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See Xiaoyu Wu and Jianwen Jiang, pp. 16467–16479.
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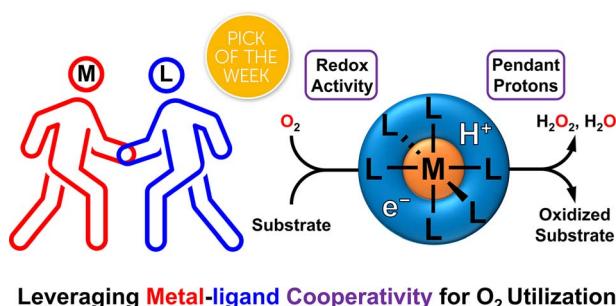
See Paola Posocco, Volodymyr Sashuk et al., pp. 16480–16484. Image reproduced by permission of Volodymyr Sashuk from *Chem. Sci.*, 2024, 15, 16480. Artwork created by Sofiya Sashuk.

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Leveraging ligand-based proton and electron transfer for aerobic reactivity and catalysis

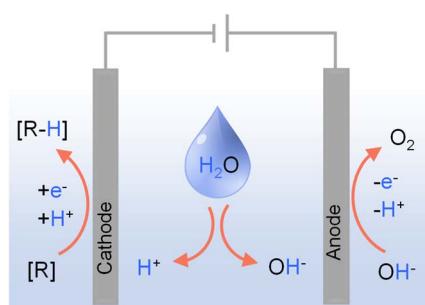
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Bidyut Kumar Kundu and Yujie Sun*





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REVIEW

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Flexible piezoelectric materials and strain sensors for wearable electronics and artificial intelligence applications

Yanyu Chen, Xiaohong Zhang and Chao Lu*



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Precision-engineered metal–organic frameworks: fine-tuning reverse topological structure prediction and design

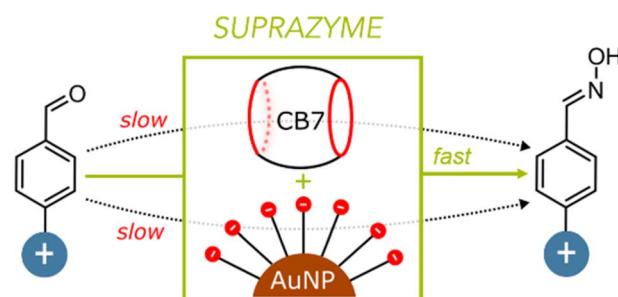
Xiaoyu Wu and Jianwen Jiang*



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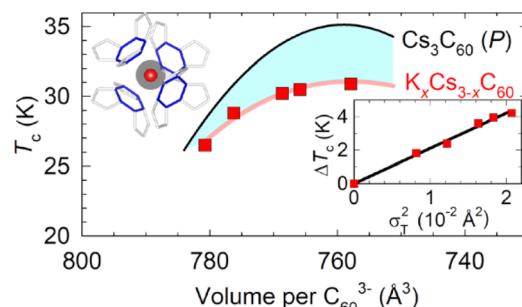
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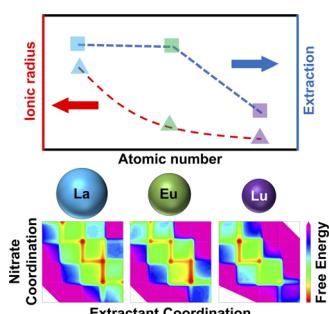
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H. Esma Okur, Ross H. Colman, Yasuhiro Takabayashi, Peter Jeglič, Yasuo Ohishi, Kenichi Kato, Denis Arčon, Yoshiki Kubota and Kosmas Prassides*



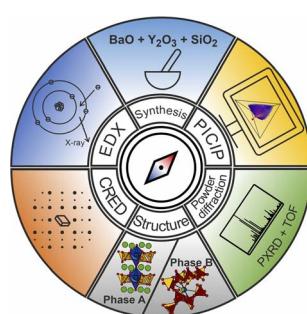
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**Metadynamics investigation of lanthanide solvation free energy landscapes and insights into separations energetics**

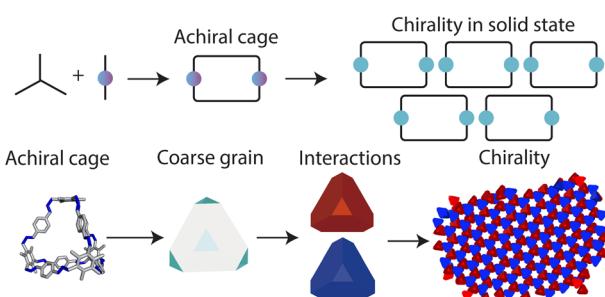
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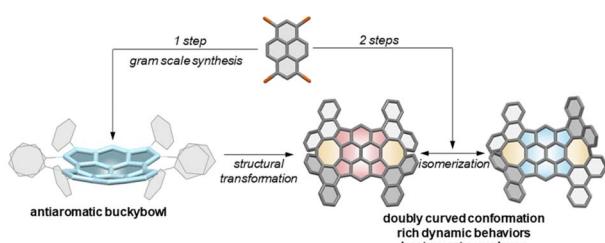
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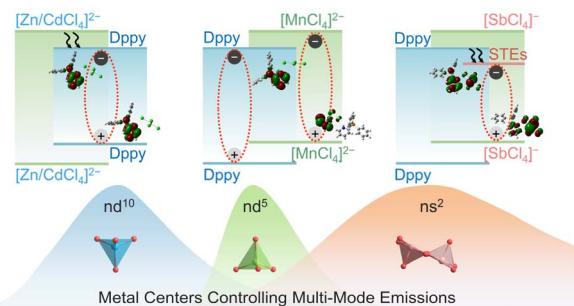


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Optical activity levels of metal centers controlling multi-mode emissions in low-dimensional hybrid metal halides for anti-counterfeiting and information encryption

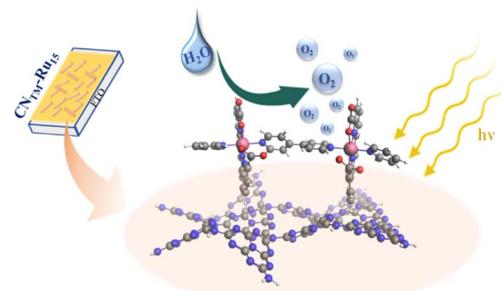
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Supramolecular interaction of a molecular catalyst with a polymeric carbon nitride photoanode enhances photoelectrochemical activity and stability at neutral pH

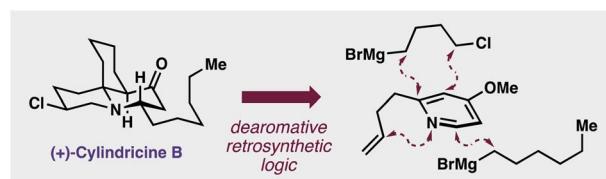
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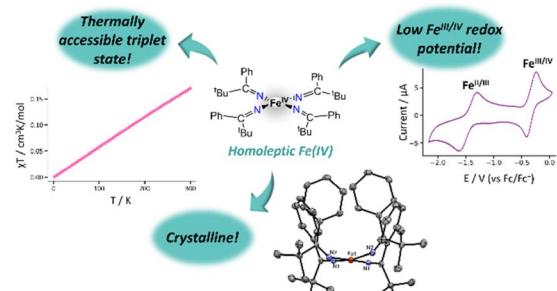
Dallas M. Dukes, Victor K. Atanassov and Joel M. Smith*



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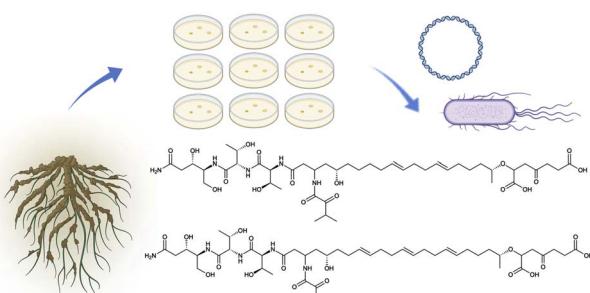
A homoleptic Fe(IV) ketimide complex with a low-lying excited state

Phoebe R. Hertler, Arturo Sauza-de la Vega, Andrea Darù, Arup Sarkar, Richard A. Lewis, Guang Wu, Laura Gagliardi* and Trevor W. Hayton*



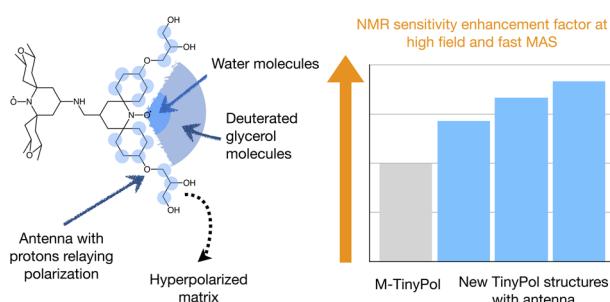
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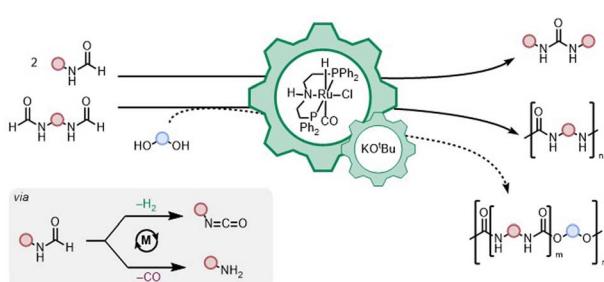
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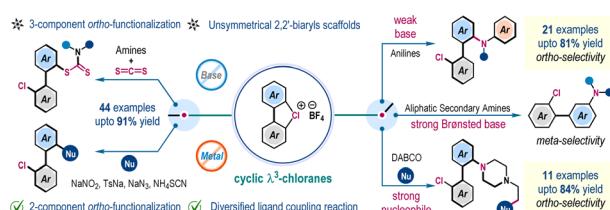
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Koushik Patra, Manas Pratim Dey and Mahiuddin Baidya*

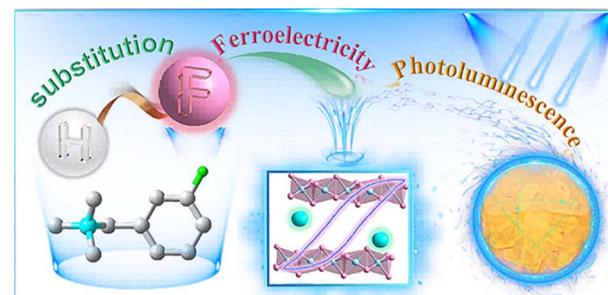


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The H/F substitution strategy can achieve large spontaneous polarization in 1D hybrid perovskite ferroelectrics

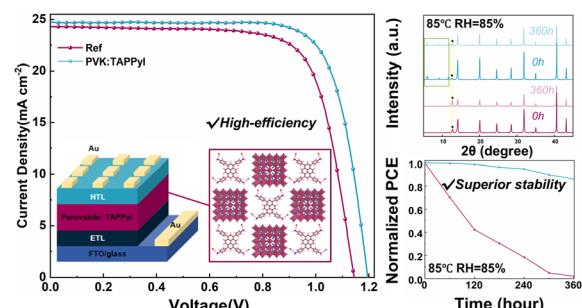
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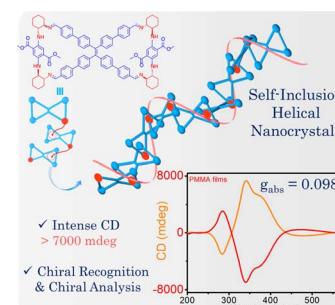
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Highly enhanced chiroptical effect from self-inclusion helical nanocrystals of tetraphenylethylene bimacrocycles

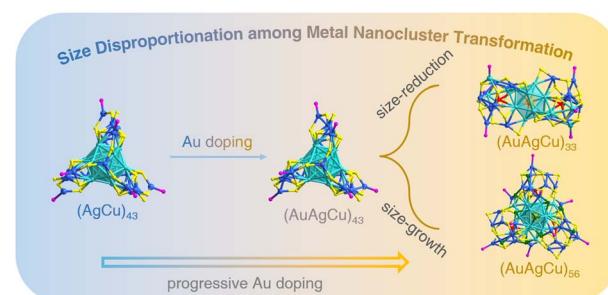
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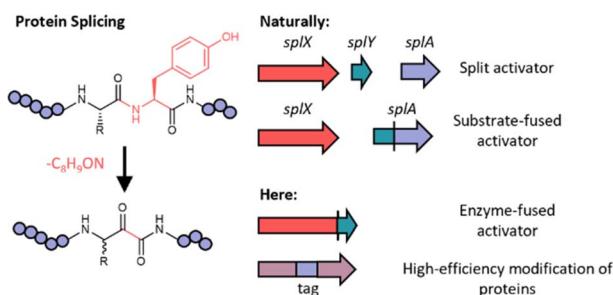
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Chen Zhu, Luyao Lu, Fei Li, Xi Kang* and Manzhou Zhu



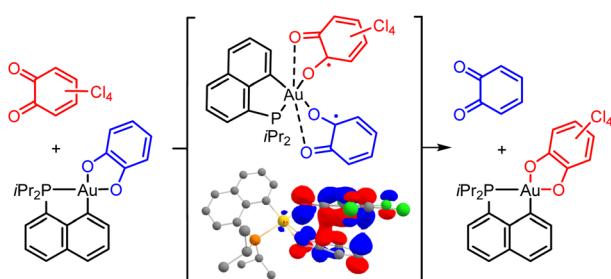
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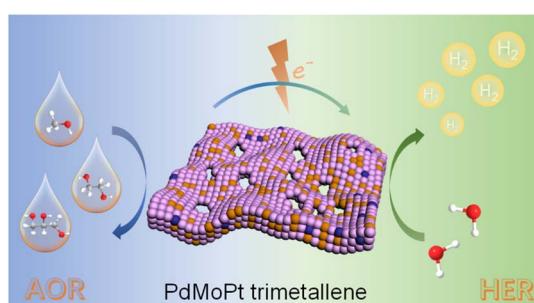
Daniel Richter, Alicia Courvoisier-Clément, Anna Lisa Vagstad, Sarolt Magyari and Jörn Piel*

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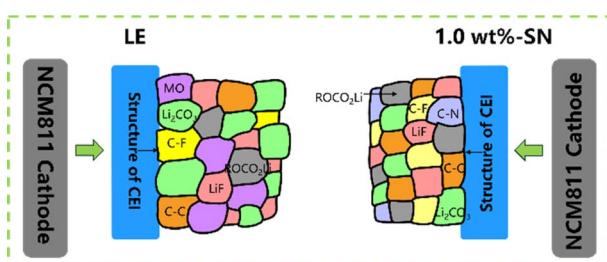
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Ziye Wang, Yingshuai Wang, Yuhang Xin, Qingbo Zhou, Xiangyu Ding, Lei Liu, Tinglu Song, Feng Wu, Zhongbao Wei* and Hongcai Gao*

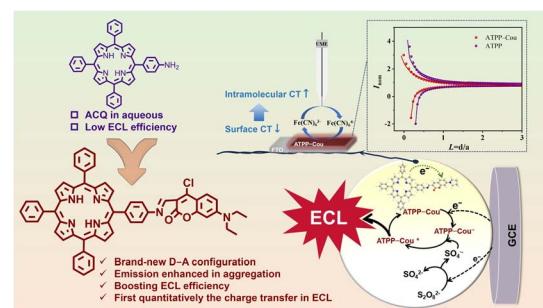


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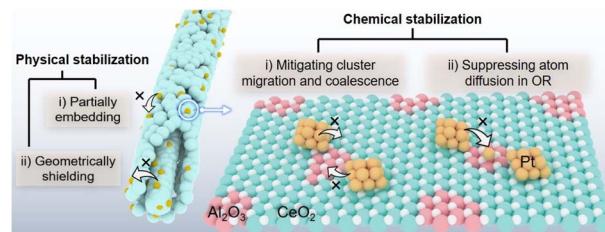
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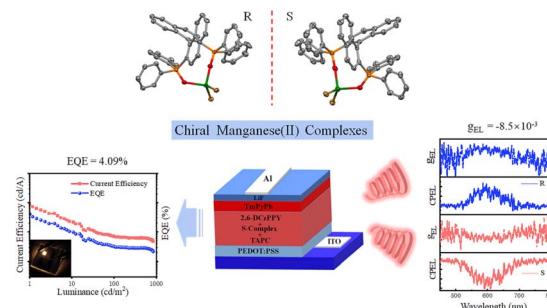
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Highly efficient circularly polarized electroluminescence based on chiral manganese(II) complexes

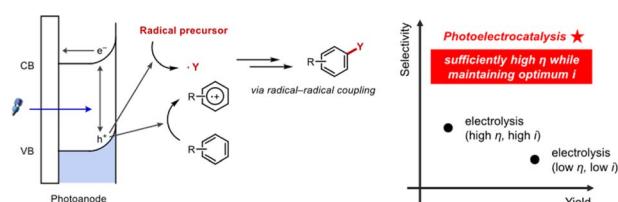
De-Hao Kong, Yue Wu, Cui-Mi Shi, Hao Zeng, Liang-Jin Xu* and Zhong-Ning Chen*



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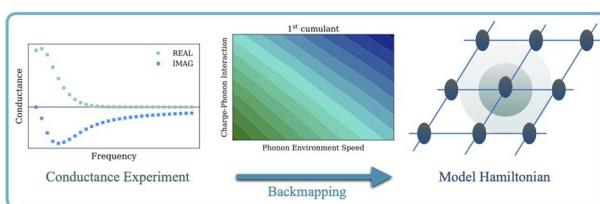
A photoelectrocatalytic system as a reaction platform for selective radical–radical coupling

Sunghwan Won, Dongmin Park, Younsung Jung,* Hyunwoo Kim* and Taek Dong Chung*

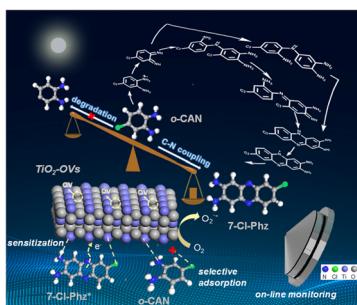


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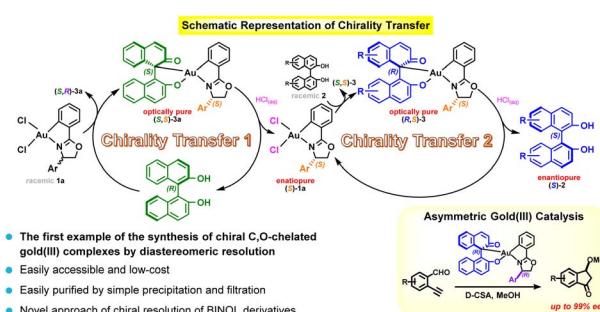
**Mori generalized master equations offer an efficient route to predict and interpret polaron transport**Srijan Bhattacharyya, Thomas Sayer
and Andrés Montoya-Castillo*

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**Competitive photooxidation of small colorless organics controlled by oxygen vacancies under visible light**

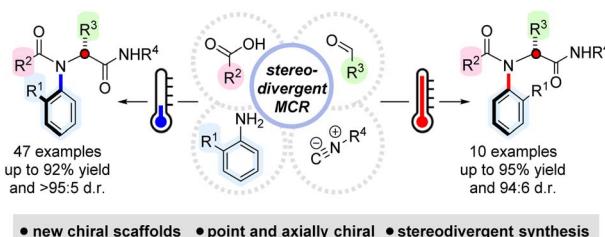
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Natalie J. Roper, Aaron D. G. Campbell, Paul G. Waddell, Alistair K. Brown, Kristaps Ermanis* and Roly J. Armstrong*

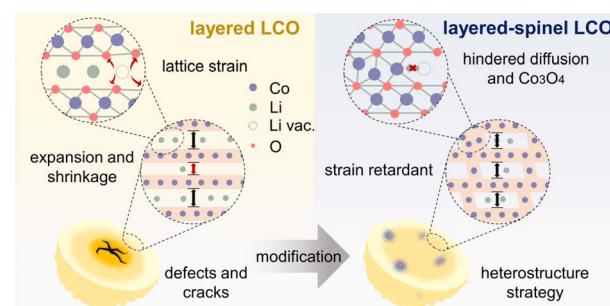


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Does “zero-strain” lithiated spinel serve as a strain retardant and an irreversible phase transition regulator for layered oxide cathodes?

Zixin Wu, Qizheng Zheng, Guiyang Gao, Jianhua Yin, Leiyu Chen, Yonglin Tang, Yawen Yan, Huan Huang,* Yaru Qin,* Xiaoxiao Kuai,* Yu Qiao* and Shi-Gang Sun



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Enhanced catalytic activity of solubilised species obtained by counter-cation exchange of K⁺{Co^{II}_{1.5}[Fe^{II}(CN)₆]} for water oxidation

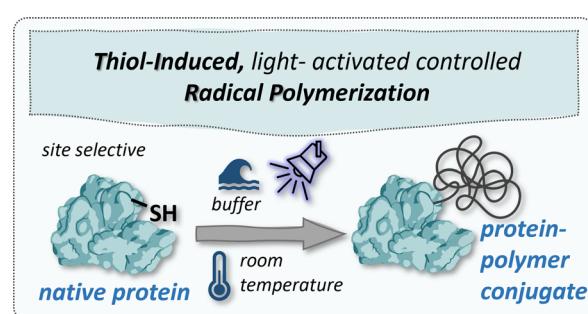
Yusuke Seki, Takashi Nakazono, Hiroyasu Tabe and Yusuke Yamada*



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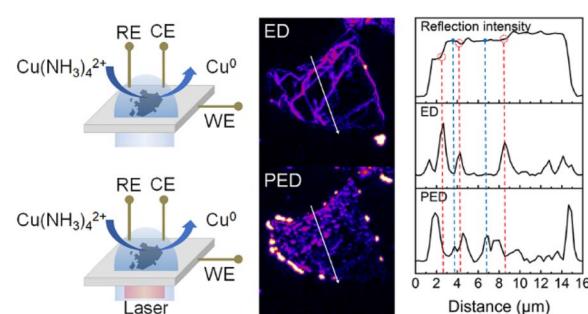
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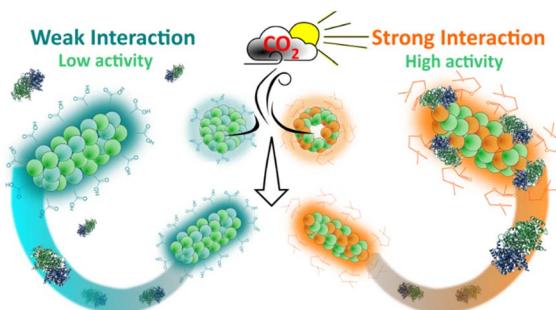
Wide-field imaging of active site distribution on semiconducting transition metal dichalcogenide nanosheets in electrocatalytic and photoelectrocatalytic processes

Lisi Wen, Houkai Chen and Rui Hao*



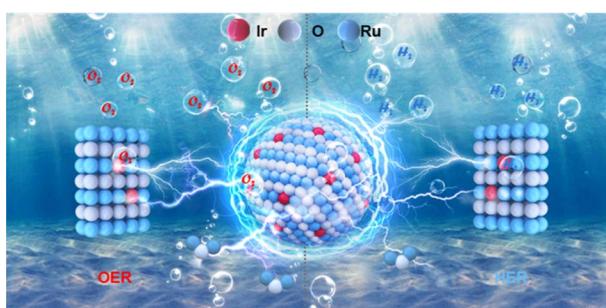
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Mariia V. Pavliuk, Maximilian Böhm, Janna Wilhelmsen, Steffen Hardt, Henrik Land and Haining Tian*

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**Dual active site-mediated Ir single-atom-doped RuO_2 catalysts for highly efficient and stable water splitting**

Zhenhua Tao, Ning Lv, Hongyu Zhao, Xu Luo, Zilan Li, Jun Yu, Lei Chen, Xupo Liu and Shichun Mu*

CORRECTION

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Correction: The mechanism of the molecular CISS effect in chiral nano-junctions

Thi Ngoc Ha Nguyen, Georgeta Salvan, Olav Hellwig, Yossi Paltiel, Lech Tomasz Baczewski and Christoph Tegenkamp*