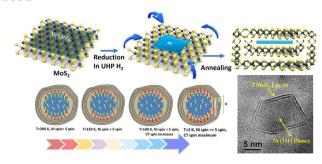
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Morphology and size control of an amorphous conjugated polymer network containing quinone and pyrrole moieties via precipitation polymerization

Ryuto Sugiura, Hiroaki Imai and Yuya Oaki*

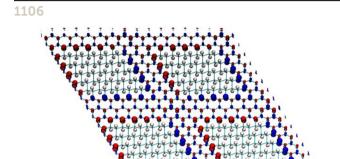


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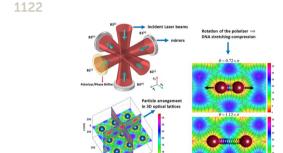
Interfacial negative magnetization in Ni encapsulated layer-tunable nested MoS₂ nanostructure with robust memory applications

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The chimera of 2D- and 1D-graphene magnetization by hydrogenation or fluorination: critically revisiting old schemes and proposing new ones by ab initio methods

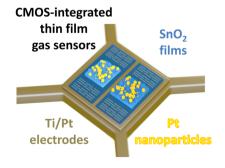
Andrea Albino, Francesco Buonocore, Massimo Celino and Federico Totti*



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Mohammadbagher Mohammadnezhad, Salah Raza Saeed, Sarkew Salah Abdulkareem and Abdollah Hassanzadeh*

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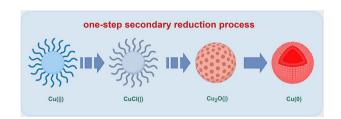
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Study on the preparation of ascorbic acid reduced ultrafine copper powders in the presence of different protectants and the properties of copper powders based on methionine protection

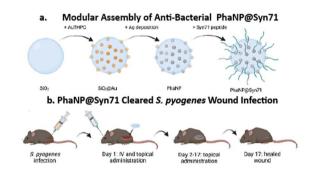
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Antimicrobial peptide-conjugated phage-mimicking nanoparticles exhibit potent bactericidal action against Streptococcus pyogenes in murine wound infection models

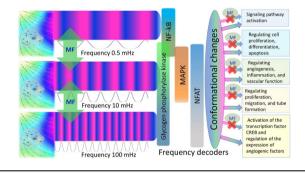
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Modulation of calcium signaling and metabolic pathways in endothelial cells with magnetic fields

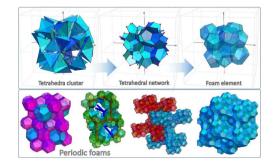
Oksana Gorobets,* Svitlana Gorobets, Tatyana Polyakova and Vitalii Zablotskii*



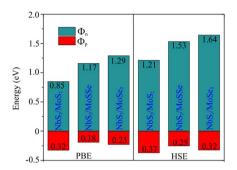
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Tetrahedron clusters serving as a platform for foamlike structure design

Jacek Jenczyk*



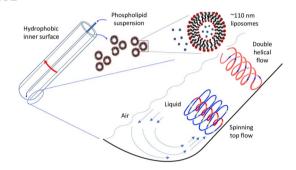
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Theoretical prediction of electronic properties and contact barriers in a metal/semiconductor NbS₂/ Janus MoSSe van der Waals heterostructure

P. H. Nha, Chuong V. Nguyen, Nguyen N. Hieu, Huynh V. Phuc* and Cuong Q. Nguyen*

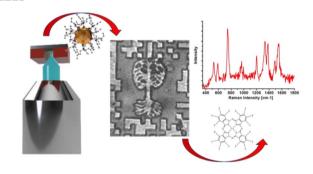
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Vortex fluidic regulated phospholipid equilibria involving liposomes down to sub-micelle size assemblies

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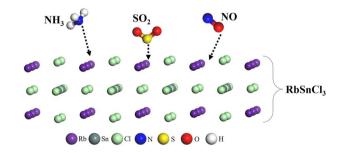
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Direct laser induced writing of high precision gold nanosphere SERS patterns

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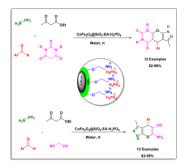
A first principles study of RbSnCl₃ perovskite toward NH₃, SO₂, and NO gas sensing

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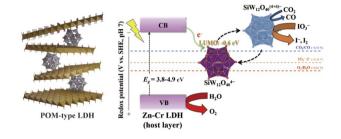
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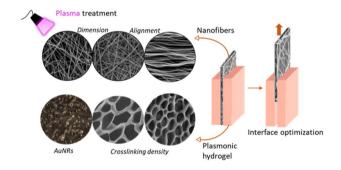
Xiaotong Zhao, Haoyang Jiang,* Yongcheng Xiao and Miao Zhong*



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Developing strategies to optimize the anchorage between electrospun nanofibers and hydrogels for multi-layered plasmonic biomaterials

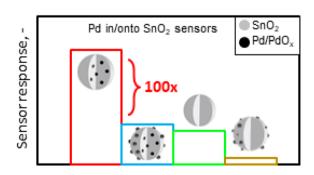
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Embedding Pd into SnO₂ drastically enhances gas sensing

Katarzyna Jabłczyńska, Alexander Gogos, Christian M. P. Kubsch and Sotiris E. Pratsinis*



CORRECTIONS

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Correction: Effect of pomelo seed-derived carbon on the performance of supercapacitors

Zhenyao Yin, Yaping Xu, Jinggao Wu and Jing Huang*

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Correction: A hierarchical porous P-doped carbon electrode through hydrothermal carbonization of pomelo valves for high-performance supercapacitors

Jing Huang,* Jie Chen, Zhenyao Yin and Jinggao Wu

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Correction: Celery-derived porous carbon materials for superior performance supercapacitors

Sirui Liu, Yaping Xu, Jinggao Wu and Jing Huang*

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Correction: Bio-inspired hierarchical nanoporous carbon derived from water spinach for high-performance supercapacitor electrode materials

Xinyu Lin, Yaping Xu, Jinggao Wu* and Jing Huang*