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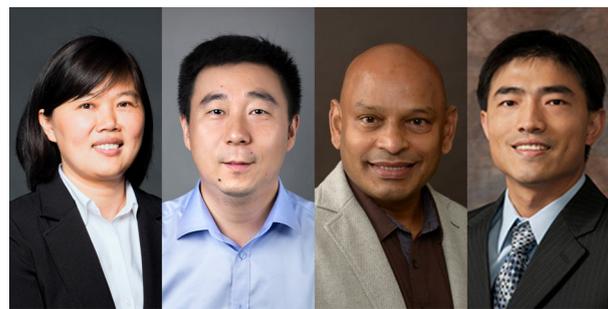
See Muhammad Zubair, Muhammad Qasim Mehmood, Yehia Massoud, Junsuk Rho *et al.*, pp. 759–766. Image reproduced by permission of Prof. Dr Yehia Massoud from *Nanoscale Horiz.*, 2023, 8, 759.

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

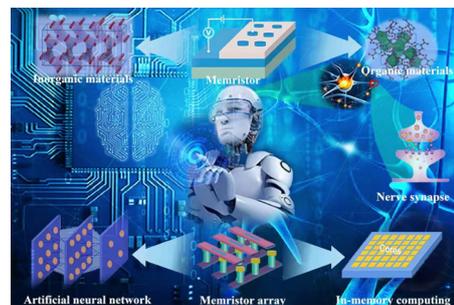


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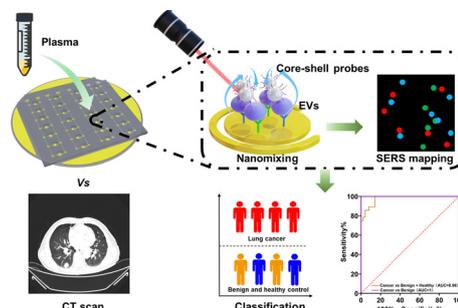
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### Plasma extracellular vesicle phenotyping for the differentiation of early-stage lung cancer and benign lung diseases

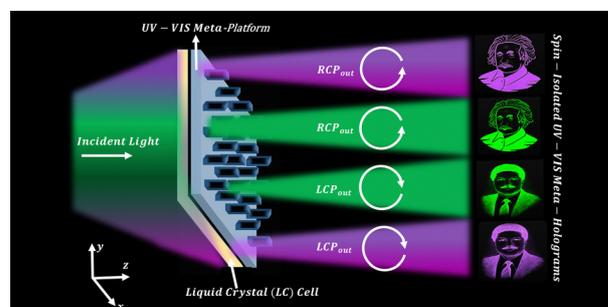
Liwen Yuan, Yanpin Chen, Longfeng Ke, Quan Zhou, Jiayou Chen, Min Fan, Alain Wuethrich,\* Matt Trau\* and Jing Wang\*



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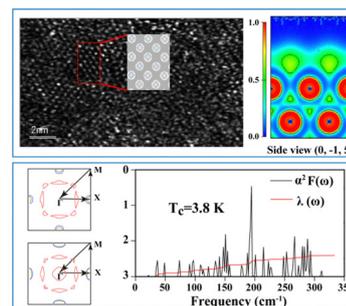
Aqsa Asad, Joohoon Kim, Hafiz Saad Khaliq, Nasir Mahmood, Jehan Akbar, Muhammad Tariq Saeed Chani, Yeseul Kim, Dongmin Jeon, Muhammad Zubair,\* Muhammad Qasim Mehmood,\* Yehia Massoud\* and Junsuk Rho\*



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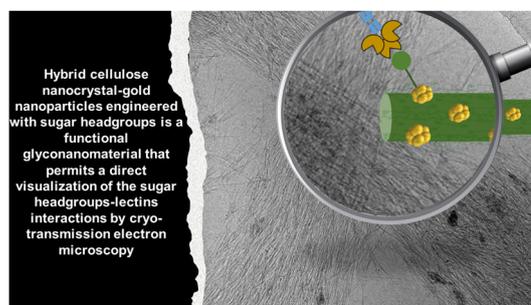
Xiao-Min Zhang, Jiawei Tang, Jing Zhang, Jin Yu, Litao Sun, Zhiqing Yang,\* Ke Xia\* and Weiwei Sun\*



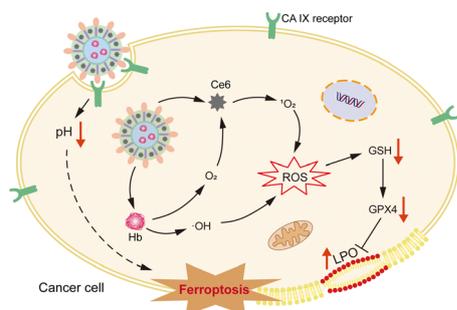
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Giacomo Biagiotti, Gianluca Toniolo, Martin Albino, Mirko Severi, Patrizia Andreatti, Marcello Marelli, Hana Kokot, Giancarlo Tria, Annalisa Guerri, Claudio Sangregorio, Javier Rojo, Debora Berti, Marco Marradi, Stefano Cicchi, Iztok Urbančič, Yvette van Kooyk, Fabrizio Chiodo\* and Barbara Richichi\*



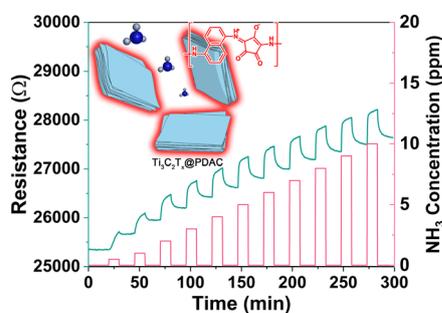
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Nian Liu, Qian Lin, Wenbao Zuo, Weibin Chen, Shan Huang, Yinshu Han, Xing-Jie Liang,\* Xuan Zhu\* and Shuidong Huo\*

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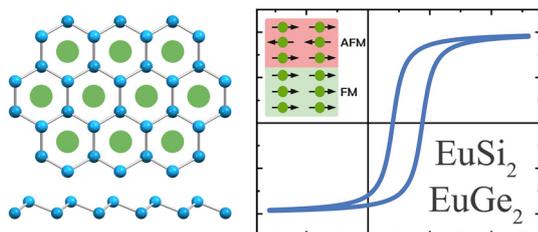


### An ultra-sensitive NH<sub>3</sub> gas sensor enabled by an ion-in-conjugated polycroconaine/Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> core-shell composite

Jin Zhou, Seyed Hossein Hosseini Shokouh, Linfan Cui, Topias Järvinen, Olli Pitkänen, Zhong-Peng Lv\* and Krisztian Kordas\*

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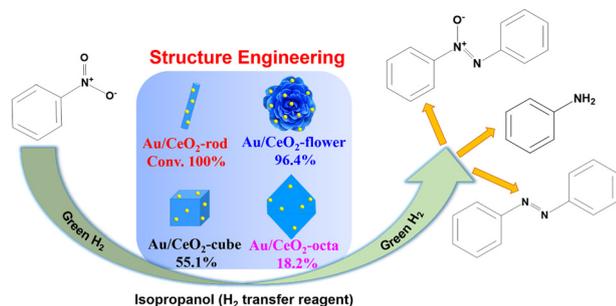
### exchange bias state



### Intrinsic exchange bias state in silicene and germanene materials EuX<sub>2</sub>

Dmitry V. Averyanov, Ivan S. Sokolov, Alexander N. Taldenkov, Oleg E. Parfenov, Igor A. Karateev, Oleg A. Kondratev, Andrey M. Tokmachev and Vyacheslav G. Storchak\*

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Junqing Ye, Meizan Jing, Yu Liang, Wenjin Li, Wanting Zhao, Jianying Huang, Yuekun Lai,\* Weiyu Song, Jian Liu and Jian Sun\*



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## A light-operated integrated DNA walker–origami system beyond bridge burning

Xiao Rui Liu, long Ying Loh, Winna Siti, Hon Lin Too, Tommy Anderson and Zhisong Wang\*

