

# Catalysis Science & Technology

A multidisciplinary journal focussing on all fundamental science and technological aspects of catalysis

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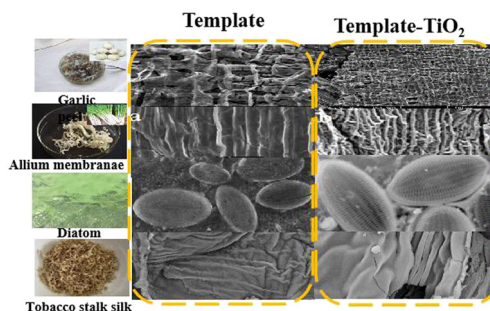
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See Edwin K. L. Yeow *et al.*,  
pp. 66–75.  
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Edwin K. L. Yeow from  
*Catal. Sci. Technol.*,  
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Andrey Fedulin and Axel Jacobi von Wangelin\*



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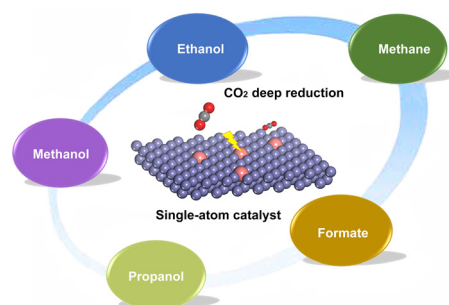


## REVIEWS

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Strategies for the proton-coupled multi-electron reduction of CO<sub>2</sub> on single-atom catalysts

Zhiyuan Zheng, Yiming Yue, Hongying Zhuo, Qinggang Liu\* and Yanqiang Huang

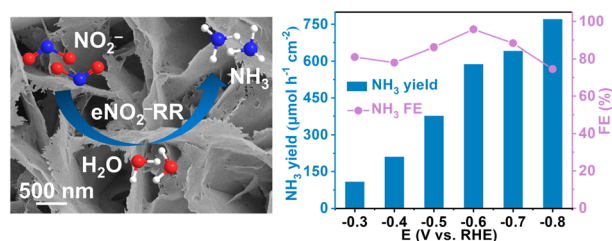


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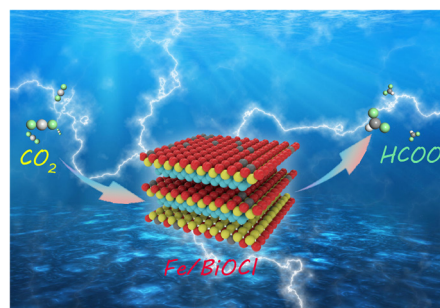
Chenggang Xu,\* Yimei Liang, Xun He, Ailin Zhang, Ling Ouyang, Long Hu, Xiaoya Fan, Yongsong Luo, Dongdong Zheng, Shengjun Sun, Asmaa Farouk, Mohamed S. Hamdy and Xuping Sun\*



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Fengwu Tian, Tian Tang, Xixi Di, Xiaosha Guo, Dong Liu, Yixuan Shi, Zheng Shen, Xiaohu Yu and Xianzhao Shao\*



## PAPERS

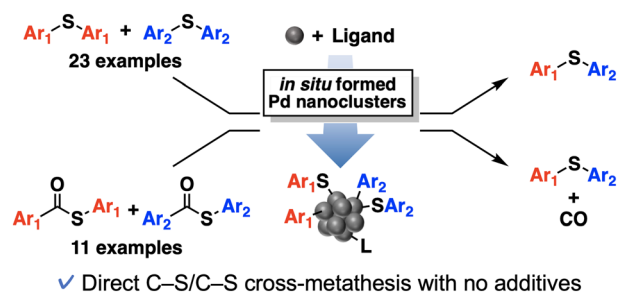
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Towards catalytic redox-active iridium polypyridyl complex by *in situ* photosubstitution

Yi Zhen Tan, Xiangyang Wu, Yunpeng Lu, Shunsuke Chiba and Edwin K. L. Yeow\*



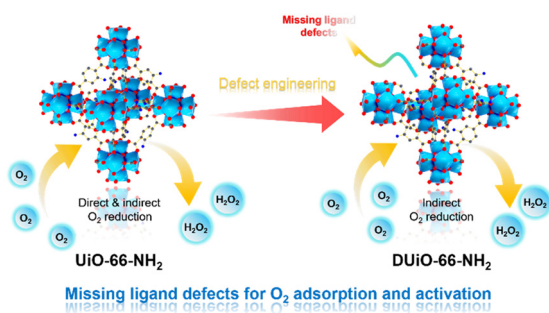
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Takehiro Matsuyama, Takafumi Yatabe,\* Tomohiro Yabe and Kazuya Yamaguchi\*

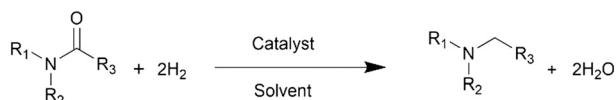
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Yong Tang, Jianhao Qiu,\* Dingliang Dai, Guanglu Xia, Lu Zhang and Jianfeng Yao\*

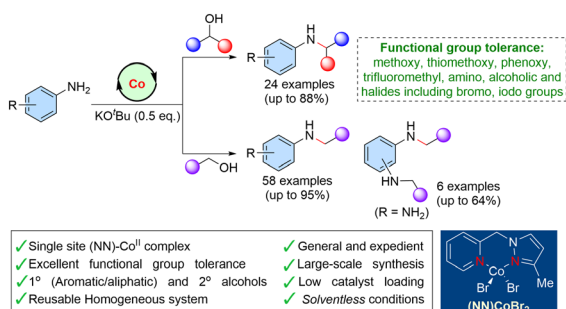
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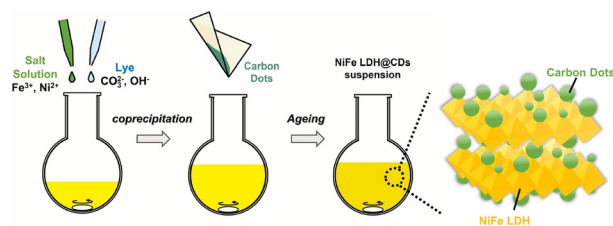
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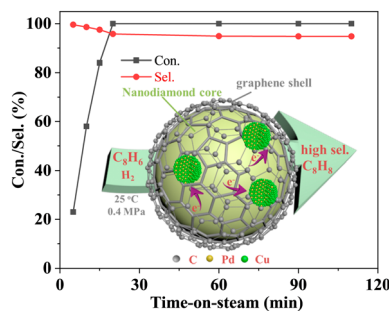
Zi-Ye Liu, Qian-Yu Wang and Ji-Ming Hu\*



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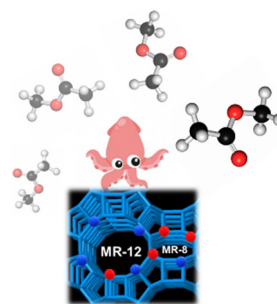
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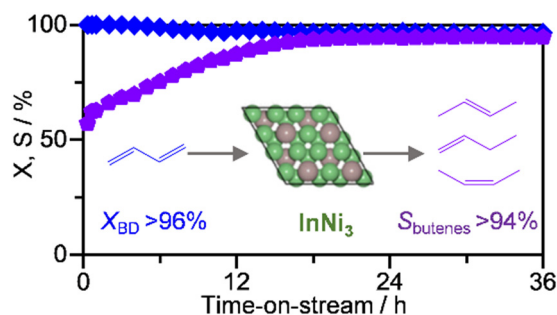
L. A. Luque-Álvarez,\* J. González-Arias, F. Romero-Sarria, T. R. Reina, L. F. Bobadilla and J. A. Odriozola



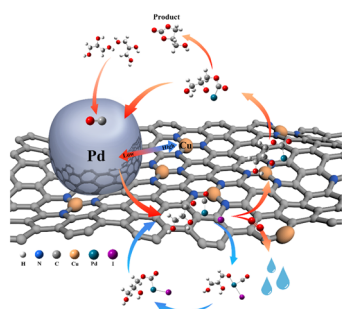
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Zhibing Chen, Yali Lv, Xintai Chen, Xiaoling Mou,\* Jingwei Li,\* Li Yan, Ronghe Lin\* and Yunjie Ding\*



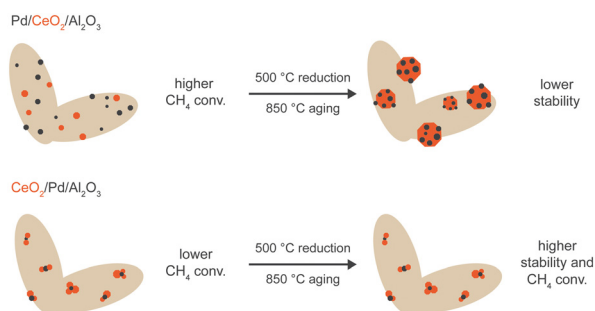
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Zhihao Lv, Pengpeng Huang, Pingbo Zhang,\*  
Mingming Fan, Pingping Jiang and Yan Leng

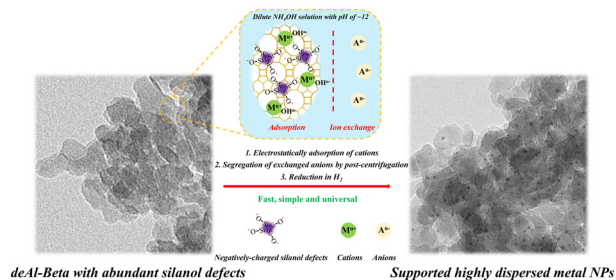
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Imani Rogers, Jihyeon Park, Maddison Montgomery,  
Mehmet Z. Billor, Bert M. Weckhuysen  
and Matteo Monai\*

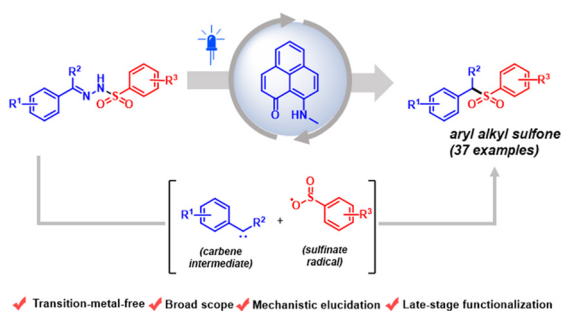
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Run Zou, Gabriel A. Bramley, Shanshan Xu,  
Sarayute Chansai, Monik Panchal, Huanhao Chen,  
Yangtao Zhou, Pan Gao, Guangjin Hou,  
Stuart M. Holmes, Christopher Hardacre, Yilai Jiao,\*  
Andrew J. Logsdail\* and Xiaolei Fan\*

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### Denitrogenation of tosylhydrazones: synthesis of aryl alkyl sulfones catalyzed by a phenalenyl-based molecule

Shiv Kumar, Paramita Datta, Anup Bhunia\*  
and Swadhin K. Mandal\*

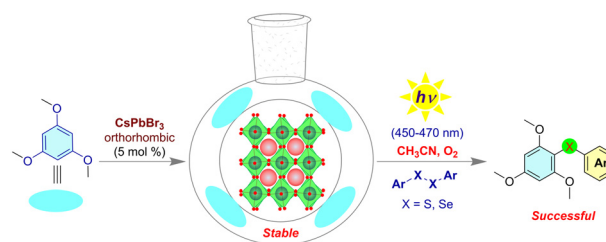
✓ Transition-metal-free ✓ Broad scope ✓ Mechanistic elucidation ✓ Late-stage functionalization



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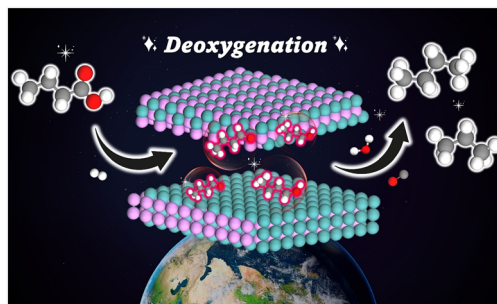
Ashis Mathuri, Buddhadeb Pal, Milan Pramanik, Anupam Manna\* and Prasenjit Mal\*



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Shivanand Chettri, Liang-Ting Wu, Sagarmani Rasaily, Debesh Sharma, Bikram Gurung, Rajani Dewan, Sudarsan Tamang, Jyh-Chiang Jiang\* and Anand Pariyar\*

