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IN THIS ISSUE

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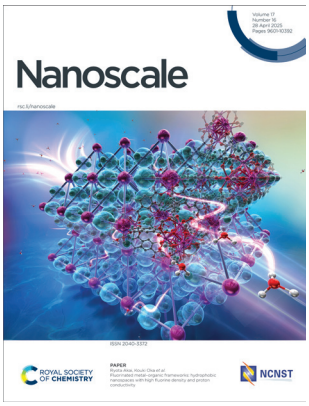

Cover
See Ryota Akai, Kouki Oka *et al.*, pp. 9920–9925.

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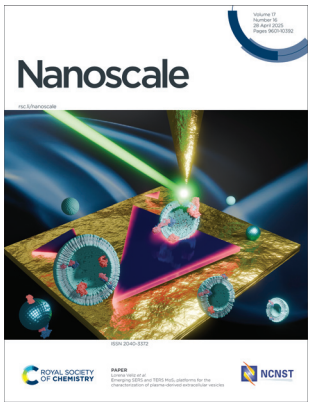

Inside cover
See Lorena Veliz *et al.*, pp. 9926–9936.

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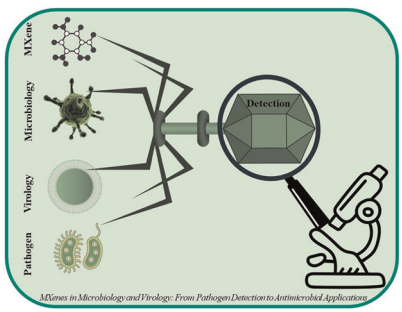
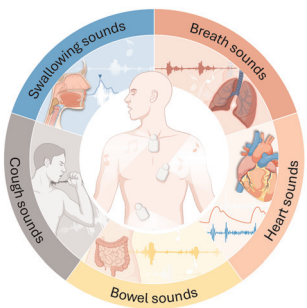
REVIEWS





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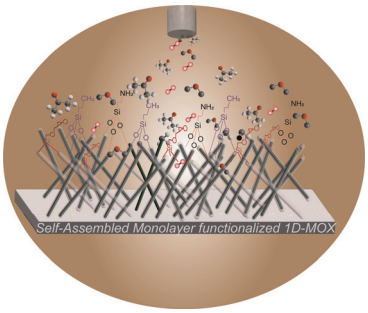

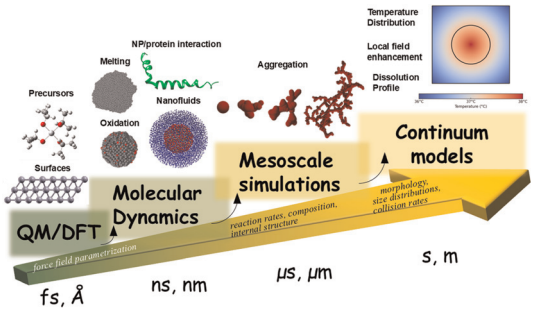

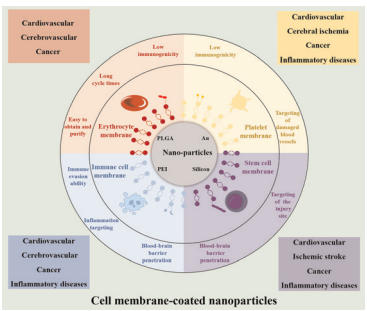

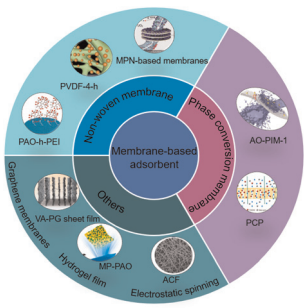

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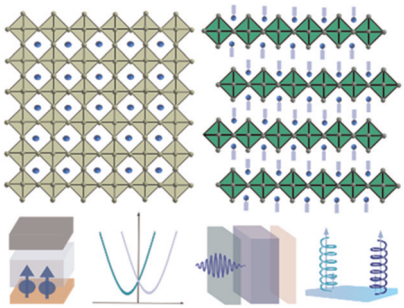

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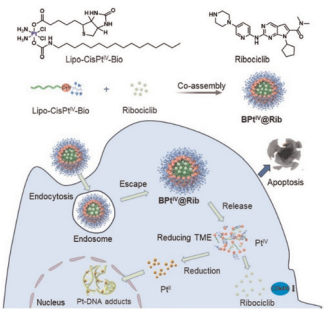

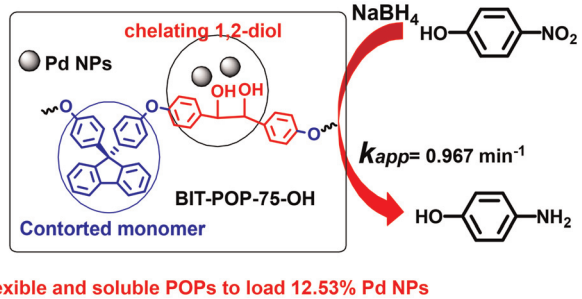

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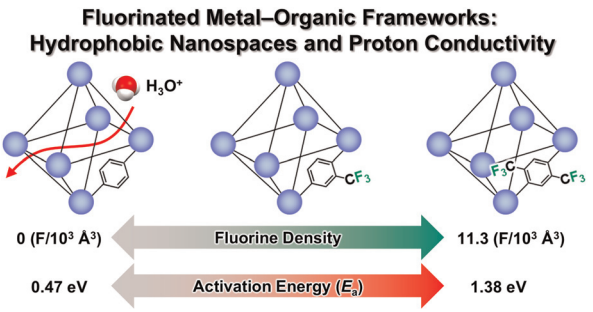

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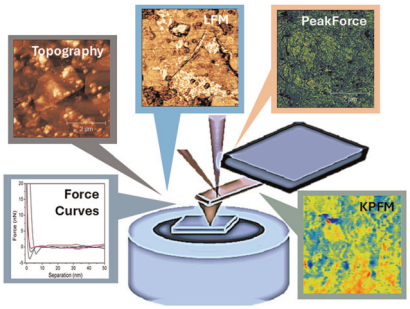

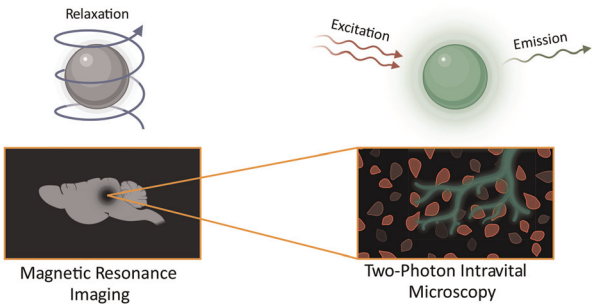

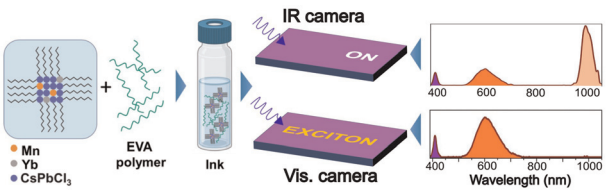

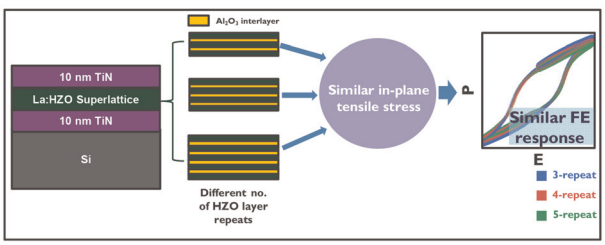

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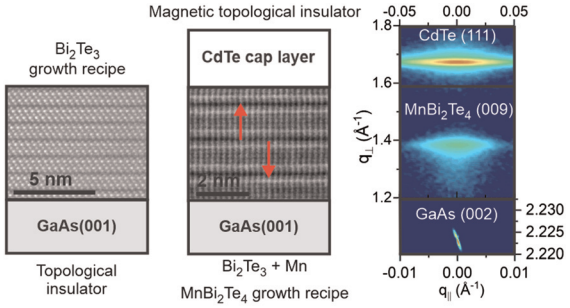
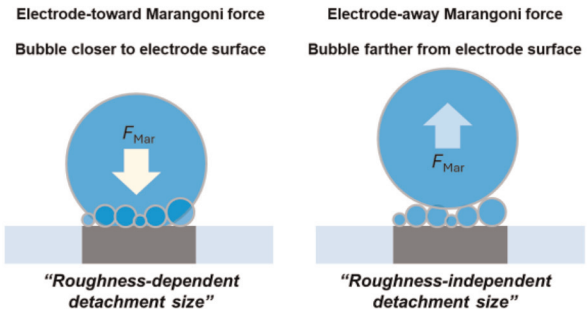


Epitaxial growth of antiferromagnetic $MnBi_2Te_4$/CdTe heterostructures on GaAs(001) using molecular beam epitaxy: structure and electronic properties

Wesley F. Inoch, Gilberto Rodrigues-Junior, S. L. A. Mello, S. de Castro, M. L. Peres, Sukarno O. Ferreira, Ângelo Malachias, Maybi F. Sampaio, Olavo Teixeira Neto, Bráulio S. Archanjo and Leonarde N. Rodrigues*

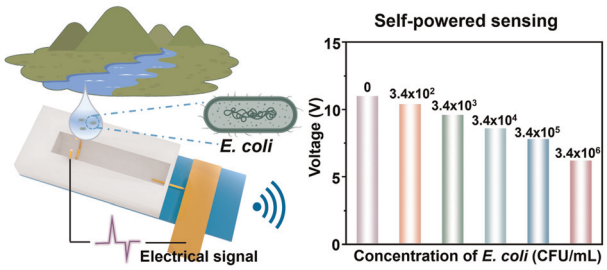
10020



Combined effects of electrode morphology and electrolyte composition on single H_2 gas bubble detachment during hydrogen evolution reaction

Sunghak Park,* Aleksandr Bashkatov,* Jordy J. J. Eggebeen, Siyoung Lee, Detlef Lohse, Dominik Krug* and Marc T. M. Koper*

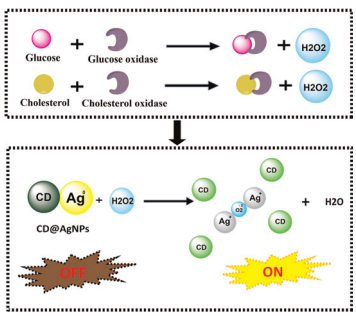
10035



Triboelectric charge-separable probes for potential single-droplet biochemical sensing

Along Gao, Boyou Wang, Chengpai Peng, Xiali Yang, Man Zhang, Hanyue Liu, Jing Pan, Hai Zhu,* Qitao Zhou* and Fan Xia

10043



A green carbon dot@silver nanoparticle hybrid: as a turn-on fluorescent probe for the detection and quantification of cholesterol and glucose

Nasrin Rahmatian, Shahryar Abbasi,* Naser Abbasi and Mohammad Tavakkoli Yaraki*

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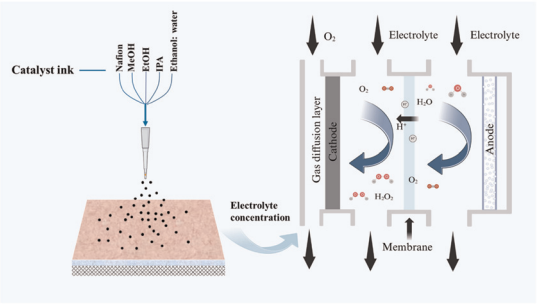

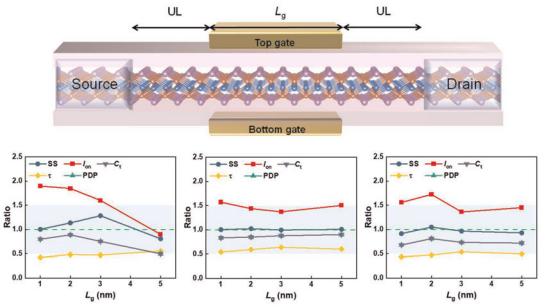

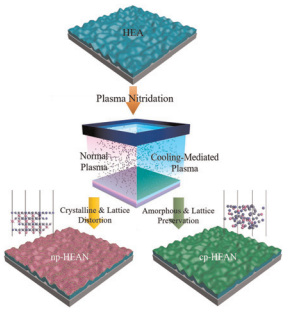

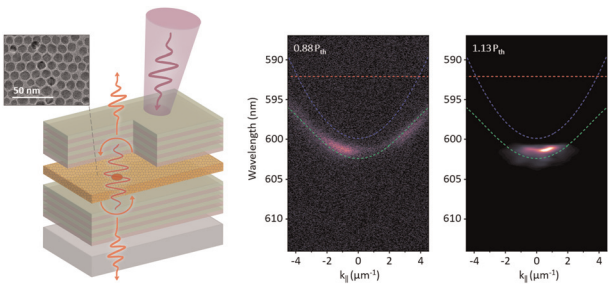

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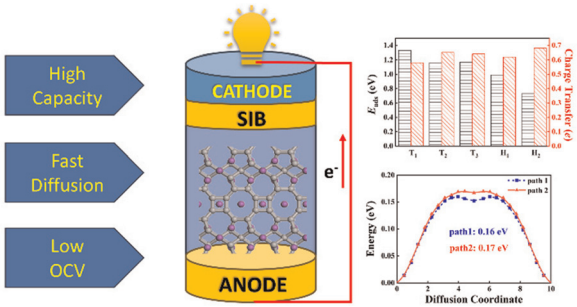

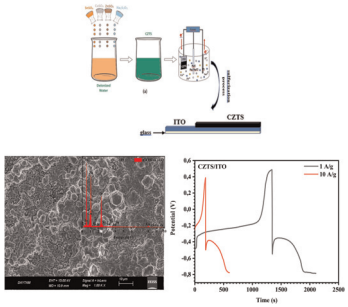

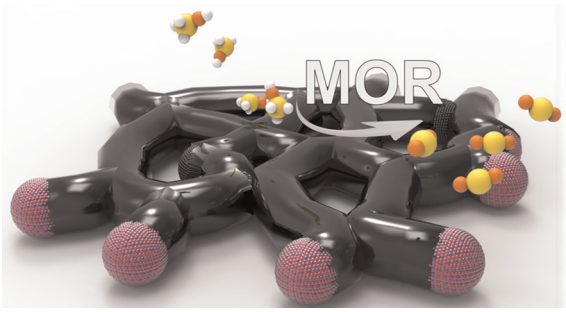

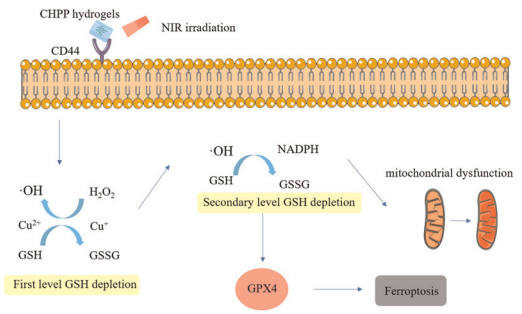

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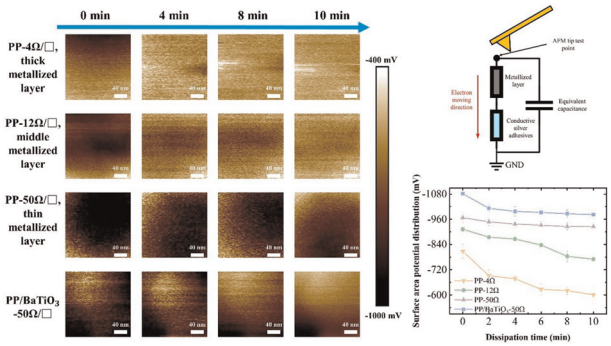

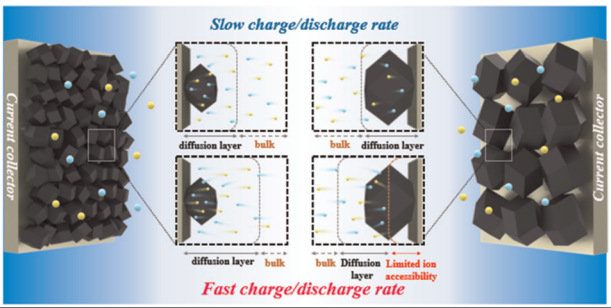

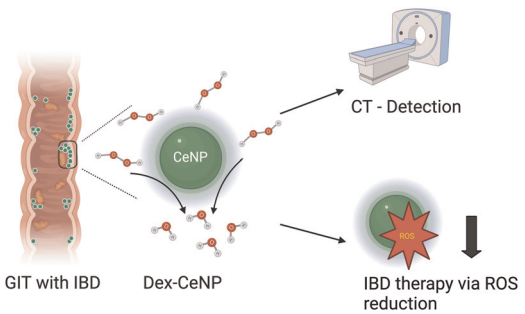

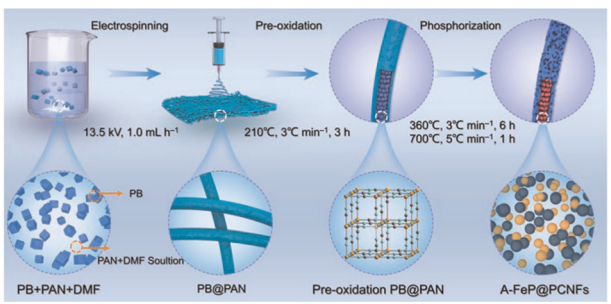

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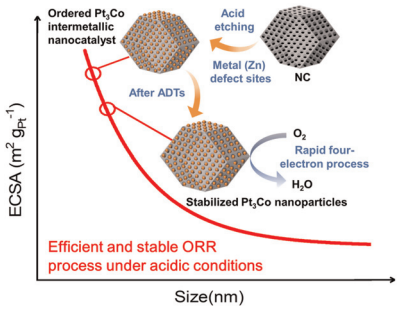

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