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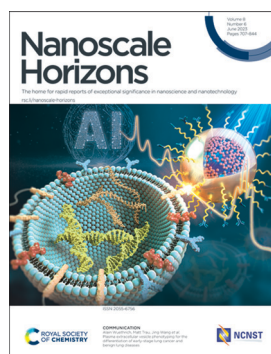
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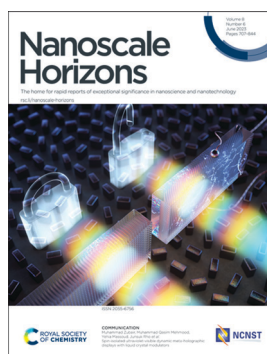
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See Alain Wuethrich, Matt Trau, Jing Wang *et al.*, pp. 746–758. Image reproduced by permission of Jing Wang from *Nanoscale Horiz.*, 2023, 8, 746.



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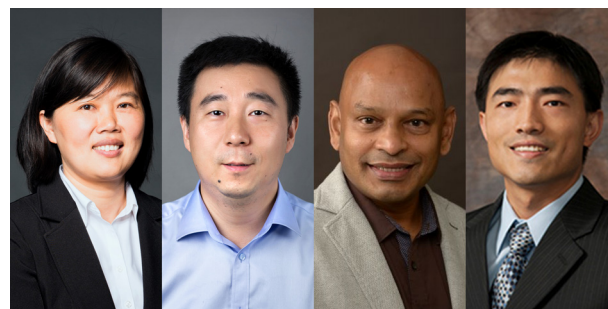
See Muhammad Zubair, Muhammad Qasim Mehmood, Yehia Massoud, Junsuk Rho *et al.*, pp. 759–766. Image reproduced by permission of Prof. Dr Yehia Massoud from *Nanoscale Horiz.*, 2023, 8, 759.

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Introduction to new horizons in materials for energy conversion, optics and electronics

Jinlan Wang,* Yuanjian Zhang,* Seeram Ramakrishna* and Guihua Yu*

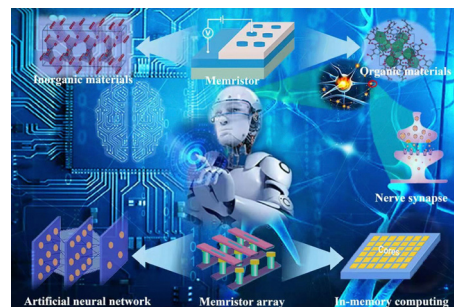


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Memristor-based neural networks: a bridge from device to artificial intelligence

Zelin Cao, Bai Sun,* Guangdong Zhou, Shuangsoo Mao, Shouhui Zhu, Jie Zhang, Chuan Ke, Yong Zhao and Jinyou Shao*



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Nanoscale Horizons (print: ISSN 2055-6756 electronic:

ISSN 2055-6764) is published 12 times a year by the

Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WE.

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WE, UK

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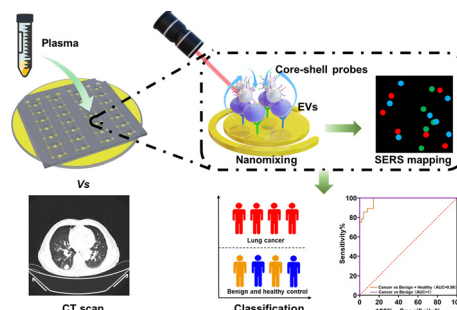
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Plasma extracellular vesicle phenotyping for the differentiation of early-stage lung cancer and benign lung diseases

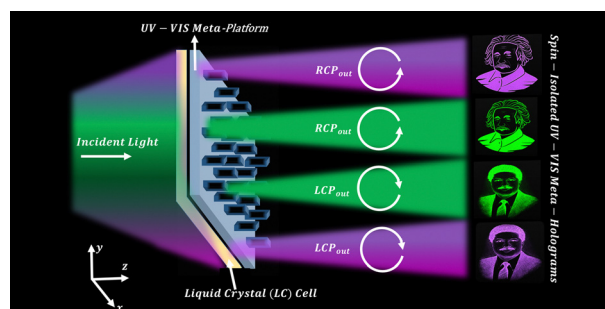
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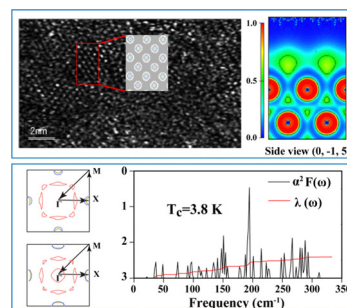
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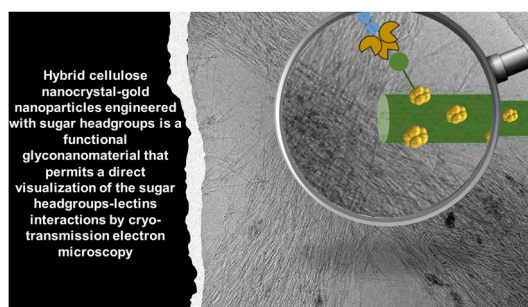
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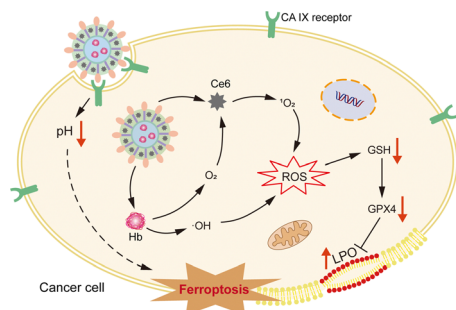
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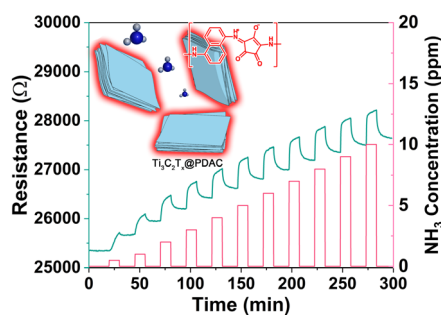
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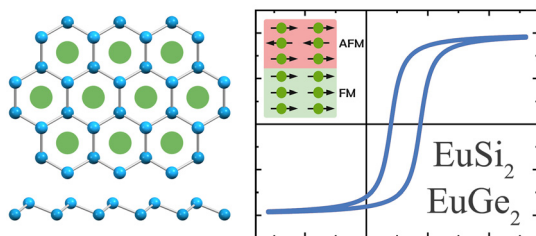


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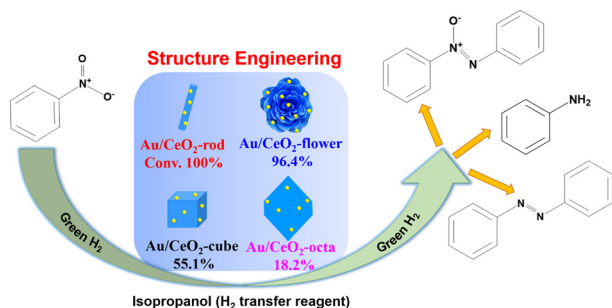
exchange bias state



Intrinsic exchange bias state in silicene and germanene materials EuX_2

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