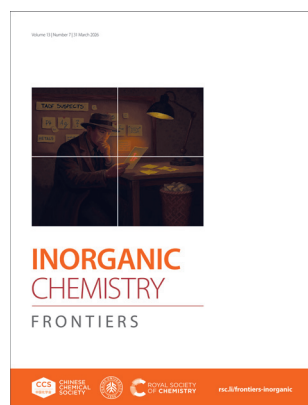


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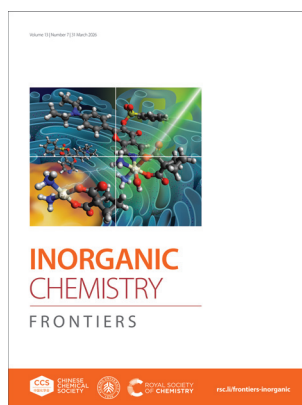
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See Piotr Pander *et al.*, pp. 2816–2834.

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Inside cover

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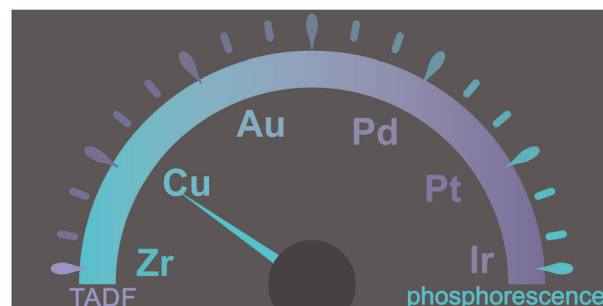
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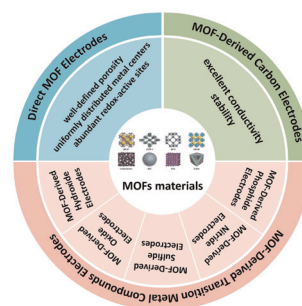
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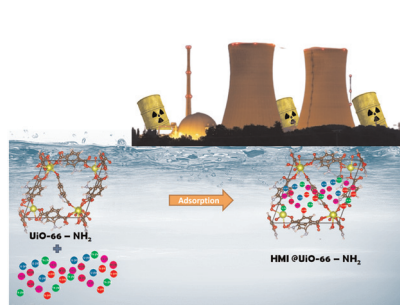
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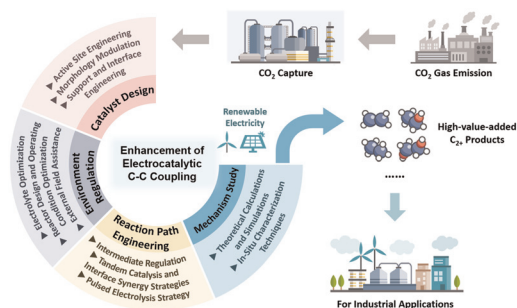
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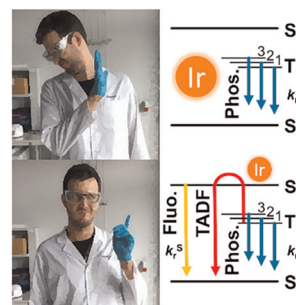


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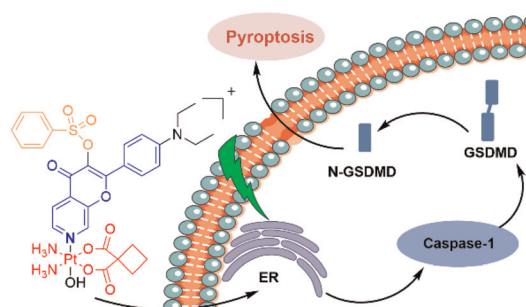
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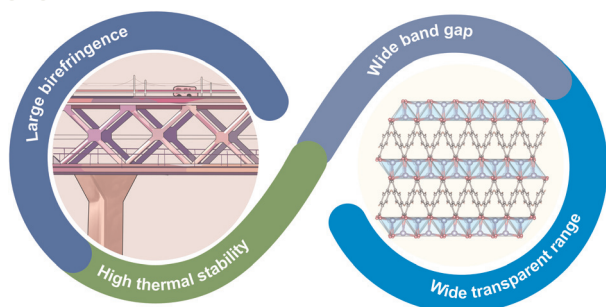
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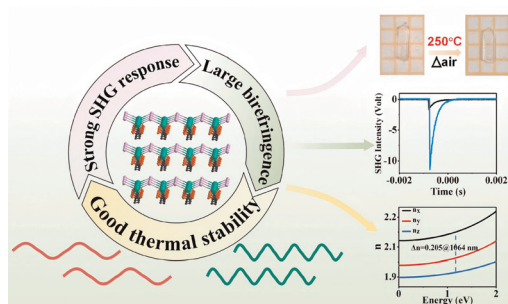
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Ping Wang, Qiya Huang, Xiaoli Meng, Lehui Liu, Qi Wu* and Hongming Liu*

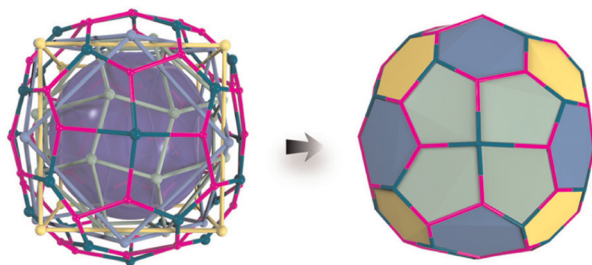
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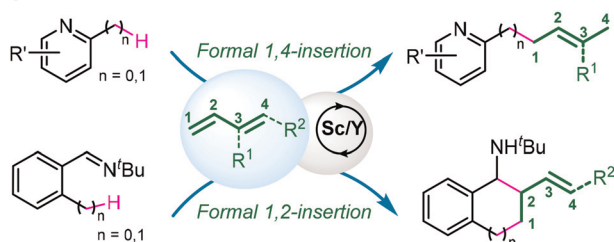
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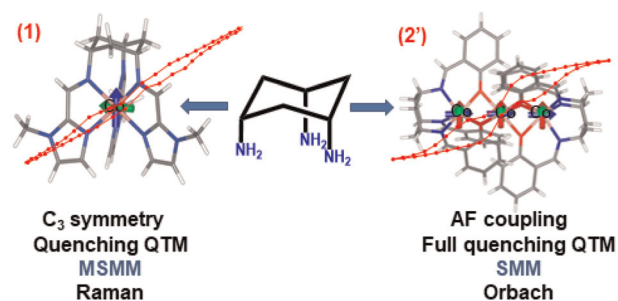


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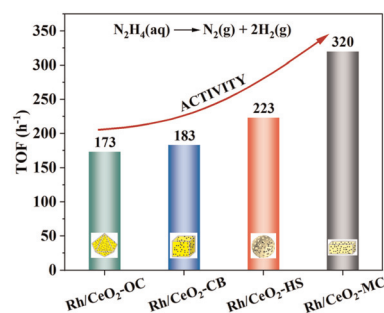
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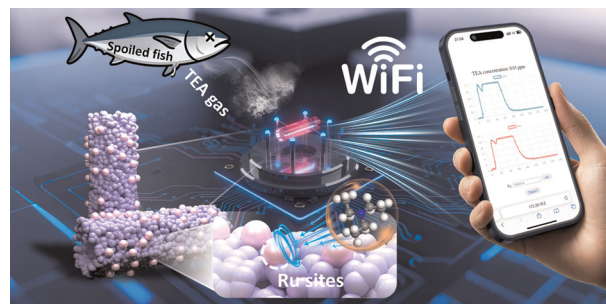
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A wireless gas sensing system enabling real-time seafood freshness monitoring based on Ru-In₂O₃ microtubes with dual-enhanced sensitivity and selectivity

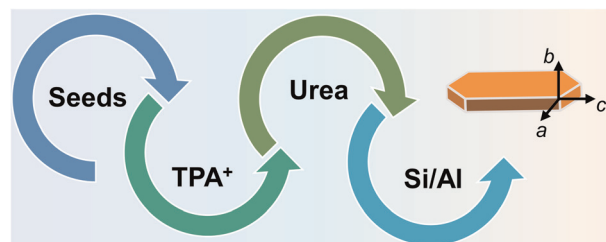
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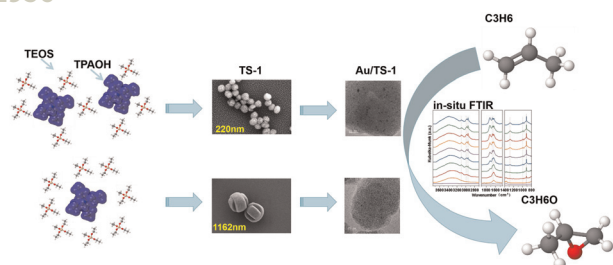
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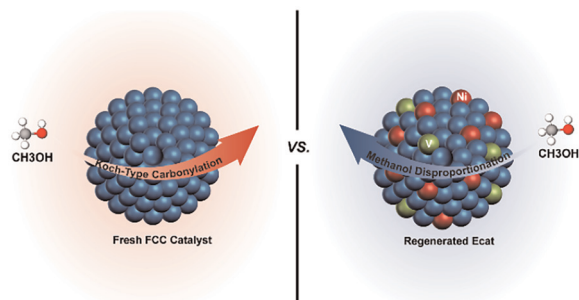
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Yupeng Tian, Yujia Liu, Chenyang Zhao, Mingzhi Li, Xinmei Liu, Bing Sun* and Wei Xu*

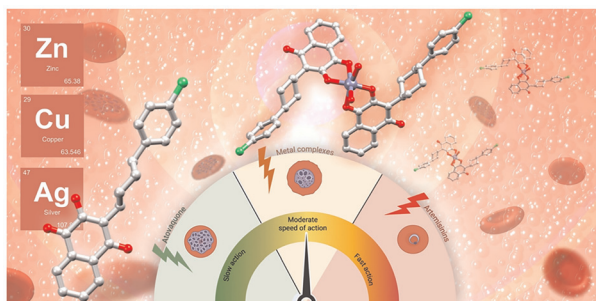
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Repurposing fluid catalytic cracking catalysts for methanol conversion: route selection and deactivation of fingerprints

Yunfan Wang, Xin Zhang, Jiaqi Zhao, Xinyu You, Jiangcheng Li, Zhengxing Qin* and Abhishek Dutta Chowdhury*

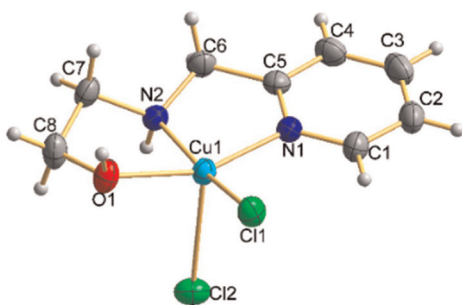
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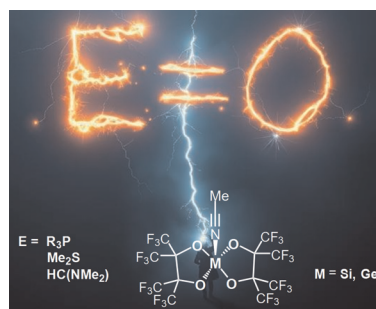


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Lewis superacids for catalytic reductions of stronger element–oxygen double bonds with hydrosilanes

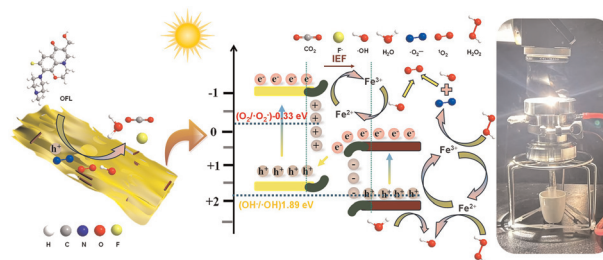
Daniel Franz, Thomas R. Frost, Sebastian Stigler and Shigeyoshi Inoue*



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Oxygen-free wastewater treatment system constructed using FeWO₄@CN S-scheme heterojunction photocatalyst coupled with H₂O₂ activation

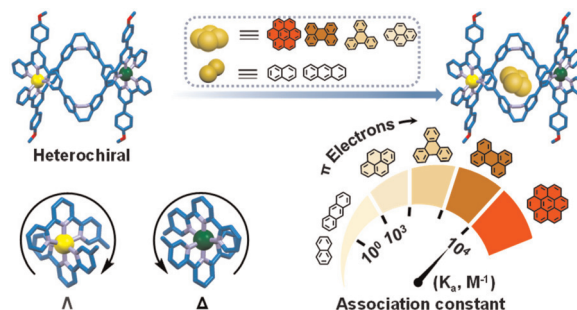
Weipeng Liu, Fengmei Yang, Yuanguo Xu,* Puyang Zhou, Yan Wang, Changkun Xia,* Yilin Deng, Guisheng Zhu and Meng Xie*



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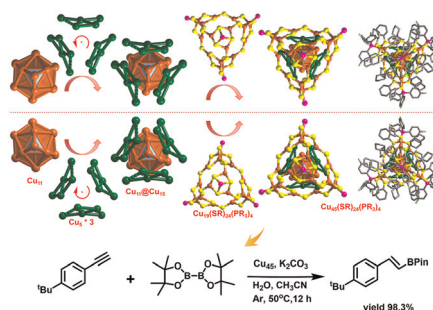
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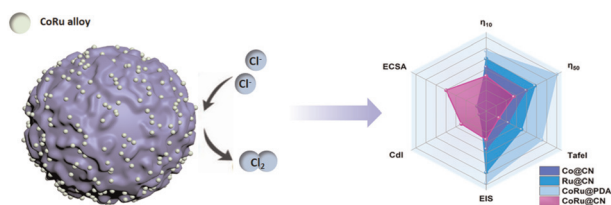
Core–shell [Cu₄₅(C₆H₁₁S)₂₄(P(PhF)₃)₄H₁₉]²⁺ nanocluster: synthesis, structure and catalytic hydroboration

Hang Yu, Jianmei Jia, Tao Yang, Kai Chen, Shan Jin,* Lin Xiong* and Manzhou Zhu*



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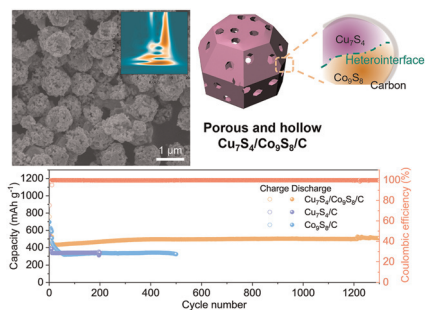
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A strain-modulated CoRu alloy supported on nitrogen-doped carbon nanospheres for defect-driven industrial chlorine evolution electrocatalysis

Bo Zhang, Qiqi Zhang, Ru Xiao, Xiaoxuan Min, Huiqi Jia, Kang Liu, Ying Deng,* Zhenyu Xiao* and Lei Wang*

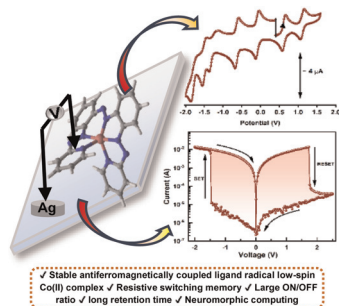
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Designing a binary sulfide/carbon polyhedron for secondary batteries with high electrochemical and thermal performances

Yongmei Hua, Fengming Ma, Jiaqi Gu, Huizi Songtian, Fan Zhou, Yang Lu, Xiang Fang, Lulu Mu, Xulai Yang, Yin Peng,* Jinjin Li,* Qiye Zheng* and Jinyun Liu*

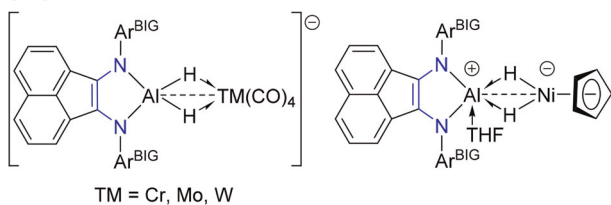
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A tris-azo anion radical ligand-wrapped singlet Co(II) complex with multiple redox for an efficient molecular memristor towards neuromorphic computing

Swati Rani, Priya Kaith, Swayang Priya Mahanta, Muskan, Nisha Yadav, Avtar Changotra, Subhankar Bedanta, Prathapa Siritraya Jagannathae, Ashok Bera* and Subhas Samanta*

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Tatyana S. Koptseva, Evgeny V. Baranov, Sergey Yu. Ketkov* and Igor L. Fedushkin*

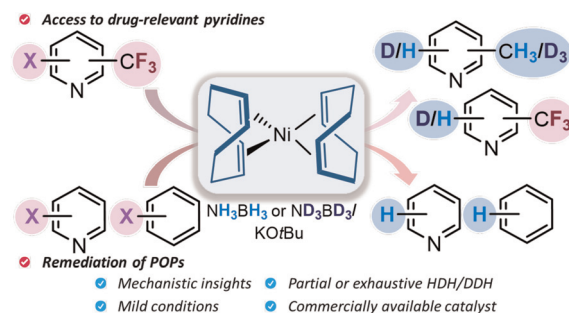


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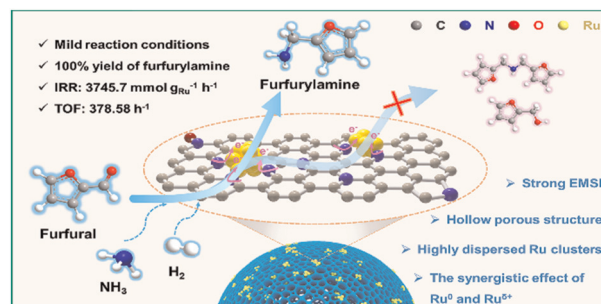
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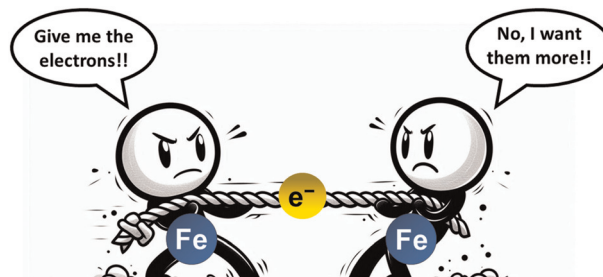
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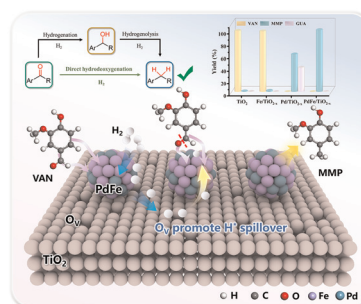
Maximilian Widmann, Zihan Zhang, Anja Rehse, Gábor Balázs, Alexey Y. Timoshkin, Karsten Meyer, Rainer Winter and Manfred Scheer*



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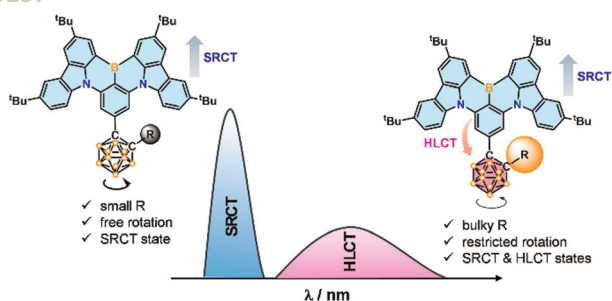
Oxygen vacancy-enhanced hydrogen spillover on a bifunctional PdFe/TiO_{2-x} catalyst for highly selective direct hydrodeoxygenation of carbonyl compounds

Chaofan Deng and Chun Cai*



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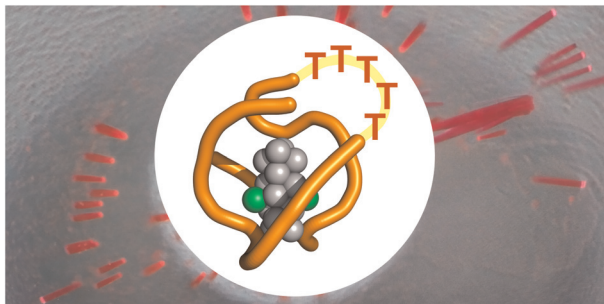
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Young Hoon Lee, Rafi Muhammad Lutfi, Junseong Lee, Eunsung Lee, Jaehoon Jung* and Min Hyung Lee*

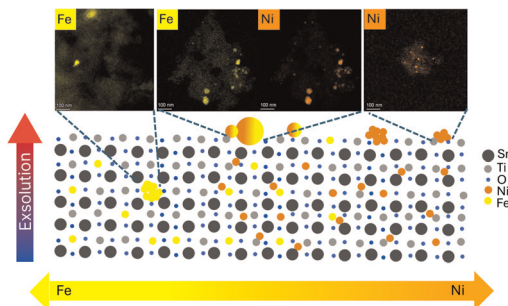
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Bridging the gap: thymine segments to create single-stranded versions of DNA₂-[Ag₁₆Cl₂]⁸⁺

Vanessa Rück,* Hiroki Kanazawa, Zhiyu Huang, Christian Brinch Mollerup, Leila Lo Leggio, Jiro Kondo* and Tom Vosch*

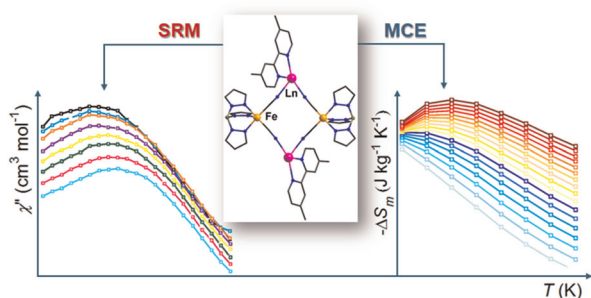
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