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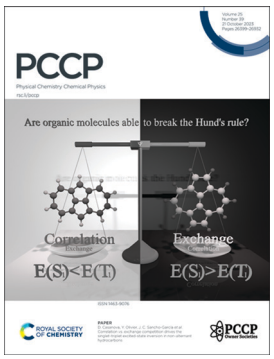

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Inside cover
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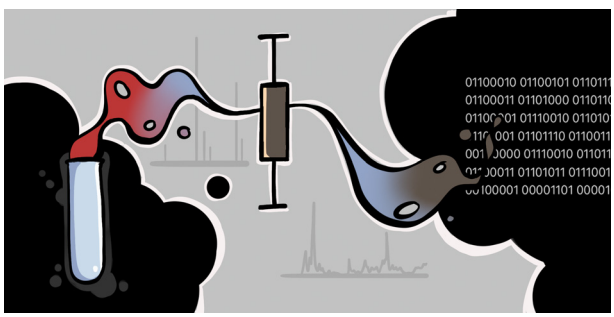
EDITORIAL



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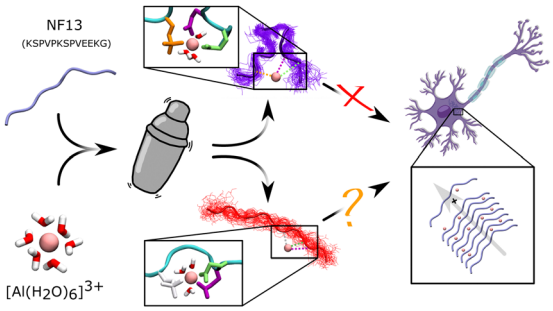

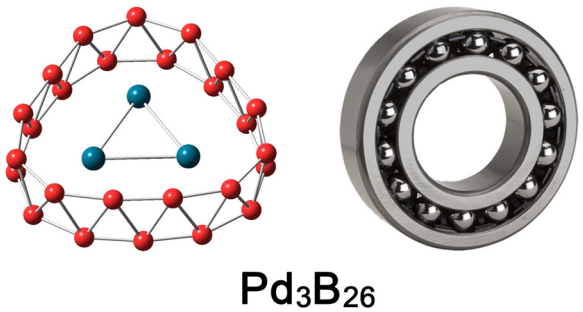

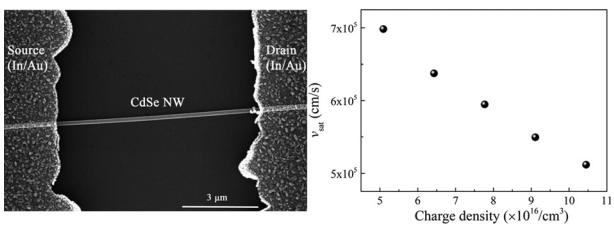

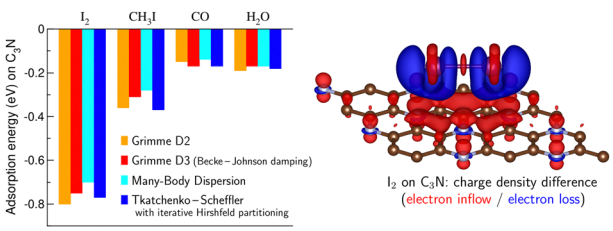

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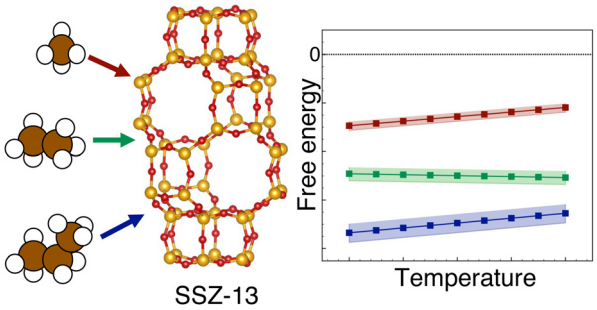

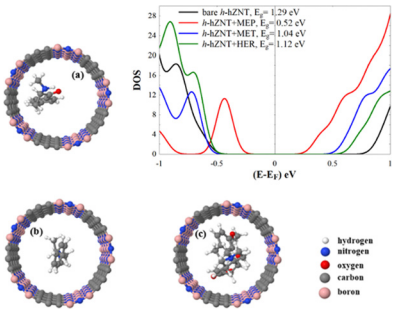

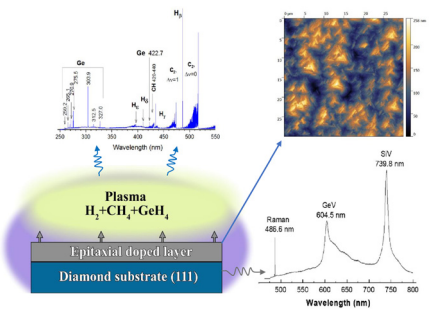

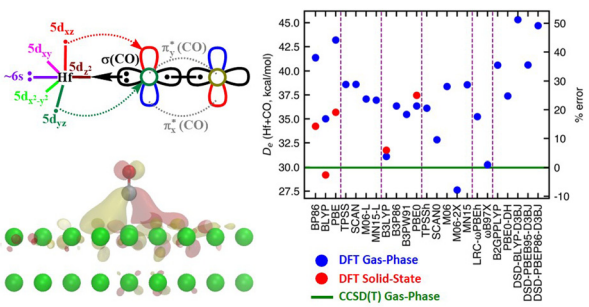

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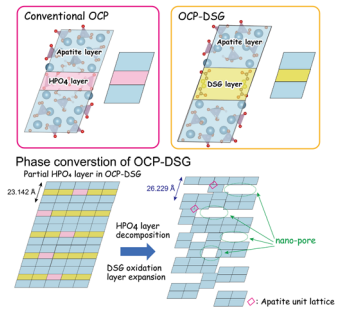

Interlayer expansion of octacalcium phosphate *via* forced oxidation of the intercalated molecules within its interlayers

Yuki Sugiura,* Etsuko Yamada and Masanori Horie

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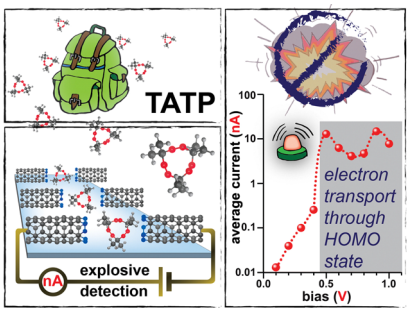
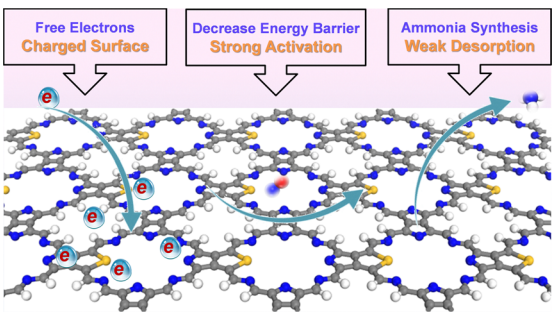


Tunnel junction sensing of TATP explosive at the single-molecule level

Aleksandar Ž. Tomović, Helena Miljkovic, Miloš S. Dražić, Vladimir P. Jovanović and Radomir Zikic*

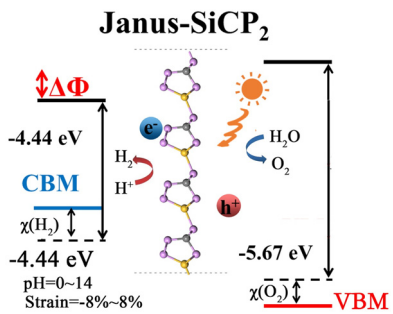
26659



Theoretical insight into the essential role of charged surface for ammonia synthesis: Si-decorated carbon nitride electrode

Lei Yang, Jiake Fan and Weihua Zhu*

26666



Metal-free Janus α- and β-$SiCP_4$: designing stable and efficient two-dimensional semiconductors for water splitting

Yanfu Zhao, Bofeng Zhang* and Jiahe Lin*

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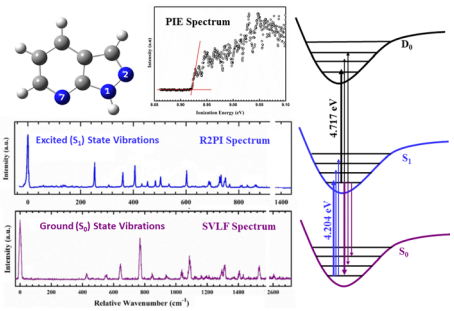

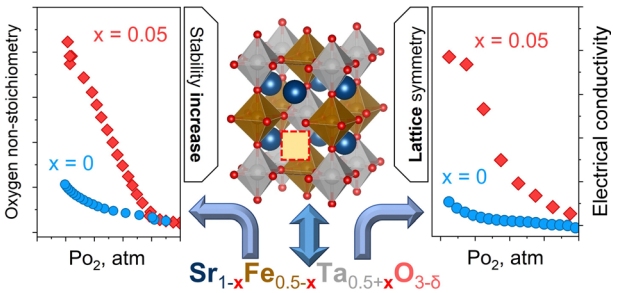

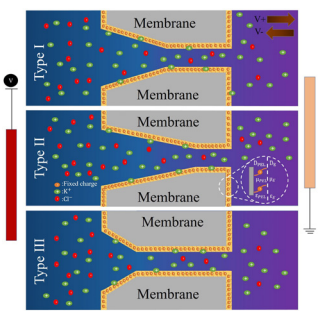

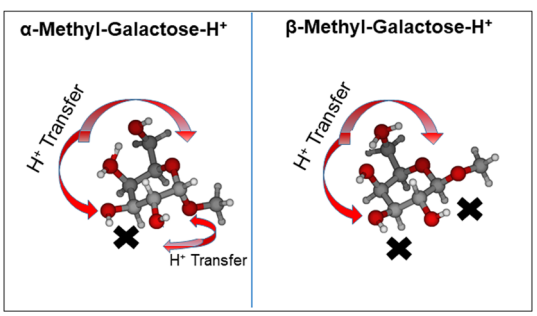

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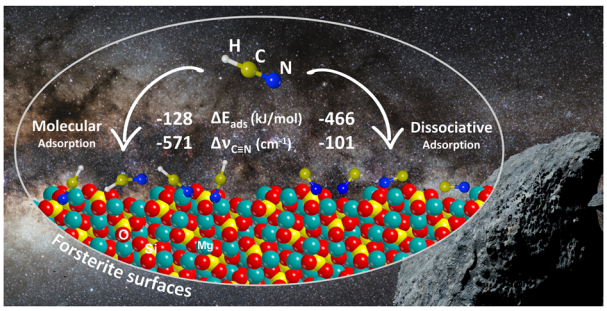

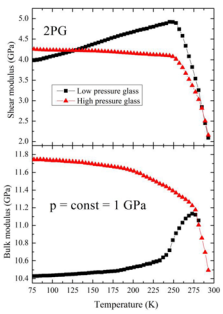

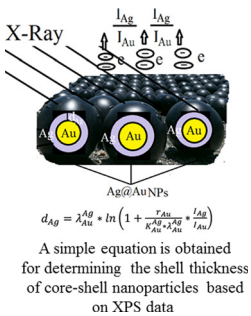

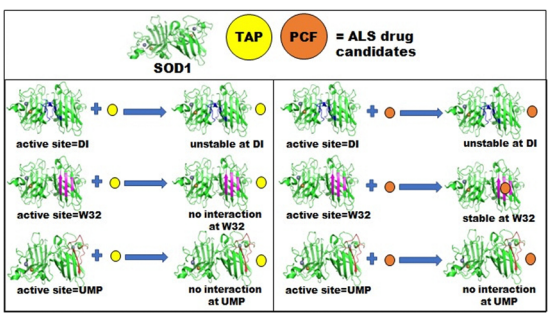

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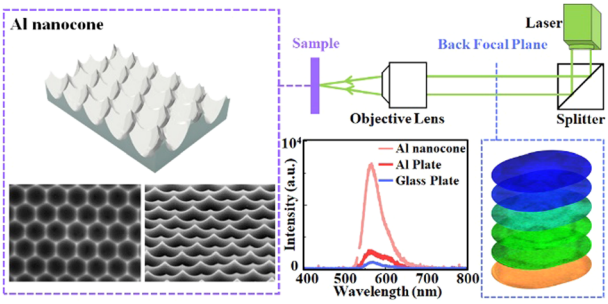

Surface lattice resonances enhanced directional amplified spontaneous emission on plasmonic honeycomb nanocone array

Dongda Wu, Yi Wang,* Jiamin Xiao, Jiang Hu, Xuchao Zhao, Yuhao Gao, Jiazhi Yuan and Wenxin Wang*

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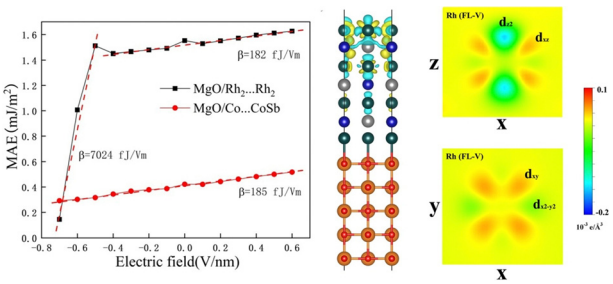

Giant unilateral electric-field control of magnetic anisotropy in MgO/Rh_2CoSb heterojunctions

Shiming Yan, Yue Hu, Deyou Jin, Ru Bai, Wen Qiao* and Tiejun Zhou*

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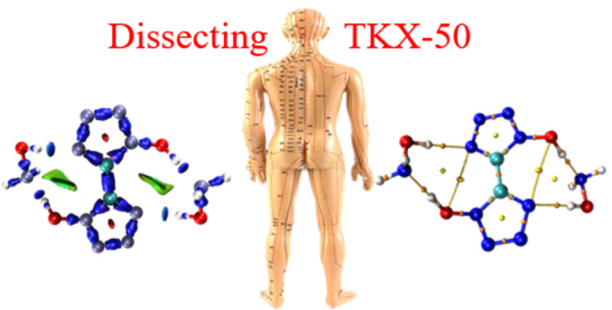

Theoretical study on intra-molecule interactions in TKX-50

Chunhai Yang,* Xue Li,* Ning Zhou, Huilong Dong,* Xiuli Hu, Junxun Jin, Tao Huang and Jinhui Wang

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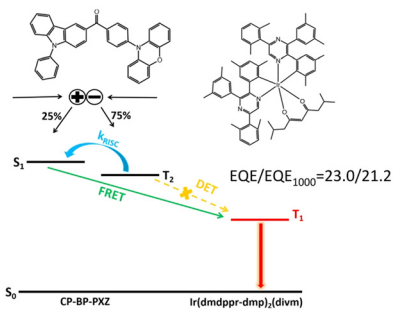

Exciton dynamics of an aggregation-induced delayed fluorescence emitter in non-doped OLEDs and its application as host for high-efficiency red phosphorescent OLEDs

Hanlin Li, Chengwei Lin, Yibing Wu, Xianfeng Qiao, Dezhi Yang, Yanfeng Dai, Qian Sun, Tansir Ahamad, Zhujin Zhao* and Dongge Ma*

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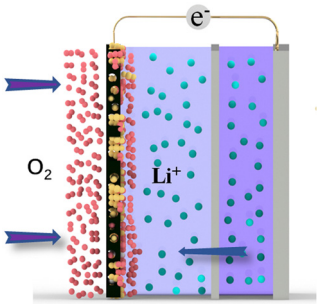
Cobalt-doped tin disulfide catalysts for high-capacity lithium–air batteries with high lifetime

Jie Li, Yuzhi Shi, Junhai Wang, Qianhe Liu, Lihua Luan, Qiang Li, Qinghao Cao, Tianyu Zhang and Hong Sun*



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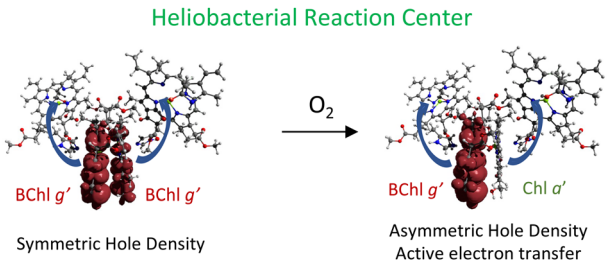
Electronic structure and energetics of a heterodimeric BChl *g*′/Chl *a*′ special pair generated by exposure of *Heliomicrobium modesticaldum* to dioxygen

Divya Kaur,* Bryan Ferlez, Patrick Landry, Till Biskup, Stefan Weber, John H. Golbeck,* K. V. Lakshmi* and Art van der Est*



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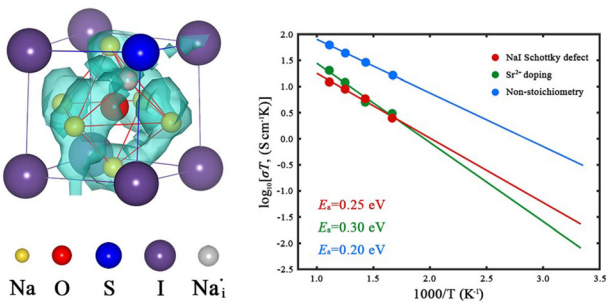
Investigation of the sodium-ion transport mechanism and elastic properties of double anti-perovskite $Na_3S_{0.5}O_{0.5}I$

Sen Lian, Congcong Li, Chen Kang, Junfeng Ren and Meina Chen*



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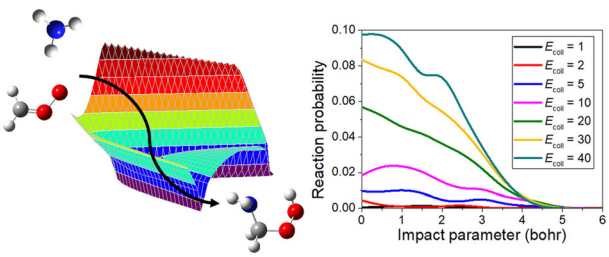
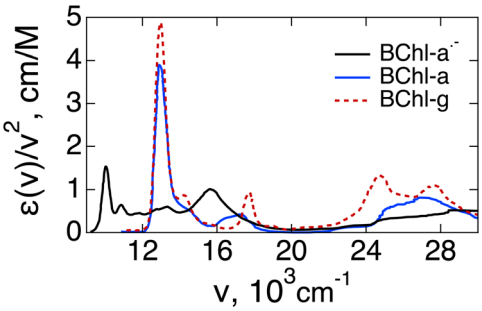
Full-dimensional automated potential energy surface development and detailed dynamics for the $CH_2OO + NH_3$ reaction

Cangtao Yin* and Gábor Czakó*



COMMENT



Comment on "Applicability of perturbed matrix method for charge transfer studies at bio/metallic interfaces: a case of azurin" by O. Kontkanen, D. Biriukov and Z. Futera, *Phys. Chem. Chem. Phys.*, 2023, 25, 12479

Setare Mostajabi Sarhangi and Dmitry V. Matyushov*

CORRECTION

Correction: Induced UV photon sensing properties in narrow bandgap CdTe quantum dots through controlling hot electron dynamics

Thankappan Thrupthika, Devaraj Nataraj,* Subramaniam Ramya, Arumugam Sangeetha and T. Daniel Thangadurai