

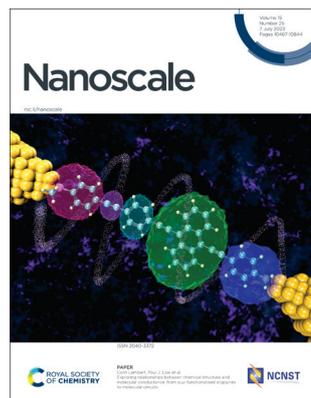
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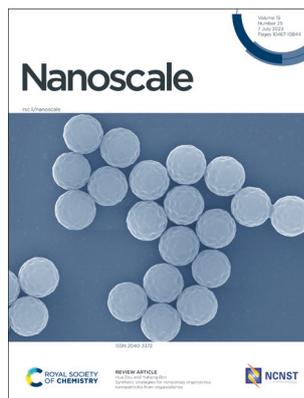
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EDITORIAL

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Introduction to nanomaterials for printed electronics

Cinzia Casiraghi,* Oana D. Jurchescu,*
Shlomo Magdassi* and Wenming Su*

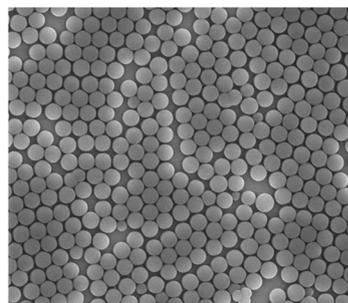


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Synthetic strategies for nonporous organosilica nanoparticles from organosilanes

Hua Zou* and Yuhang Ren



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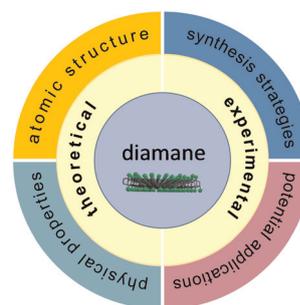


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Advancements in theoretical and experimental investigations on diamane materials

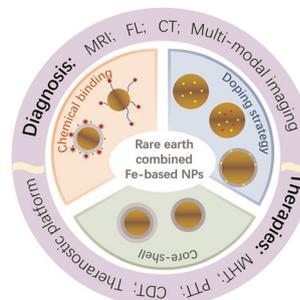
Bowen Liu, Emilia Emmanuel, Tao Liang* and Bin Wang*



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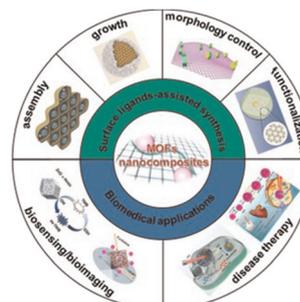
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Lihua Wang, Zhiheng Li, Yingqian Wang, Mengyue Gao, Ting He, Yifang Zhan* and Zhihao Li*

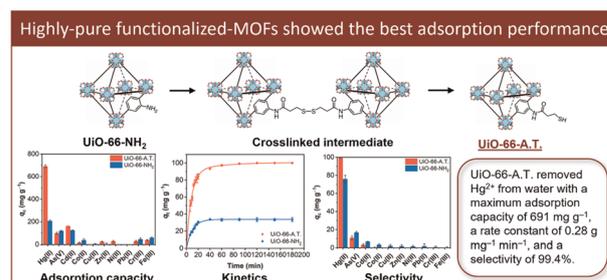


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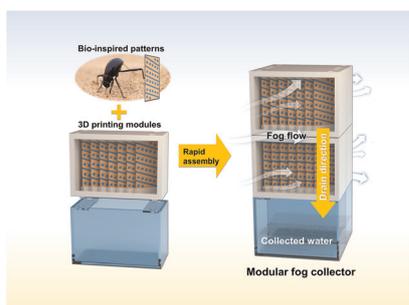
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Iris Tsz Yan Lam, Yufei Yuan, Ki-Taek Bang, Seon-Jin Choi, Dong-Myeong Shin, Dong Lu and Yoonseob Kim*



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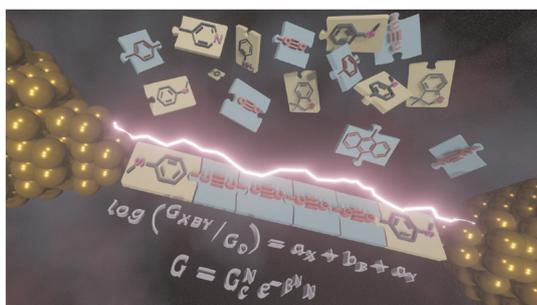


Manufacture of a modular fog harvesting system combining 3D printing and wettability-contrasting patterns

Jie Guo, Zhiguang Guo* and Weimin Liu*

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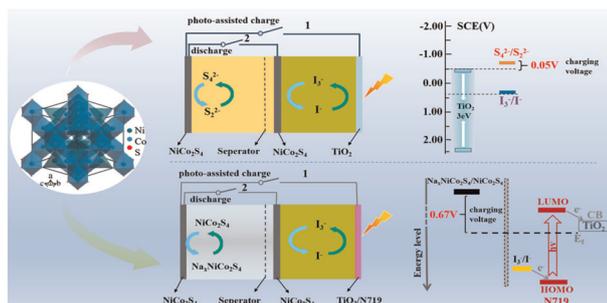
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Exploring relationships between chemical structure and molecular conductance: from α,ω -functionalised oligynes to molecular circuits

Elena Gorenskaia, Jarred Potter, Marcus Korb, Colin Lambert* and Paul J. Low*

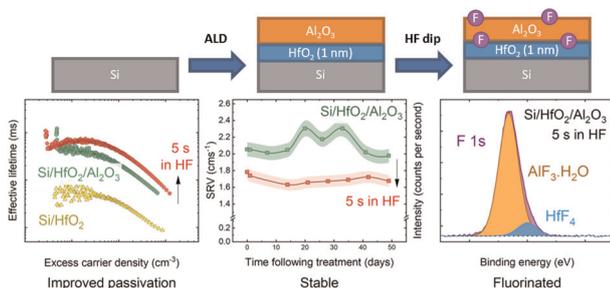
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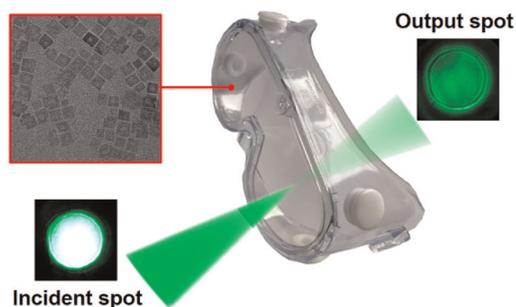


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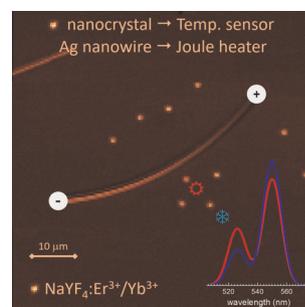
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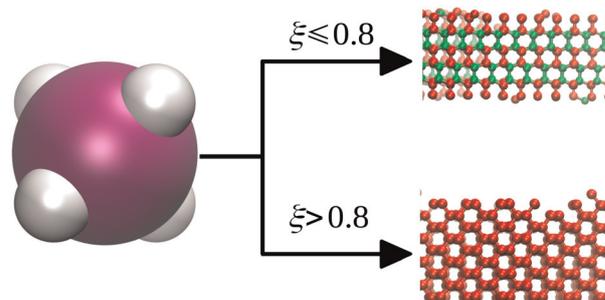
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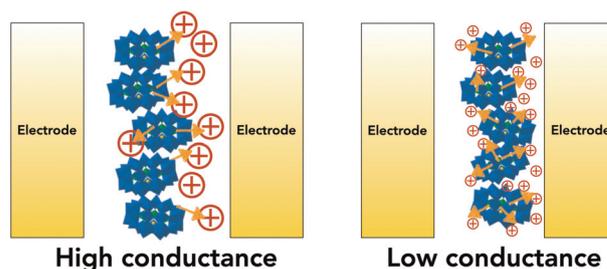
Łukasz Baran,* Dariusz Tarasewicz, Daniel M. Kamiński and Wojciech Rzyśko



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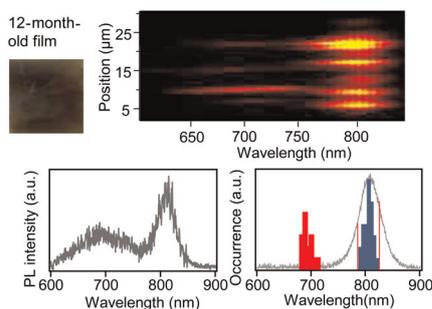
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Cécile Huez, Séverine Renaudineau, Florence Volatron, Anna Proust* and Dominique Vuillaume*



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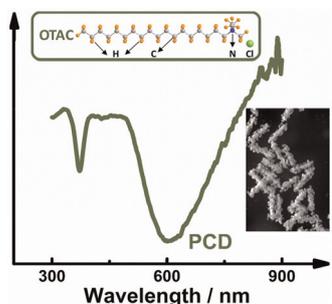
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Air-stable mixed cation lead halide perovskite films and microscopic study of their degradation process

Anubha Agarwal, Shun Omagari and Martin Vacha*

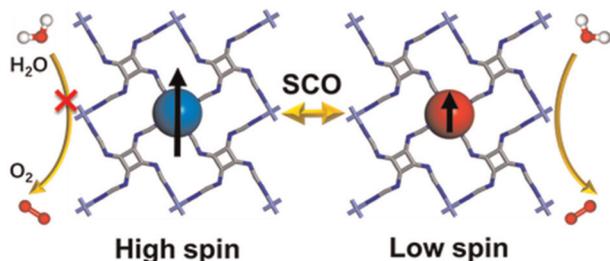
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Xinshuang Gao, Qiang Zheng, Hanbo Li, Chenqi Zhang, Rui Cai, Yinglu Ji, Zhijian Hu and Xiaochun Wu*

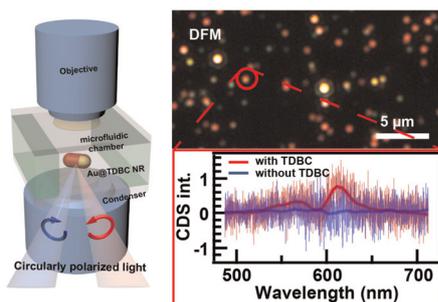
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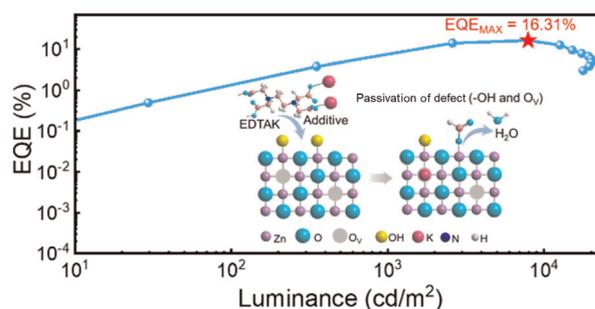


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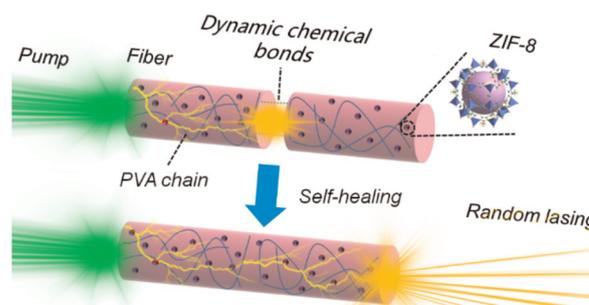
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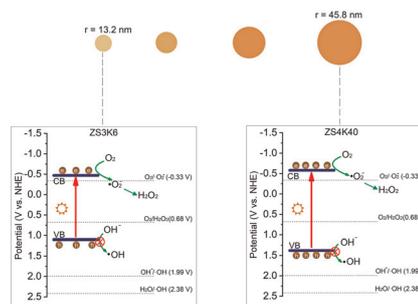
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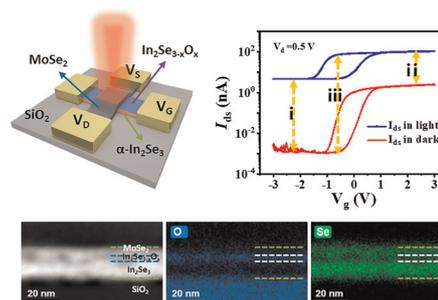
Peng Zhang,* Jiankang Wang, Jinyu Hu, Zhibo Tong, Yajing Wang, Songli Liu,* Shimin Ding and Youqing Yu



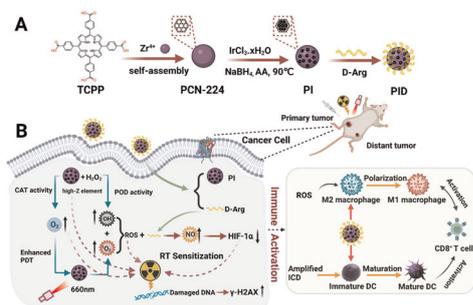
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Xuhong Li, Xiaoqing Chen,* Wenjie Deng, Songyu Li, Boxing An, Feihong Chu, Yi Wu, Famin Liu* and Yongzhe Zhang*



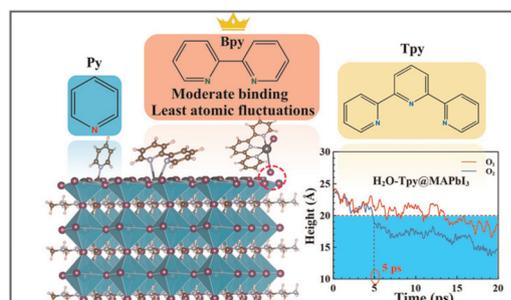
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Yi-Ming Zou, Rong-Tian Li, Lei Yu, Ting Huang, Jian Peng, Wei Meng, Bin Sun, Wen-Hua Zhang, Zhi-Hong Jiang, Jun Chen* and Jin-Xiang Chen*

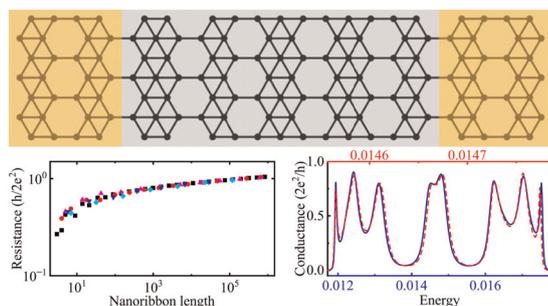
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A moderate intensity ligand works best: a theoretical study on passivation effects of pyridine-based molecules for perovskite solar cells

Na Chen, Weiye Zhang and Quan-Song Li*

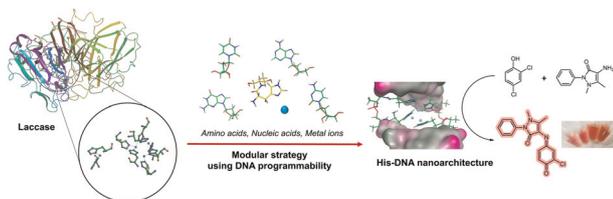
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Enhanced electron transport and self-similarity in quasiperiodic borophene nanoribbons with line defects

Pei-Jia Hu, Jin-Ting Ding, Zeng-Ren Liang, Tie-Feng Fang, Ai-Min Guo* and Qing-Feng Sun

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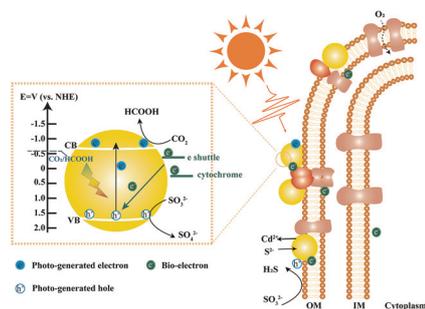
Histidine–DNA nanoarchitecture as laccase mimetic DNazymes

Ji Hye Yum, Tomotaka Kumagai, Daisuke Hori, Hiroshi Sugiyama* and Soyoung Park*



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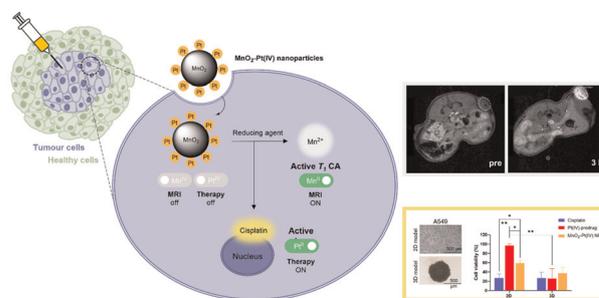
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Redox double-switch cancer theranostics through Pt(IV) functionalised manganese dioxide nanostructures

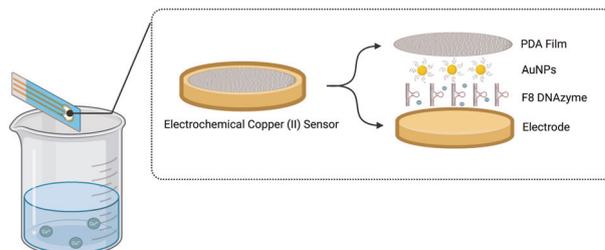
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Activity-enhanced DNAzyme for design of label-free copper(II) biosensor

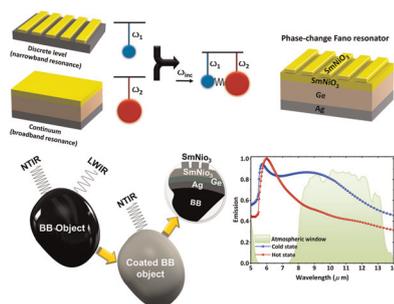
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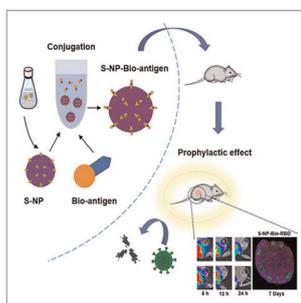
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Phase-change Fano resonator for active modulation of thermal emission

Bahram Khalichi,* Amir Ghobadi,* Ataollah Kalantari Osgouei, Zahra Rahimian Omam, Hasan Kocer and Ekmel Ozbay*



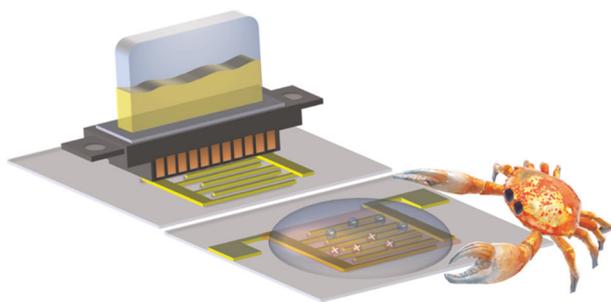
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Production of a promising modular proteinaceous self-assembled delivery system for vaccination

Chao Pan, Jingqin Ye, Sen Zhang, Xiang Li, Yixin Shi, Yan Guo, Kangfeng Wang, Peng Sun, Jun Wu,* Hengliang Wang* and Li Zhu*

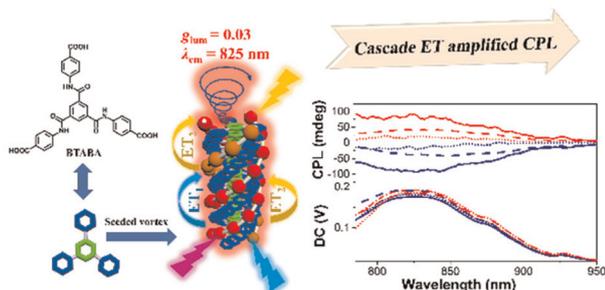
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Chitosan-gated organic transistors printed on ethyl cellulose as a versatile platform for edible electronics and bioelectronics

Alina S. Sharova, Francesco Modena, Alessandro Luzio, Filippo Melloni, Pietro Cataldi, Fabrizio Viola, Leonardo Lamanna, Nicolas F. Zorn, Mauro Sassi, Carlotta Ronchi, Jana Zaumseil, Luca Beverina, Maria Rosa Antognazza and Mario Caironi*

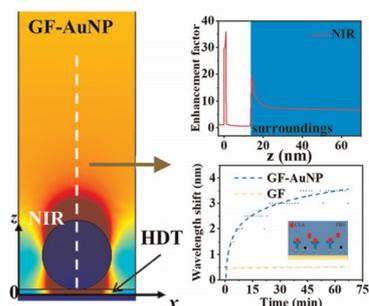
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Cascade energy transfer boosted near-infrared circularly polarized luminescence of nanofibers from an exclusively achiral system

Chen Xiao, Chengxi Li, Kang Huang, Pengfei Duan* and Yafei Wang*

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Huimin Wang, Tao Wang,* Simei Zhong, Jinyan Zhang, Ruoqin Yan, Peng Xu, Yu-hui Zhang, Xinzhao Yue, Lu Wang, Yuandong Wang, Xuyang Yuan, Jinwei Zeng and Jian Wang*



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Evaluating strain and doping of Janus MoSSe from phonon mode shifts supported by *ab initio* DFT calculations

Jennifer Schmeink, Vladislav Musytschuk, Erik Pollmann, Stephan Sleziona, André Maas, Peter Kratzer and Marika Schleberger*

