

# Nanoscale Horizons

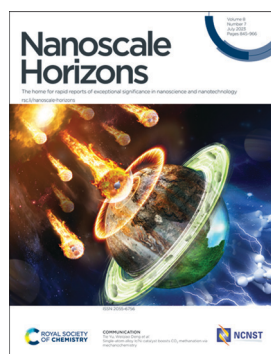
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ISSN 2055-6756 CODEN NHAOAW 8(7) 845-966 (2023)



### Cover

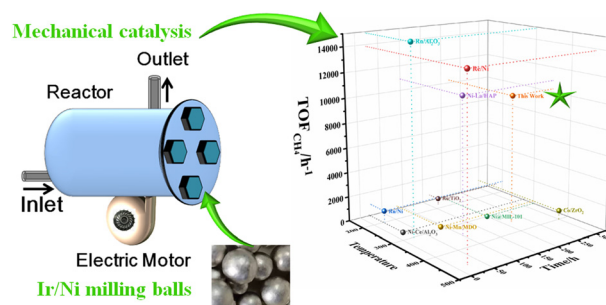
See Tie Yu, Weiqiao Deng *et al.*, pp. 852–858.  
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### Single-atom alloy Ir/Ni catalyst boosts CO<sub>2</sub> methanation *via* mechanochemistry

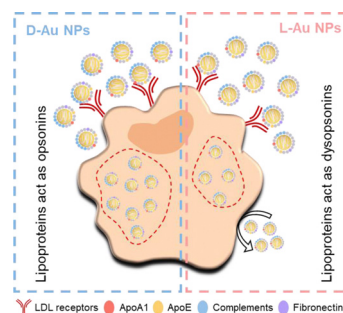
Rui Tu, Yujie Zhang, Yuchun Xu, Junxia Yang, Ling Zhang, Keran Lv, Guoqing Ren, Shengliang Zhai, Tie Yu\* and Weiqiao Deng\*



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### Stereoselective coronas regulate the fate of chiral gold nanoparticles *in vivo*

Didar Baimanov, Liming Wang, Ke Liu, Mengmeng Pan, Rui Cai, Hao Yuan, Wanxia Huang, Qingxi Yuan, Yunlong Zhou,\* Chunying Chen\* and Yuliang Zhao\*



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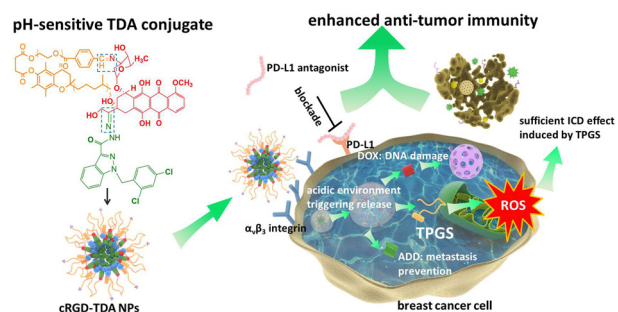
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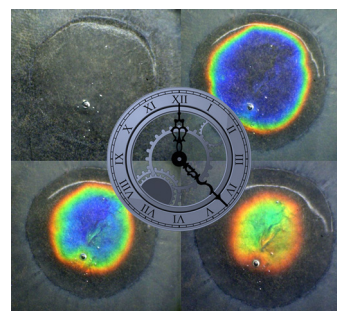
Chenming Zou, Yuepeng Tang, Ping Zeng, Derong Cui, Majdi Al Amili, Ya Chang, Zhu Jin, Yuanyuan Shen,\* Songwei Tan\* and Shengrong Guo\*



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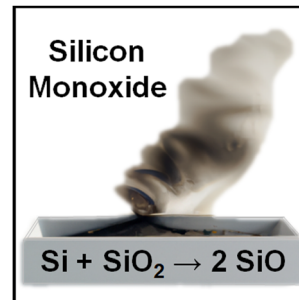
Gen Kamita, Silvia Vignolini\* and Ahu Gümrah Dumanli\*



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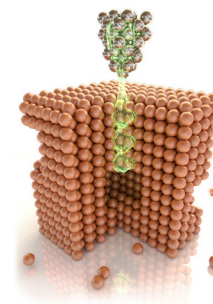
Kevin M. O'Connor, Abbie Rubletz, Jonathan Trach, Cole Butler and Jonathan G. C. Veinot\*



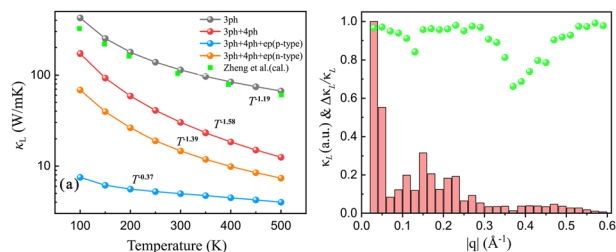
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### Bringing ultimate depth to scanning tunnelling microscopy: deep subsurface vision of buried nano-objects in metals

Oleg Kurnosikov,\* Muriel Sicot, Emilie Gaudry, Danielle Pierre, Yuan Lu and Stéphane Mangin



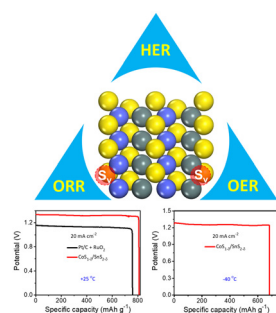
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### Intervalley scattering induced significant reduction in lattice thermal conductivities for phosphorene

Yu Wu,\* Ying Chen, Lei Peng, Hao Zhang\* and LiuJiang Zhou\*

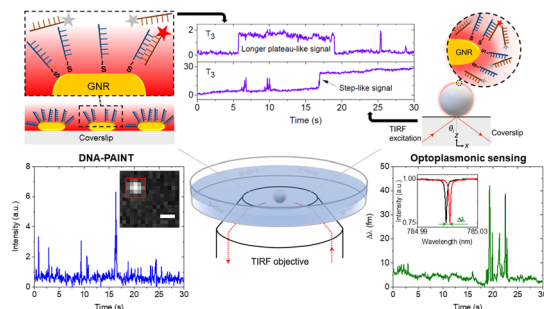
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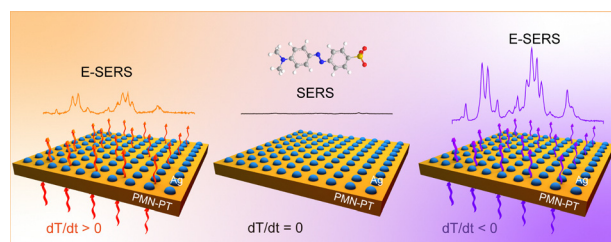
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Narima Eerqing,\* Hsin-Yu Wu, Sivaraman Subramanian, Serge Vincent and Frank Vollmer

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Mingrui Shao, Di Liu, Jinxuan Lu, Xiaofei Zhao, Jing Yu, Chao Zhang, Baoyuan Man,\* Hui Pan\* and Zhen Li\*



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