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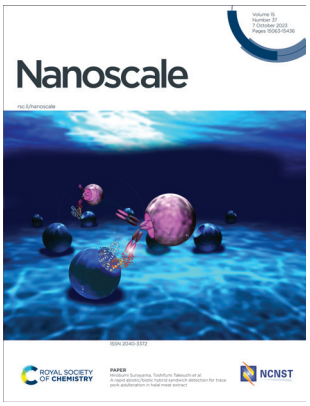

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See Hirobumi Sunayama, Toshifumi Takeuchi *et al.*, pp. 15171–15178.

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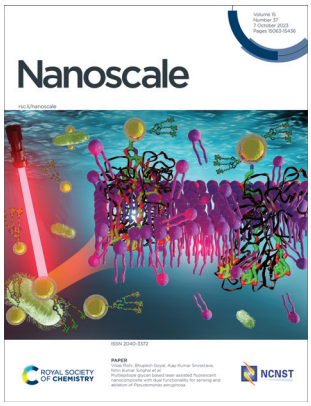

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See Vikas Rishi, Bhupesh Goyal, Ajay Kumar Srivastava, Nitin Kumar Singhal *et al.*, pp. 15179–15195.

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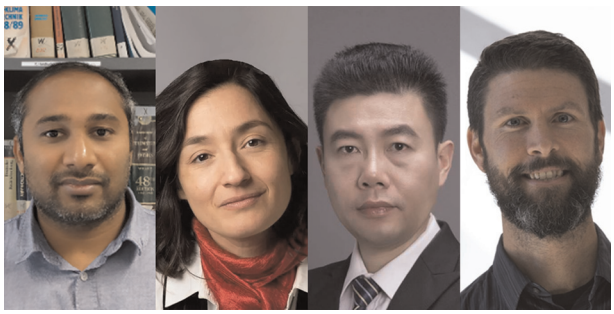
EDITORIAL



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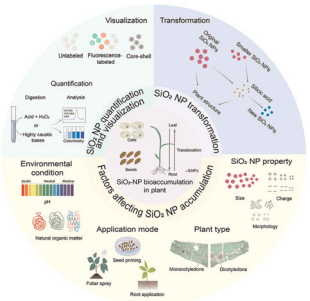

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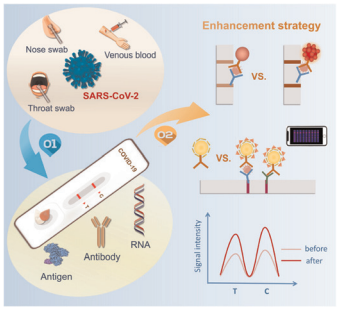

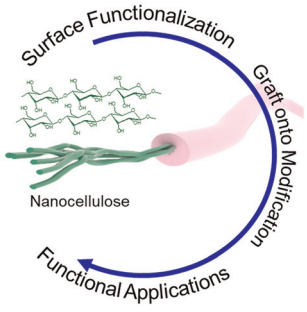

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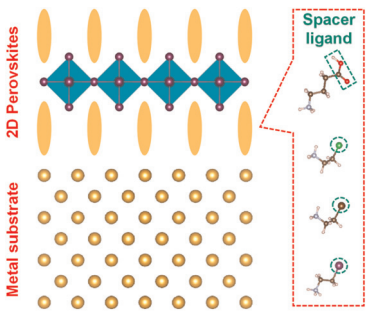

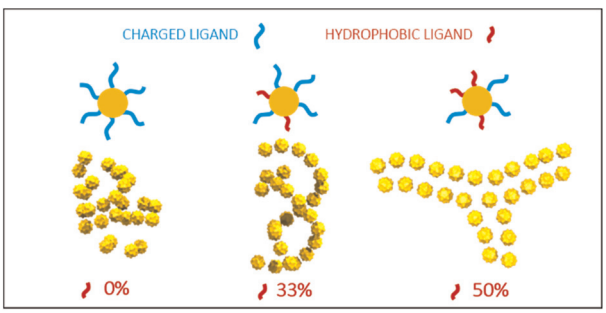

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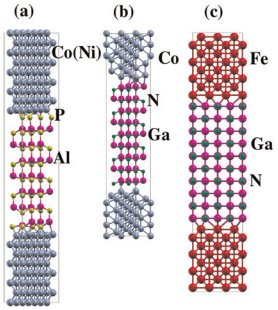

Potential of AlP and GaN as barriers in magnetic tunnel junctions

Gokaran Shukla,* Hasan M. Abdullah and Udo Schwingenschlögl*

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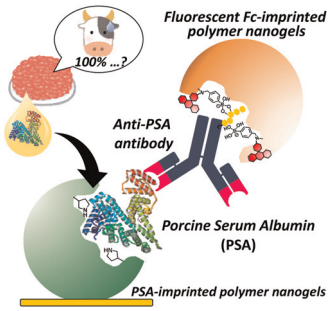
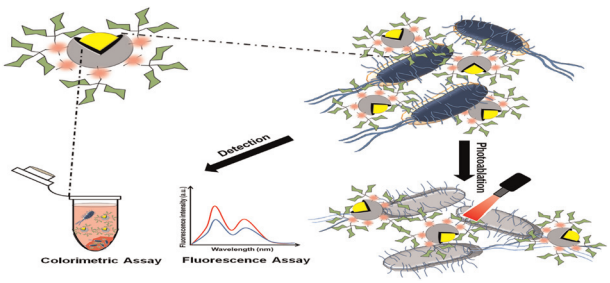


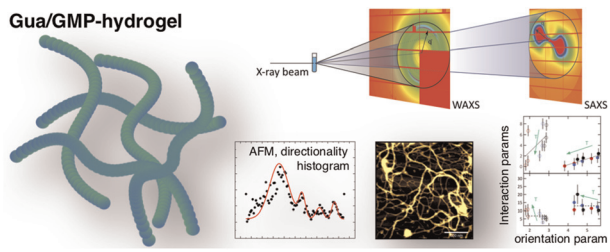
A rapid abiotic/biotic hybrid sandwich detection for trace pork adulteration in halal meat extract

Chehasan Cheubong, Hirobumi Sunayama,* Eri Takano, Yukiya Kitayama, Hideto Minami and Toshifumi Takeuchi*



Multiepitope glycan based laser assisted fluorescent nanocomposite with dual functionality for sensing and ablation of *Pseudomonas aeruginosa*

Priyanka Garg, Nitesh Priyadarshi, Mayur D. Ambule, Gurmeet Kaur, Sunaina Kaul, Ritika Gupta, Poonam Sagar, Geetika Bajaj, Binduma Yadav, Vikas Rishi,* Bhupesh Goyal,* Ajay Kumar Srivastava* and Nitin Kumar Singhal*



Self-oriented anisotropic structure of G-hydrogels as a delicate balance between attractive and repulsive forces

Alessia Pepe,* Paolo Moretti, Juliana S. Yoneda, Federica Carducci, Rosangela Itri and Paolo Mariani*

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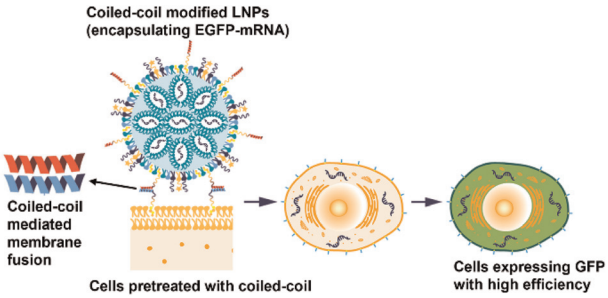

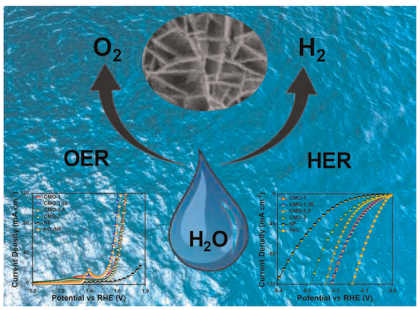

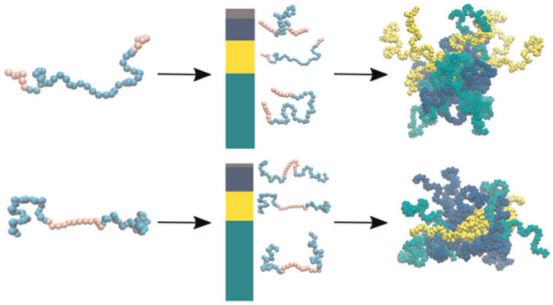

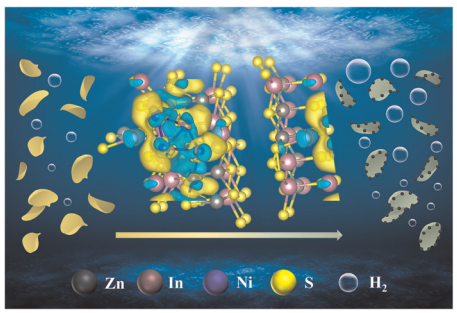

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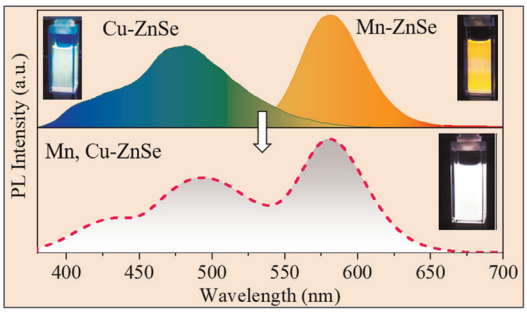

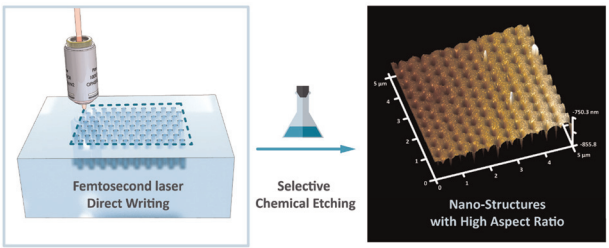

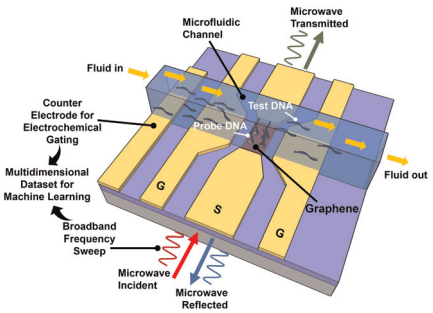

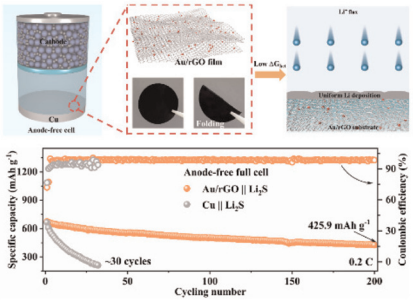

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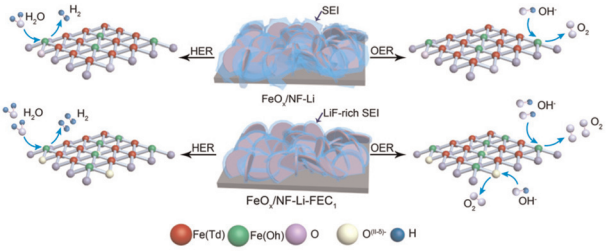

Electrolyte modification method induced atomic arrangement in FeO_x/NF nanosheets for efficient overall water splitting

Xiaoping Zhang,* Xiaonan Fu, Weifeng Tian, Yanzhi Bai, Liya Zhu* and Junwen Si

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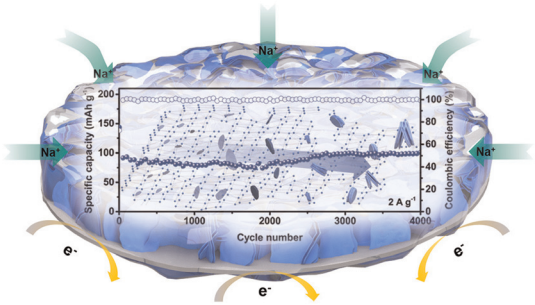

Synchronous embedded growth of Mo_2C nanodisk arrays immobilized on porous carbon nanosheets for ultra-stable sodium storage

Minyu Jia, Jingxuan Wei, Yamin Zhang, Linrui Hou, Jinfeng Sun* and Changzhou Yuan*

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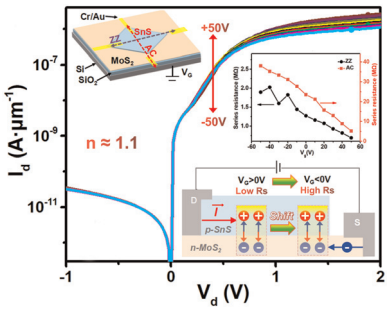

Anisotropic charge transfer and gate tuning for p-SnS/n-MoS_2 vertical van der Waals diodes

Hui Yuan, Ruihan Xu, Jiale Ren, Jielin Yang, Shouyang Wang, Dongwen Tian, Yingshuang Fu, Quan Li,* Xiaoniu Peng and Xina Wang*

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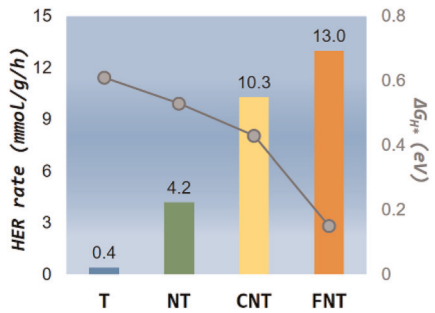

Synergistic material modification-induced optimization of interfacial charge transfer and surface hydrogen adsorption

Mingyan Du, Lingling Cui, Panpan Wang, Chunyao Niu,* Young Soo Kang and Xiao Li Zhang*

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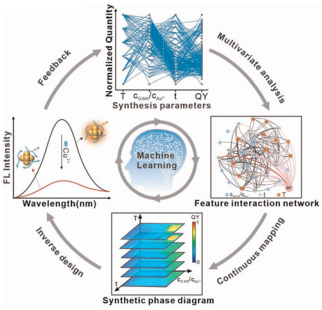

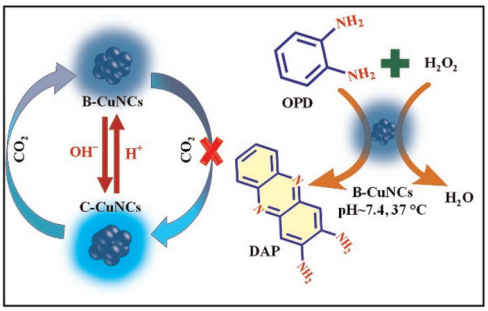

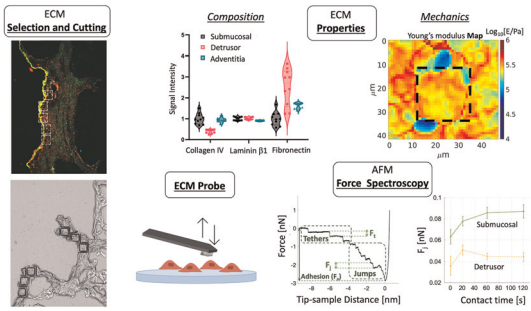

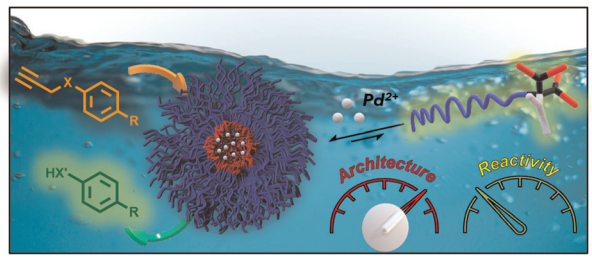

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