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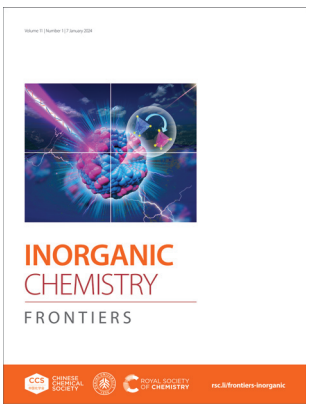


**Cover**
See Xiao-Song Zhang *et al.*, pp. 71–84.

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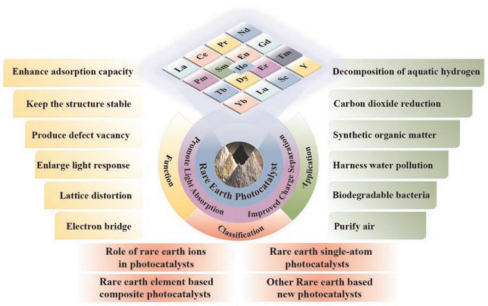


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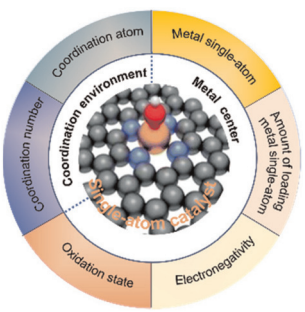

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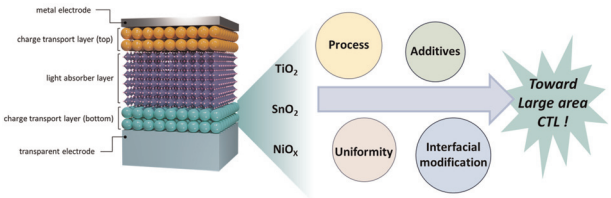
**Towards scalability: progress in metal oxide charge transport layers for large-area perovskite solar cells**

Seongmin Choi, Taeyeong Yong and Jongmin Choi*

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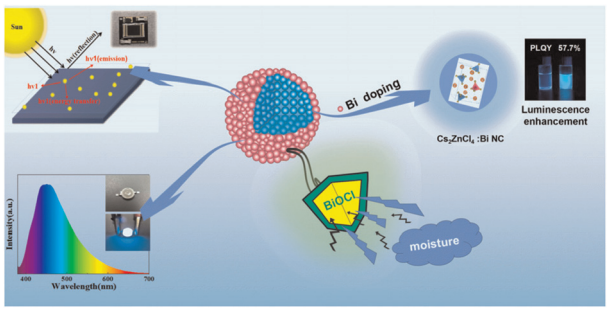


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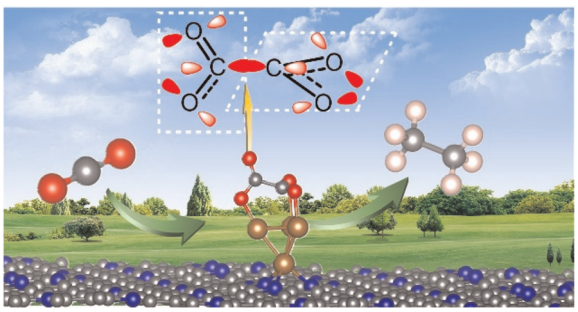

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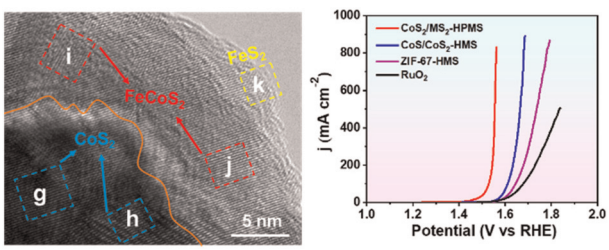

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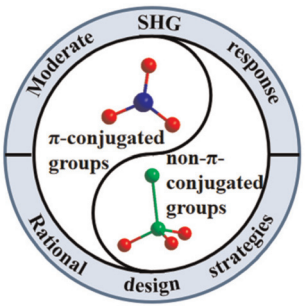


**$Na_{10}Zn(NO_3)_4(SO_3S)_4$: a nonlinear optical crystal combining inorganic π-conjugated and non-π-conjugated heteroanion groups**

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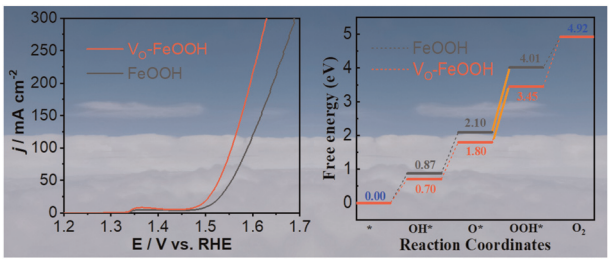


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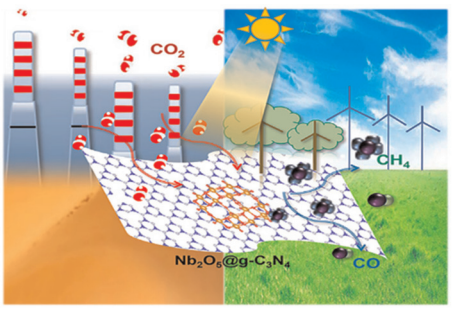


**Efficient $Nb_2O_5$@g-$C_3N_4$ heterostructures for enhanced photocatalytic $CO_2$ reduction with highly selective conversion to $CH_4$**

Xiaofeng Wang, Jingwen Jiang, Lilian Wang and Hong Guo*

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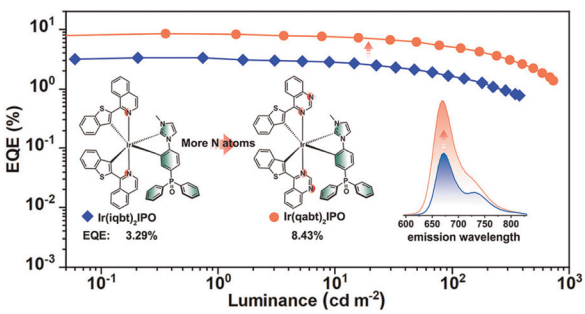


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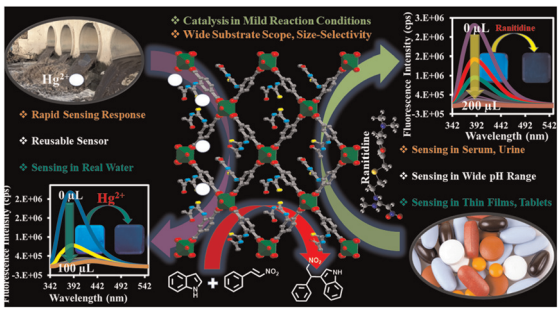


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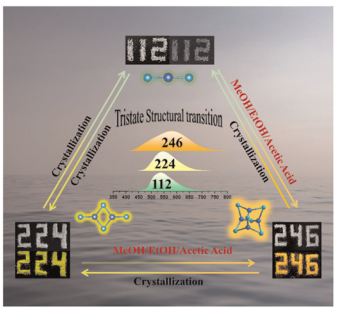


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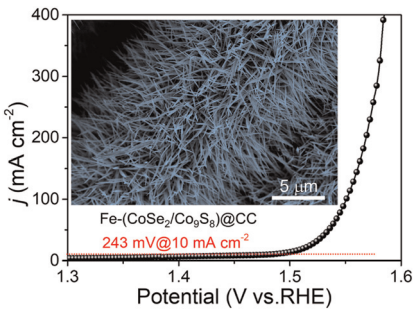


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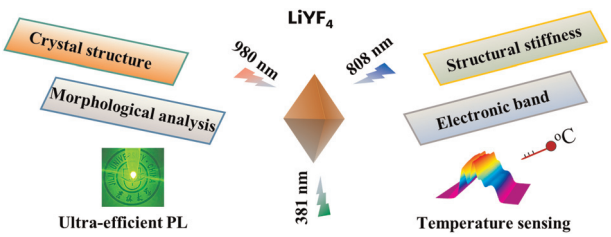

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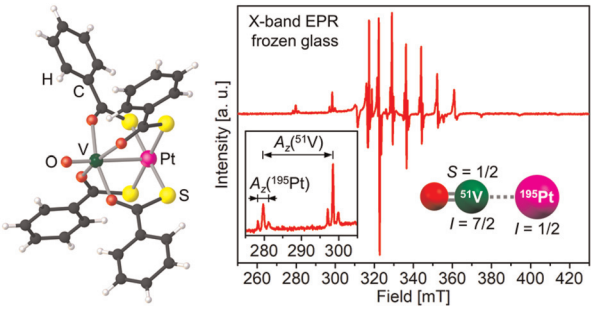


**Quantum spin coherence and electron spin distribution channels in vanadyl-containing lantern complexes**

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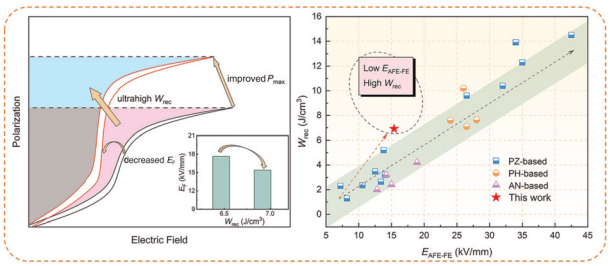


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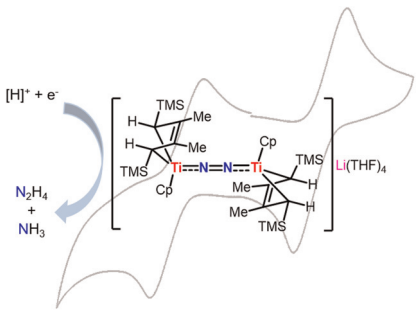


**Dinitrogen activation by a titanium hydride complex supported by 2-butene ligand**

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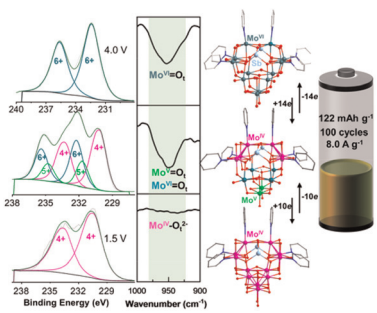


**14-electron reduced $Mo_6^{IV}$-ε-Keggin polyoxometalates: highly stable and reversible electron/$Li^+$ sponge materials**

Jie Zi, Meng Cao, Fang Yu, Cuiming Ren, Ruili Sang and Li Xu*



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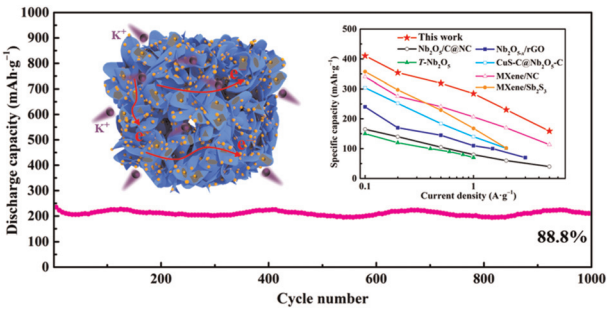
Cong Liu, Zhitang Fang, Weizhi Kou, Xiaoge Li, Jinhua Zhou, Gang Yang, Luming Peng, Xuefeng Guo, Weiping Ding and Wenhua Hou*

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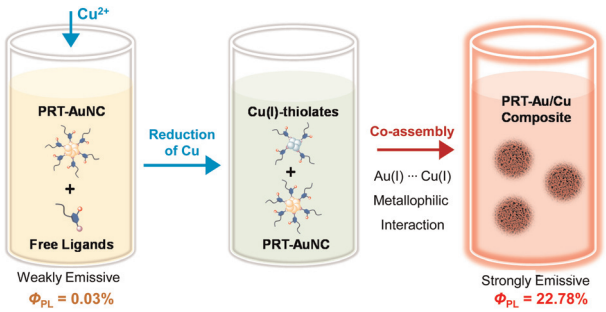
Yongjie Zhang,* Luyao Feng, Jingyan Luan, Guomei Zhang, Ning Sheng and Jinglin Shen*

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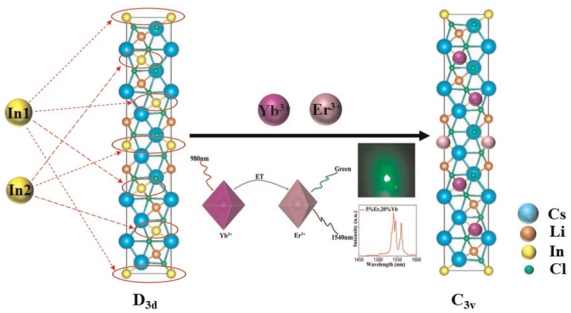
Qiudong Duan, Yusheng Xu, Ruijing Yang, Dongfeng Hong, Dacheng Zhou, Qi Wang, Yong Yang, Jin Han, Yugeng Wen* and Jianbei Qiu*

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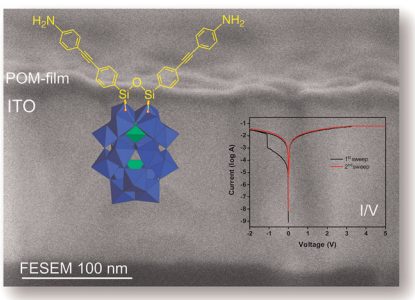

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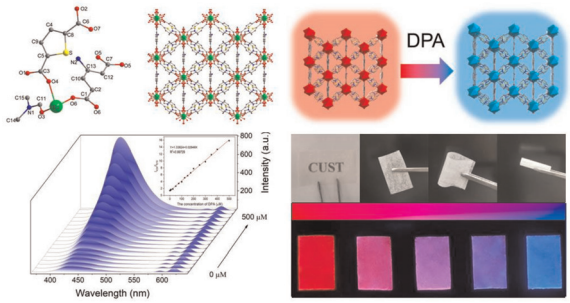


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Runnan Wang, Hao Zhang, Jing Sun* and Zhongmin Su*

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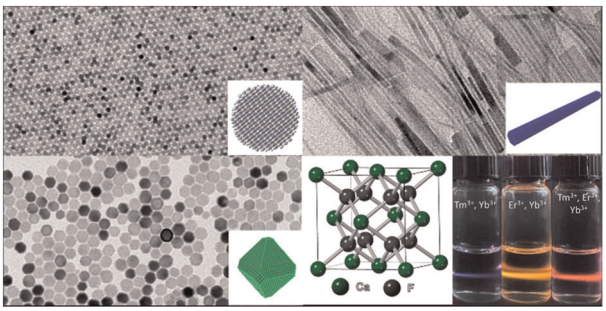

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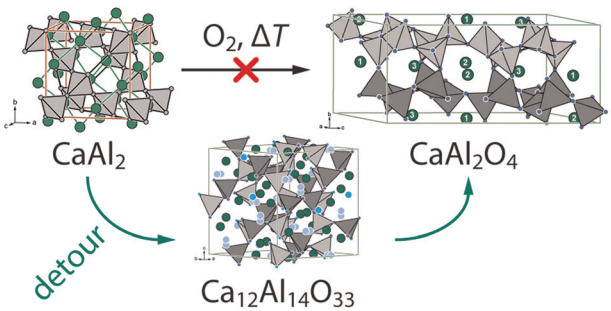


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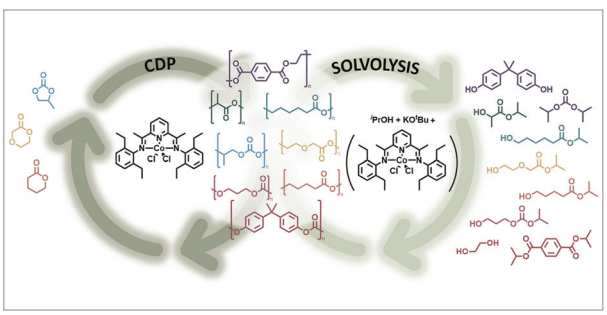


**Divergent methods for polyester and polycarbonate depolymerization with a cobalt catalyst**

Kai D. Knight and Megan E. Fieser*



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