

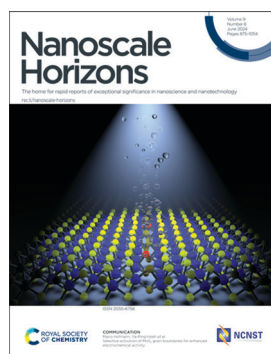
# Nanoscale Horizons

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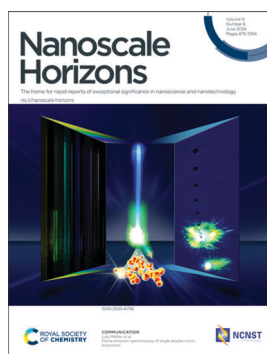
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See Mario Hofmann, Ya-Ping Hsieh *et al.*, pp. 946–955. Image reproduced by permission of Mario Hofmann from *Nanoscale Horiz.*, 2024, 9, 946.



### Inside cover

See Lutz Mädler *et al.*, pp. 956–967. Image reproduced by permission of Jan Derk Groeneveld from *Nanoscale Horiz.*, 2024, 9, 956.

## EDITORIAL

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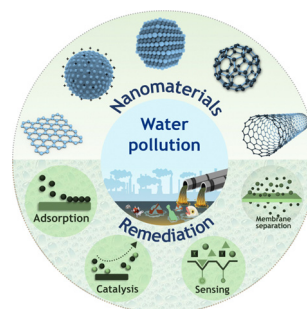


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### Nanoscience and nanotechnology for water remediation: an earnest hope toward sustainability

Subhajit Dutta,\* Anna Sinelshchikova, Jacopo Andrea and Stefan Wuttke\*



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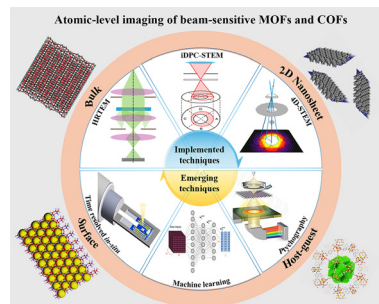


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## Atomic-level imaging of beam-sensitive COFs and MOFs by low-dose electron microscopy

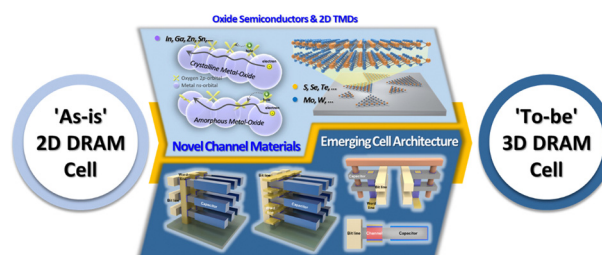
Zhen Zhan, Yuxin Liu, Weizhen Wang, Guangyu Du, Songhua Cai\* and Peng Wang\*



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Jae Seok Hur, Sungsoo Lee, Jiwon Moon, Hang-Gyo Jung, Jongwook Jeon, Seong Hun Yoon, Jin-Hong Park\* and Jae Kyeong Jeong\*

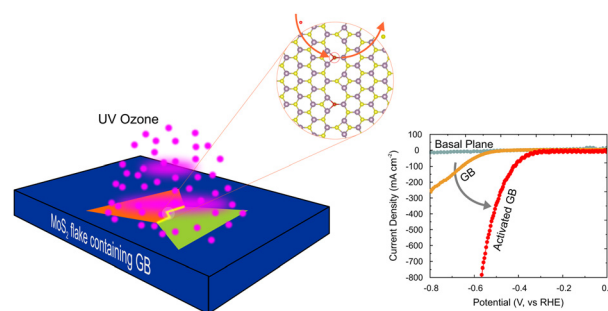


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Selective activation of MoS<sub>2</sub> grain boundaries for enhanced electrochemical activity

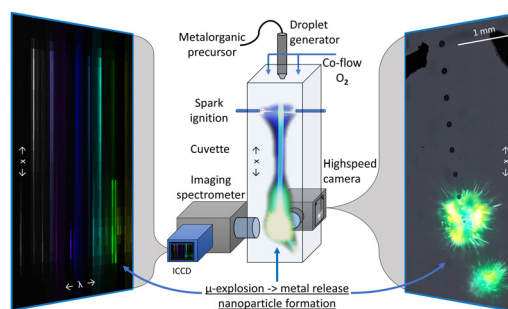
Radha Raman, Jeyavelan Muthu, Zhi-Long Yen, Mohammad Qorbani, Yu-Xiang Chen, Ding-Rui Chen, Mario Hofmann\* and Ya-Ping Hsieh\*



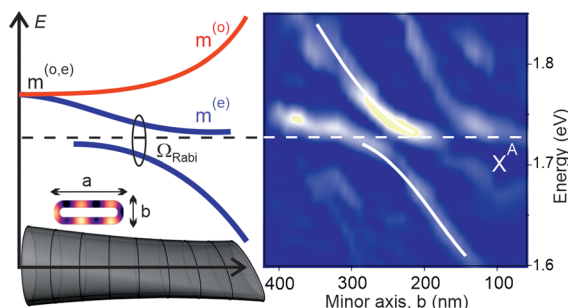
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## Flame emission spectroscopy of single droplet micro explosions

Jan Derk Groeneveld, Suman Pokhrel and Lutz Mädler\*



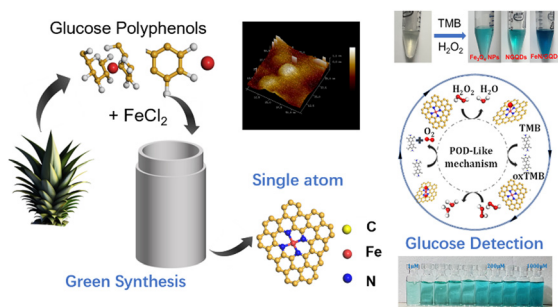
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### Direct observation of split-mode exciton-polaritons in a single MoS<sub>2</sub> nanotube

A. I. Galimov, D. R. Kazanov, A. V. Poshakinskiy, M. V. Rakhlin, I. A. Eliseyev, A. A. Toropov, M. Remškar and T. V. Shubina\*

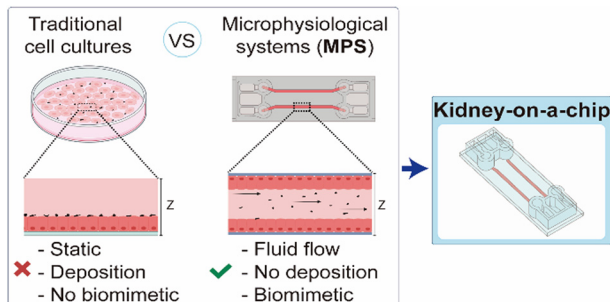
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### Green synthesis of iron-doped graphene quantum dots: an efficient nanozyme for glucose sensing

Xinqi Li, Guanyou Lin, Lijun Zhou, Octavia Prosser, Mohammad H. Malakooti\* and Miqin Zhang\*

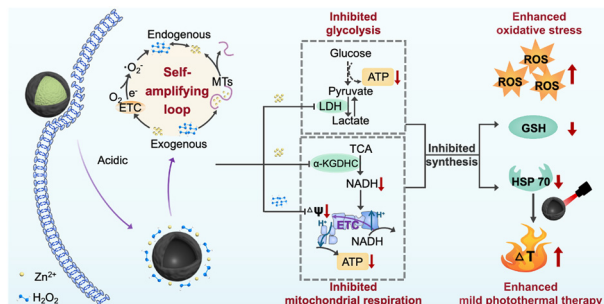
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### A microphysiological system for handling graphene related materials under flow conditions

Alodia Lacueva-Aparicio, Viviana Jehová González, Ana Rosa Remacha, Daniel Woods, Eduardo Prado, Ignacio Ochoa, Sara Oliván\* and Ester Vázquez\*

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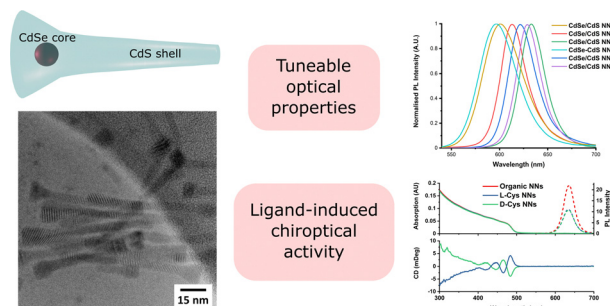
Yue Qiao, Xiaodan Jia, Yue Wang, Lin Liu,\* Mengchao Zhang\* and Xiue Jiang\*



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## Chiroptically active quantum nanonails

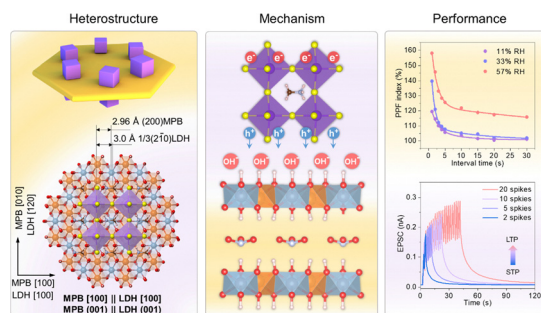
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Áine Coogan, Marina Martínez-Carmona,  
Jorge A. García, A. Louise Bradley and Yurii K. Gun'ko\*



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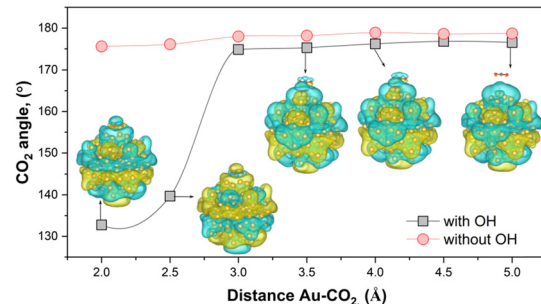
Qian Chen, Jiacheng Cao, Zhiwei Yang, Zeyi Wang,  
Jian Wang, Shilong Yu, Chenjie Hao, Nana Wang,  
Hai Li and Xiao Huang\*



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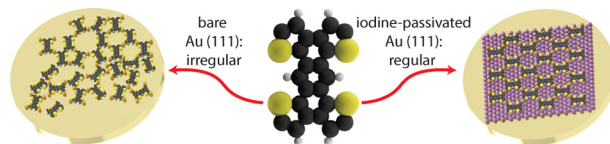
Zelio Fusco,\* Dirk Koenig, Sean C. Smith and  
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## Iodine passivation facilitates on-surface synthesis of robust regular conjugated two-dimensional organogold networks on Au(111)

Arash Badami-Behjat, Gianluca Galeotti, Rico Gutzler,  
Dominik L. Pastroetter, Wolfgang M. Heckl, Xinliang Feng  
and Markus Lackinger\*



## CORRECTION

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**Correction: Pickering emulsion templated proteinaceous microparticles as glutathione-responsive carriers for endocytosis in tumor cells**

Weijie Jiang, Xin Guan, Wei Liu, Yunxing Li, Hang Jiang\* and To Ngai\*

