### Nanoscale Advances

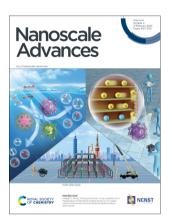
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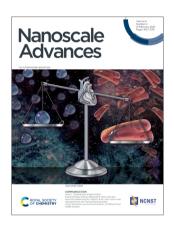
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See Cheng-Yu Wang, Tomoyuki Kurioka, Yung-Jung Hsu et al., pp. 1039-1058. Image reproduced by permission of Yung-Jung Hsu from Nanoscale Adv., 2024, 6, 1039.



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#### **EDITORIAL**

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Introduction to advances in multicomponent plasmonic hybrid nanoarchitectures for versatile applications

Hao Jing\*

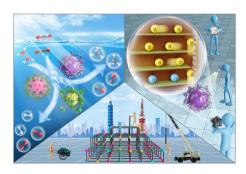


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Manipulation of interfacial charge dynamics for metal-organic frameworks toward advanced photocatalytic applications

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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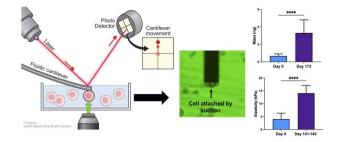


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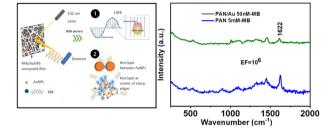
Irene C. Turnbull\* and Angelo Gaitas\*



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

Saloni Sharma, Rajesh Kumar\* and Ram Manohar Yadav\*

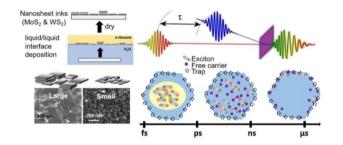


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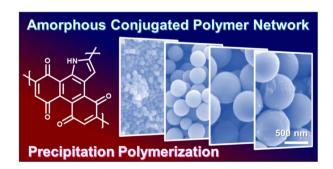
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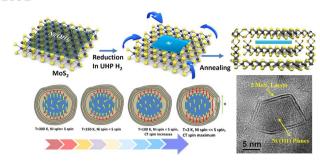
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Morphology and size control of an amorphous conjugated polymer network containing quinone and pyrrole moieties via precipitation polymerization

Ryuto Sugiura, Hiroaki Imai and Yuya Oaki\*



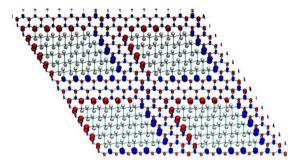
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#### Interfacial negative magnetization in Ni encapsulated layer-tunable nested MoS<sub>2</sub> nanostructure with robust memory applications

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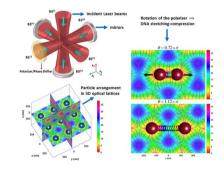
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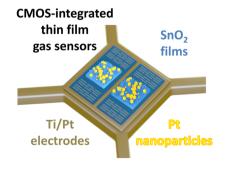
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Mohammadbagher Mohammadnezhad, Salah Raza Saeed, Sarkew Salah Abdulkareem and Abdollah Hassanzadeh\*

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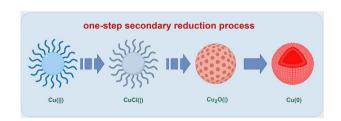
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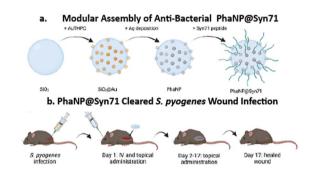
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Antimicrobial peptide-conjugated phage-mimicking nanoparticles exhibit potent bactericidal action against Streptococcus pyogenes in murine wound infection models

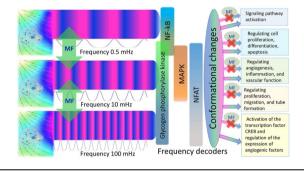
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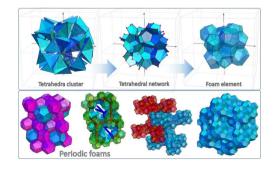
Oksana Gorobets,\* Svitlana Gorobets, Tatyana Polyakova and Vitalii Zablotskii\*



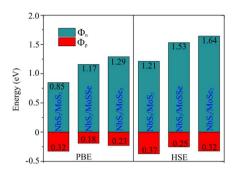
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Tetrahedron clusters serving as a platform for foamlike structure design

Jacek Jenczyk\*



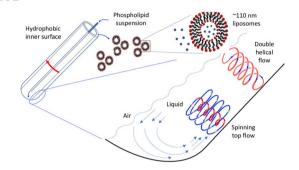
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# Theoretical prediction of electronic properties and contact barriers in a metal/semiconductor NbS<sub>2</sub>/ Janus MoSSe van der Waals heterostructure

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

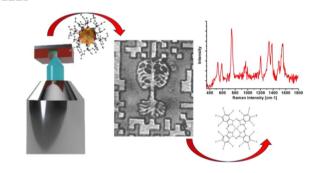
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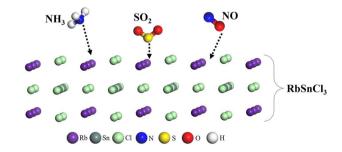
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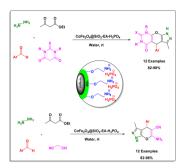
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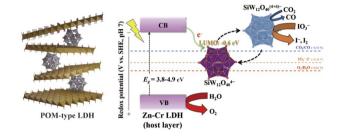
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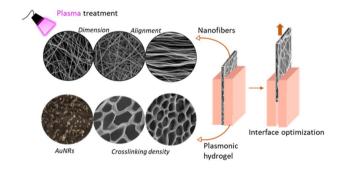
Xiaotong Zhao, Haoyang Jiang,\* Yongcheng Xiao and Miao Zhong\*



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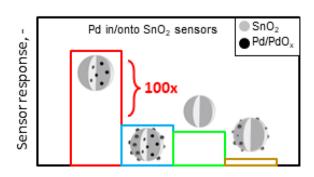
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Katarzyna Jabłczyńska, Alexander Gogos, Christian M. P. Kubsch and Sotiris E. Pratsinis\*



#### 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\*

#### 1271

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\*