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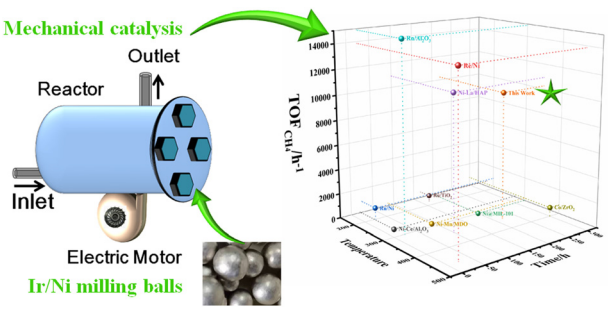
Single-atom alloy Ir/Ni catalyst boosts CO_2 methanation *via* mechanochemistry

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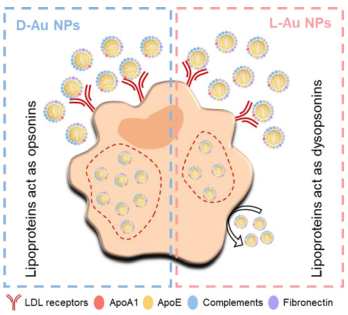
Stereoselective coronas regulate the fate of chiral gold nanoparticles *in vivo*

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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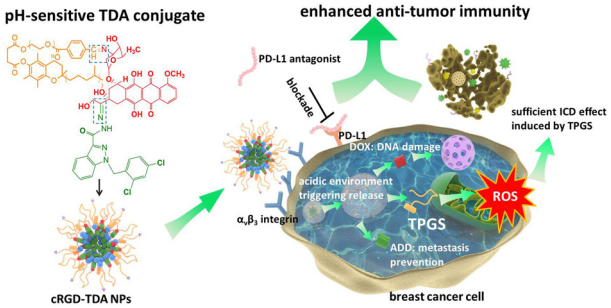
cRGD-modified nanoparticles of multi-bioactive agent conjugate with pH-sensitive linkers and PD-L1 antagonist for integrative collaborative treatment of breast cancer

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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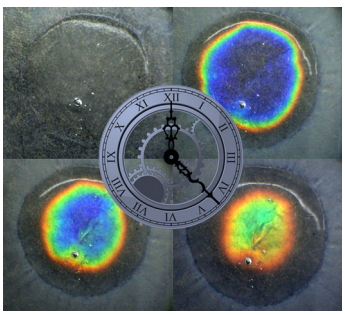
Edible cellulose-based colorimetric timer

Gen Kamita, Silvia Vignolini* and Ahu Gümrah Dumanli*



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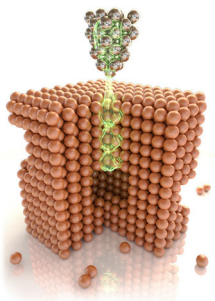
Oleg Kurnosikov,* Muriel Sicot, Emilie Gaudry, Danielle Pierre, Yuan Lu and Stéphane Mangin



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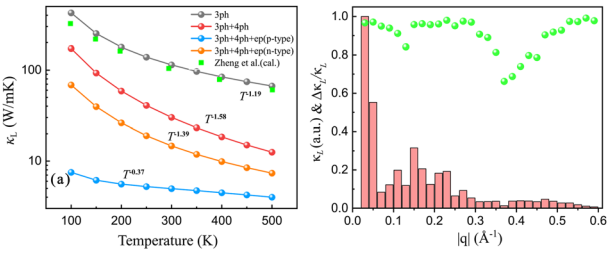

Intervalley scattering induced significant reduction in lattice thermal conductivities for phosphorene

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

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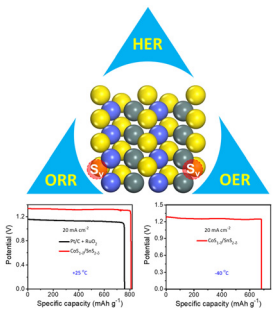

Heterointerface promoted trifunctional electrocatalysts for all temperature high-performance rechargeable Zn–air batteries

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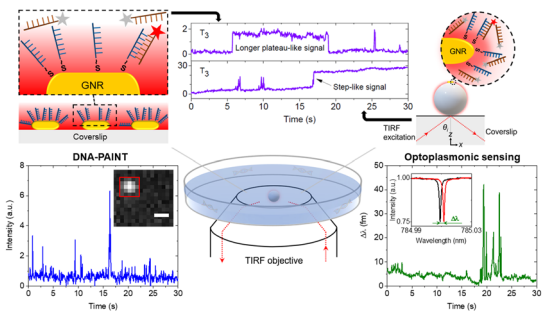

Anomalous DNA hybridisation kinetics on gold nanorods revealed *via* a dual single-molecule imaging and optoplasmonic sensing platform

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

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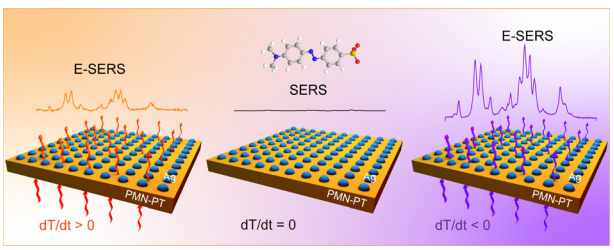

Giant enhancement of the initial SERS activity for plasmonic nanostructures *via* pyroelectric PMN-PT

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

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Xilong Xu, Ting Zhang, Ying Dai,* Baibiao Huang and Yandong Ma*