

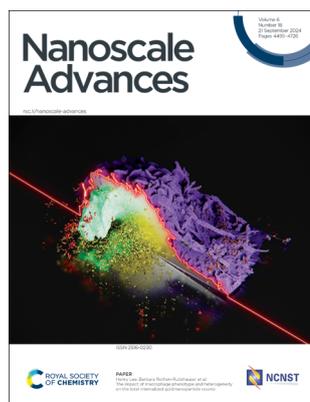
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ISSN 2516-0230 CODEN NAADAI 6(18) 4495–4726 (2024)



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See Henry Lee, Barbara Rothen-Rutishauser *et al.*, pp. 4572–4582. Image reproduced by permission of Barbara Rothen-Rutishauser from *Nanoscale Adv.*, 2024, 6, 4572.



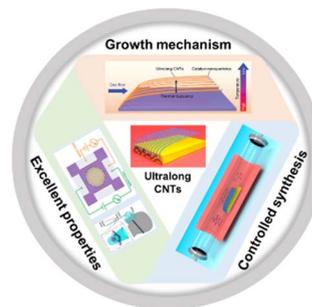
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Controlled synthesis, properties, and applications of ultralong carbon nanotubes

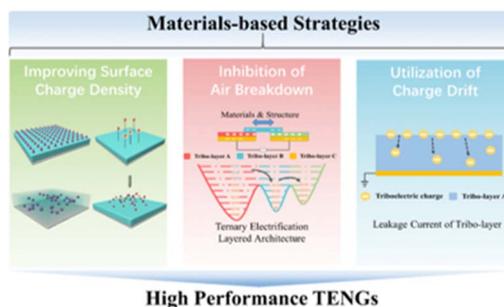
Kangkang Wang, Fei Wang, Qinyuan Jiang, Ping Zhu, Khaixien Leu and Rufan Zhang*



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A review of material design for high performance triboelectric nanogenerators: performance improvement based on charge generation and charge loss

Xiaochuan Li, Qianxi Yang, Dahu Ren, Qianying Li, Huake Yang, Xuemei Zhang and Yi Xi*



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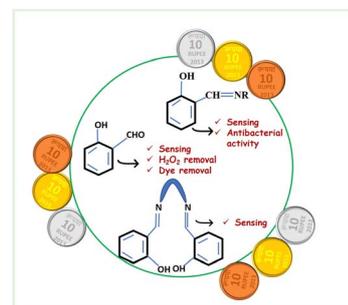
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REVIEWS

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Recent applications of coinage metal nanoparticles passivated with salicylaldehyde and salicylaldehyde-based Schiff bases

Mamta Sahu, Mainak Ganguly* and Priyanka Sharma

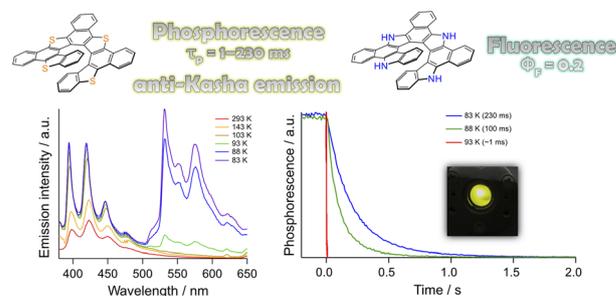


COMMUNICATION

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Impacts of heteroatom substitution on the excited state dynamics of π -extended helicenes

Yuto Kondo, Yusuke Tsutsui,* Yusuke Matsuo, Takayuki Tanaka* and Shu Seki*



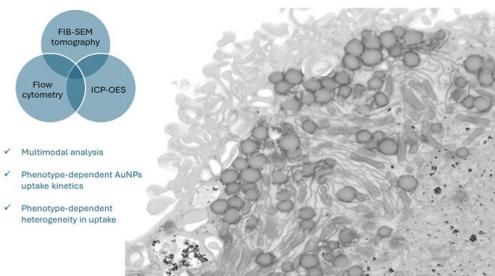
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The impact of macrophage phenotype and heterogeneity on the total internalized gold nanoparticle counts

Henry Lee, Dimitri Vanhecke, Sandor Balog, Patricia Taladriz-Blanco, Alke Petri-Fink and Barbara Rothen-Rutishauser*

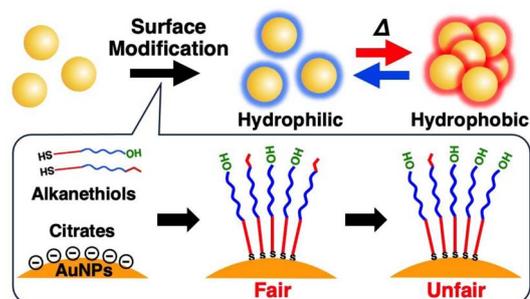
Quantification of gold nanoparticles in human monocyte-derived macrophages



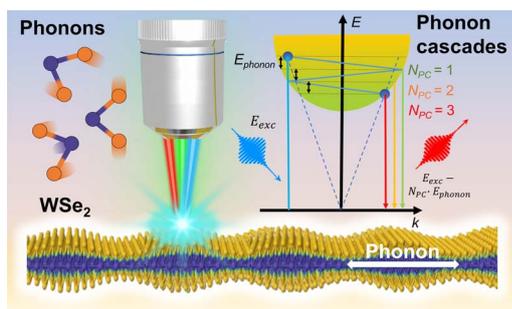
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Fair surface modification with mixed alkanethiols on gold nanoparticles through minimal unfair ligand exchange

Kun Xiong, Masaharu Nagayama, Kuniharu Ijiri and Hideyuki Mitomo*



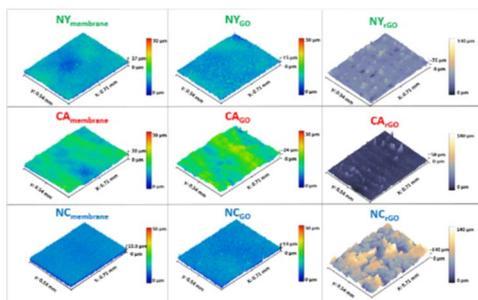
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Unveiling the complex phonon nature and phonon cascades in 1L to 5L WSe₂ using multiwavelength excitation Raman scattering

Claire Blaga, Ángel Labordet Álvarez, Akshay Balgarkashi, Mitali Banerjee, Anna Fontcuberta i Morral and Mirjana Dimitrievska*

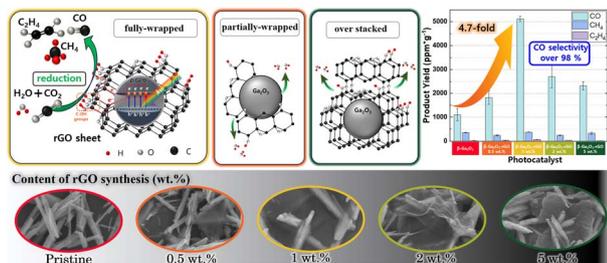
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The impact of different flexible substrates on the photothermal reduction quality of graphene oxide

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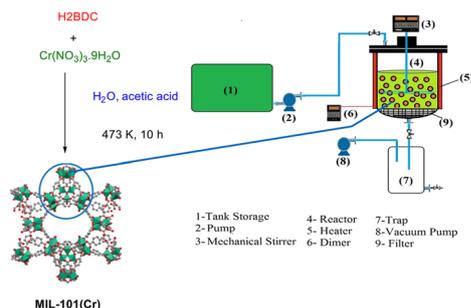
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Synergistic augmentation and fundamental mechanistic exploration of β -Ga₂O₃-rGO photocatalyst for efficient CO₂ reduction

Hye-In Jung, Hangeeol Choi, Yu-Jin Song, Jung Han Kim and Yohan Yoon*

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Application of MIL-101(Cr) for biofuel dehydration and process optimization using the central composite design method

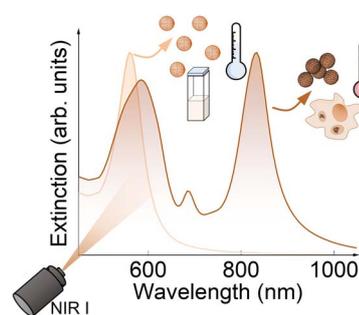
Parya Parak, Ahmad Nikseresht,* Masoud Mohammadi and Mohammad Saeid Emaminia



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Finite element modeling of plasmonic resonances in photothermal gold nanoparticles embedded in cells

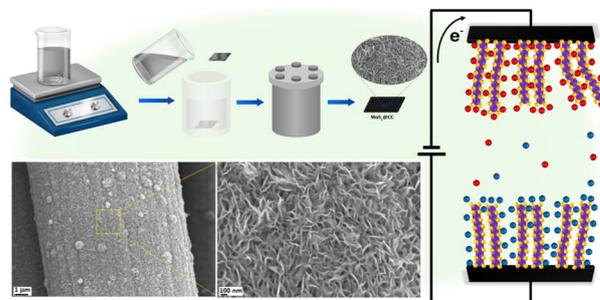
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Optimization and scalability assessment of supercapacitor electrodes based on hydrothermally grown MoS₂ on carbon cloth

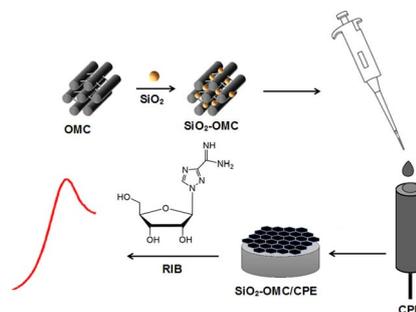
Jasna Mannayil,* Olli Pitkänen,* Minna Mannerkorpi and Krisztian Kordas



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An ordered mesoporous carbon–silica hybrid for the detection of the antiviral drug ribavirin in clinical samples

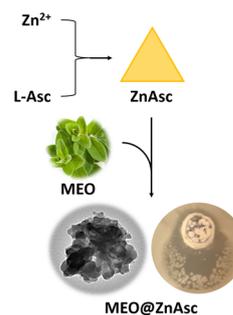
Amir Hosein Ali Naghian, Zahra Hashemi, Fereshteh Chekin* and Na'il Saleh*



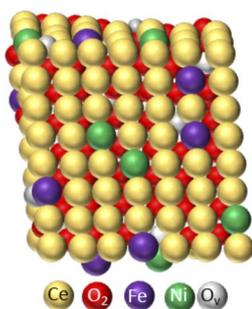
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Synergistic antioxidant and antibacterial effects of a Zn-ascorbate metal–organic framework loaded with marjoram essential oil

Rana R. Haikal, Noha El Salakawy, Alaa Ibrahim, Shaimaa L. Ali and Wael Mamdouh*



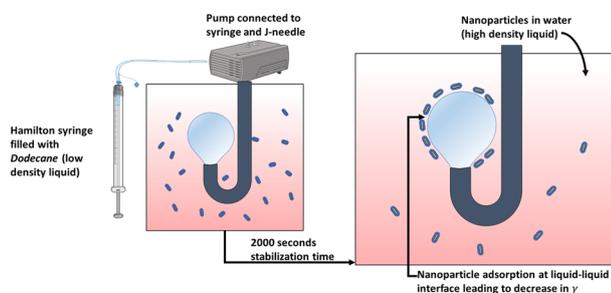
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Impact of morphology and oxygen vacancy content in Ni, Fe co-doped ceria for efficient electrocatalyst based water splitting

Abhaya Kumar Mishra, Joshua Willoughby, Shanna L. Estes, Keliann Cleary Kohler and Kyle S. Brinkman*

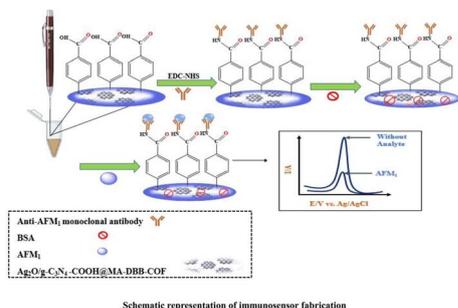
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Shape anisotropy induced jamming of nanoparticles at liquid interfaces: a tensiometric study

Chandan Kumar, Suman Bhattacharjee and Sunita Srivastava*

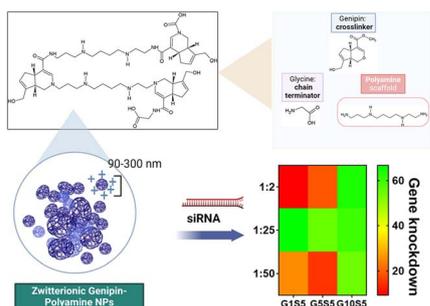
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A field-portable electrochemical immunosensor based on a multifunctional $\text{Ag}_2\text{O}/\text{g-C}_3\text{N}_4/\text{MA-DBB}$ covalent organic framework receptor interface for single-step detection of aflatoxin M_1 in raw milk samples

Iram Naz, Akhtar Hayat,* Farhat Jubeen,* Sadia Asim and Abida Kausar

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Efficient siRNA delivery to murine melanoma cells via a novel genipin-based nano-polymer

Giulia Della Pelle,* Tim Bozic, Marija Vukomanović, Gregor Sersa, Bostjan Markelc and Nina Kostevšek



CORRECTION

4724

Correction: Shape anisotropy induced jamming of nanoparticles at liquid interfaces: a tensiometric study

Chandan Kumar, Suman Bhattacharjee and Sunita Srivastava*

