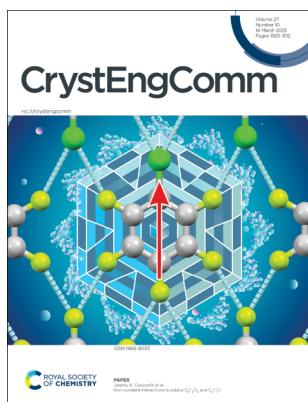


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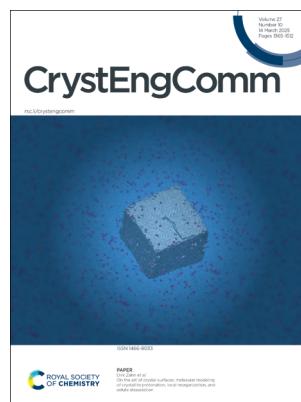


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See Jeremy K. Cockcroft et al.,

pp. 1386–1391.

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See Dirk Zahn et al.,

pp. 1392–1398.

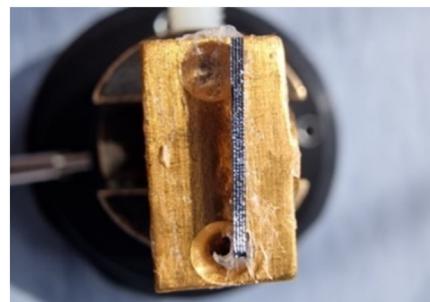
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### Second-harmonic generation in OP-GaAs<sub>0.75</sub>P<sub>0.25</sub> heteroepitaxially grown from the vapor phase

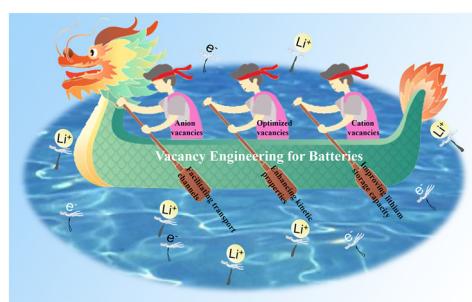
Li Wang, Shivashankar R. Vangala, Stefan Popien, Marcus Beutler, J. Matthew Mann, Vladimir L. Tashev, Edlef Büttner and Valentin Petrov\*



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### Controllable preparation of cation vacancy-modulated oxygen defect Mn<sub>2-x</sub>P<sub>2</sub>O<sub>7-y</sub> anodes to enhance lithium storage performance

Zhengen Sun, Ning Zhang, Yanjun Cai, Qingrong Kong, Xiang Yao, Hualing Tian, Ziyun Ma, Yang Zhang\* and Zhi Su\*





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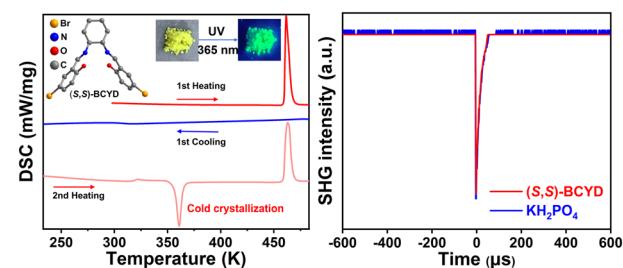


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**A photoluminescent second-order nonlinear optical molecular crystal with cold crystallization**

Xin Shen, Jun-Chao Qi, Hang Peng, Zhang-Tian Xia, Yong-Ju Bai, Hui-Ping Chen, Zhen-Yu Wang, Tian-En Yang, Yan Qin\* and Wei-Qiang Liao\*

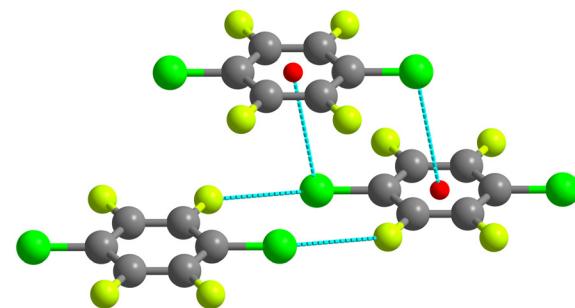


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**Non-covalent interactions in solid *p*-C<sub>6</sub>F<sub>4</sub>Cl<sub>2</sub> and C<sub>6</sub>F<sub>5</sub>Cl**

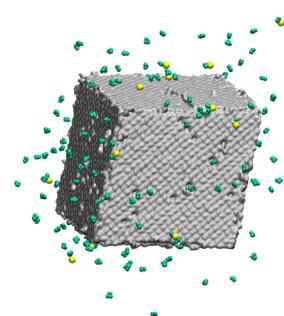
Joseph C. Bear, Alexander Rosu-Finsen and Jeremy K. Cockcroft\*



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**On the p*K* of crystal surfaces: molecular modeling of crystallite protonation, local reorganization, and solute dissociation**

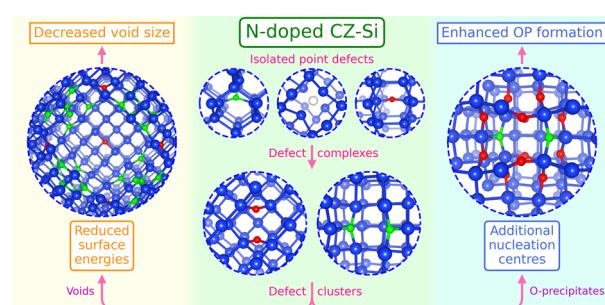
Patrick Duchstein, Moritz Macht and Dirk Zahn\*



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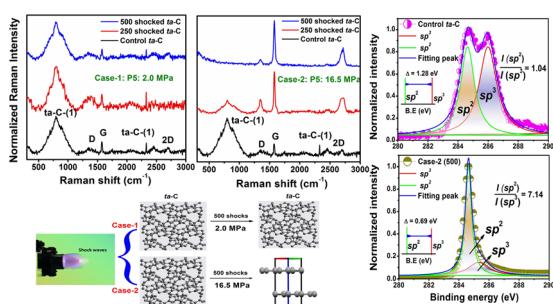
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Zirui He, Xiang Lu, Haojun Hu, Siqing Shen, Yongli Liang, Shang-Peng Gao,\* Hao Hu\* and Meng Chen\*



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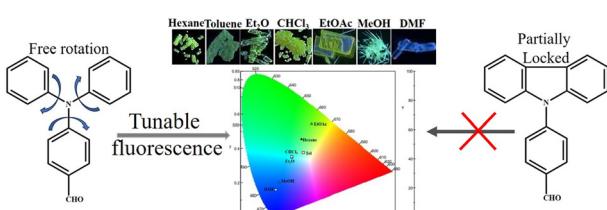
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### Acoustic shock wave-induced $sp^3$ -to- $sp^2$ type solid-state phase transition: a case study on tetrahedral amorphous carbon

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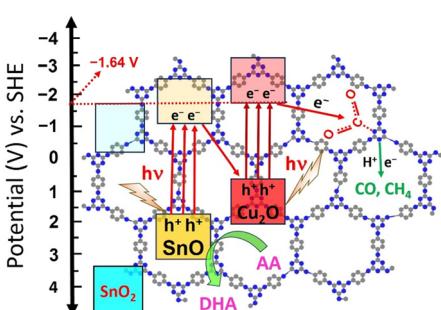
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### Crystallization solvent-induced fluorescence tuning by subtle conformational change in a conformationally flexible fluorophore

Sasikala Ravi, R. Rameshbabu Priyadharsan, Subramanian Karthikeyan, Mehboobali Pannipara, Abdullah G. Al-Sehemi, Dohyun Moon\* and Savarimuthu Philip Anthony\*

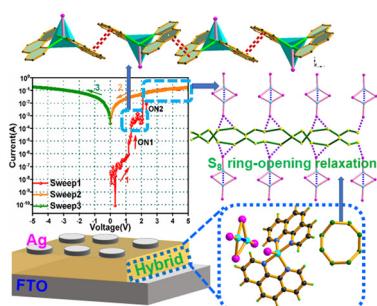
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### Ternary resistive switching memory of copper-organic complex/iodocuprate/sulfur hybrid enabled by $\pi$ - $\pi$ interactions and $S_8$ relaxation

Huifang Li, Yiqun Gao, Xi Lin, Ke Li, Xiaoli Lin, Haohong Li\* and Huidong Zheng\*

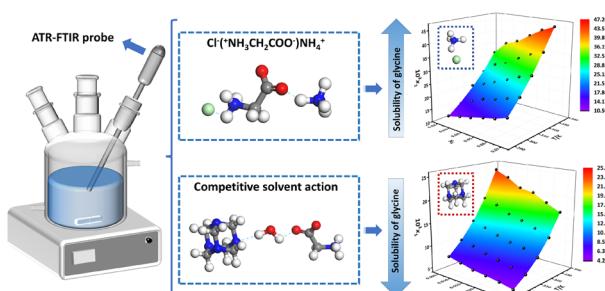


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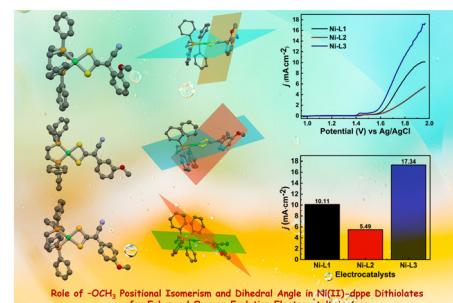
Zhihao Wang, Yixin Ma, Yan Zhang,\* Li Yang, Songlin Zheng, Jingcai Cheng\* and Chao Yang



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## Unravelling the role of -OCH<sub>3</sub> positional isomerism and dihedral angle in Ni(II)-dppe dithiolates for enhanced heterogeneous electrocatalytic oxygen evolution reaction (OER)

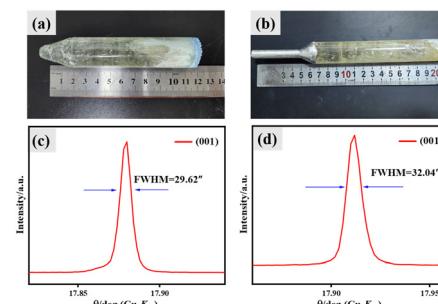
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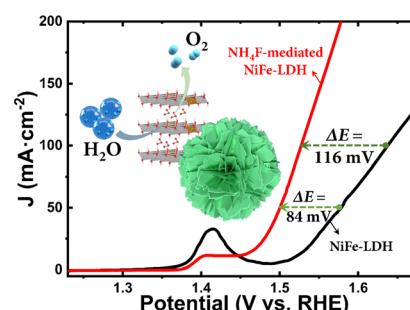
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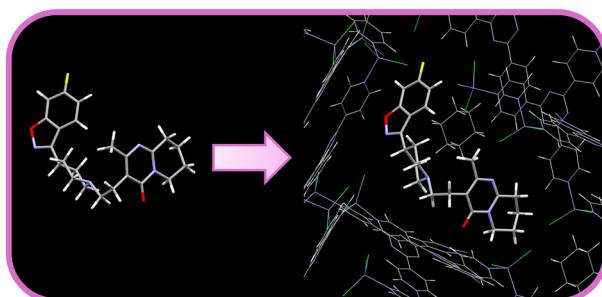
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Xinyi Feng, Xiaodong Hao,\* Xuan Zhao, Yangchun Guo, Shufang Ma, Bingshe Xu, Hui Liu\* and Bo Gao\*



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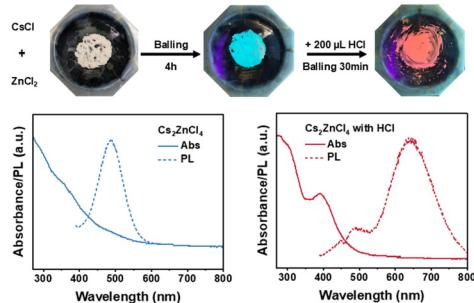
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**The influence of the crystal sponge framework on guest molecule conformation**

Eleanor M. Soper, Simon J. Coles and Graeme M. Day\*

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Siyu Li, Jiali Yao, Dayang Wang, Keke Huang, Wensheng Yang and Renguo Xie\*

