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See Hajime Kawanami *et al.*, pp. 52–61.
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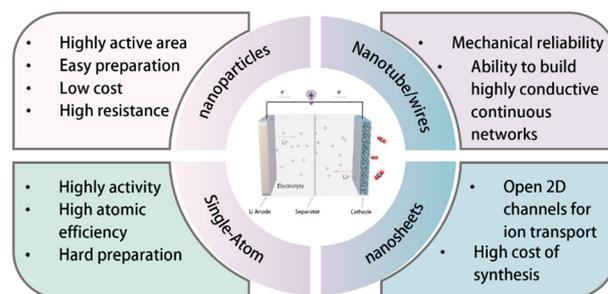
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See Andrew C. Chien and Corinna C. Chi, pp. 62–70.
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Scale and morphology design of metal-based catalysts for enhanced Li–CO₂ battery performance

Jingzhao Wang, Xiangming Cui, Mi Zhou, Xin Chen, Shiyi Sun, Kai Yang, Jianan Wang* and Wei Yan

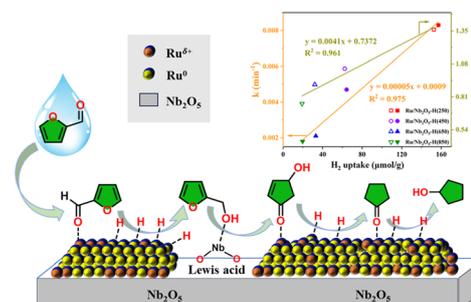


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Correlation of the catalytic performance with Ru^{δ+} species on Ru/Nb₂O₅ in furfural aqueous reductive conversion

Yulong Deng, Binyu Zhang, Huiru Wu, Zhuo He, Xiaorui Du, Jiayi Ou, Tianyu Ren, Haiyong Wang, Yuhe Liao, Qiying Liu,* Chenguang Wang* and Yanbin Cui*





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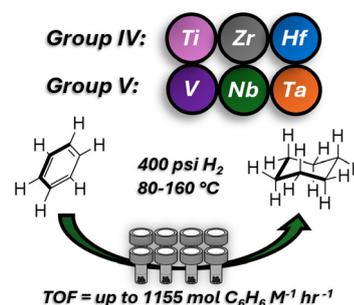


COMMUNICATIONS

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Benzene hydrogenation utilizing organometallic early transition metal precursors

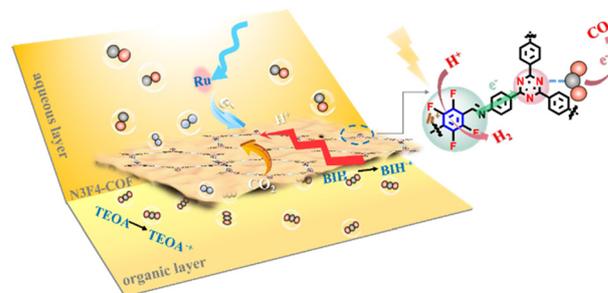
Reece Johnson, Peijie Hu, James Pugh, Rahul Kootanil Haridasan and Keith Searles*



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Wei-Jia Wang,* Bin Li, Jing Gao and Kaihong Chen*



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Iridium complexes supported on cross-linked polyacrylic acid as release-and-catch catalysts for continuous formic acid dehydrogenation

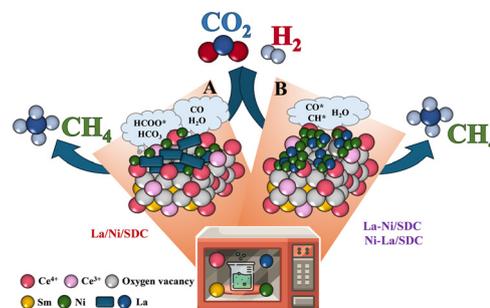
Keito Sawahara, Shinji Tanaka, Ryota Gemma, Ryoichi Kanega and Hajime Kawanami*



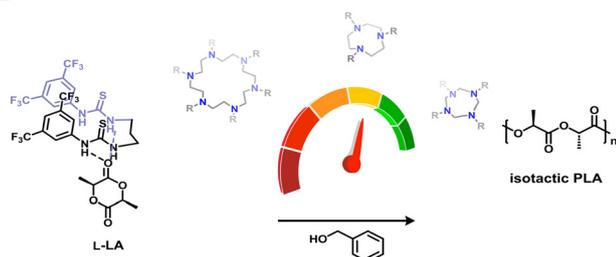
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Effect of metal loading sequences in CO₂ methanation activity on samarium-doped ceria supported bimetallic catalysts

Andrew C. Chien* and Corinna C. Chi



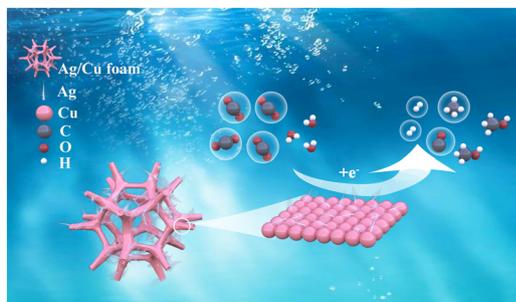
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Assunta D'Amato, Maria Voccia, Filippo Bruno, Sara D'Aniello, Lucia Caporaso,* Francesco De Riccardis, Irene Izzo, Giorgio Della Sala* and Mina Mazzeo*

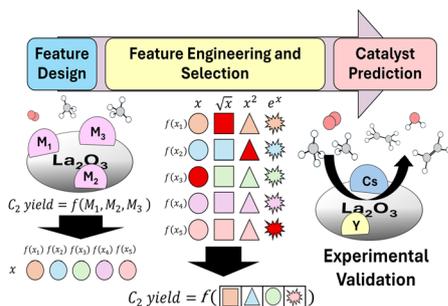
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Ruitao Nie, Xiaolong Deng, Haoyu Yang, Hongwei Chen, Jie Yang, Meiyi Lu, Keqi Peng, Xiaoyu Zhou, Chen Yang, Juan Xie* and Hu Wang*

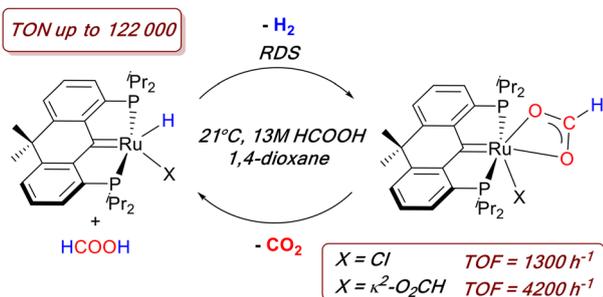
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Design of low temperature La₂O₃ oxidative coupling of methane catalysts using feature engineering and automated sampling

Fernando Garcia-Escobar,* Lauren Takahashi, Ali Shaaban, Shun Nishimura and Keisuke Takahashi*

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Rapid and selective formic acid dehydrogenation catalysis by molecular ruthenium hydrides supported by rigid PC_{carbene}P pincer ligands

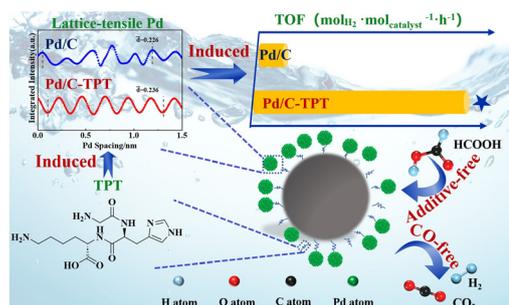
Laurie J. Donnelly, Benjamin S. Gelfand and Warren E. Piers*



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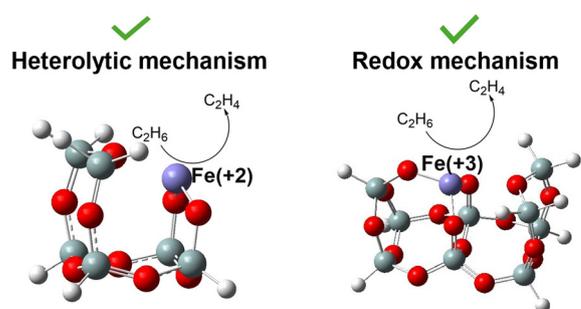
Yan Gu, Hongli Wang,* Yaohao Zhang, Lu Yang, Xiaoshan Liu and Xuesong Li*



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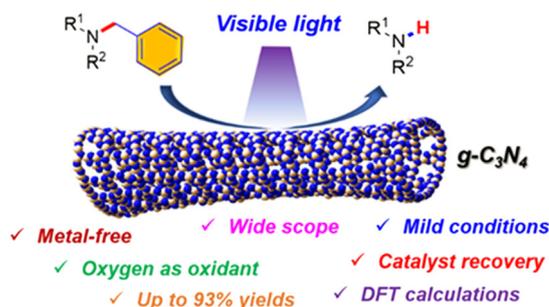
Sakshi Satyanand, Sanjana Srinivas, Dionisios G. Vlachos* and Stavros Caratzoulas



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Green photocatalytic N-debenzylations with molecular oxygen catalyzed by recyclable metal-free tubular carbon nitride

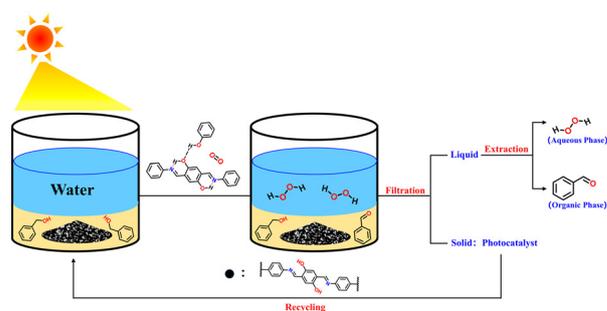
Yufeng Wu,* Jiajie Kang, Jianing Li, Mingshu Bi and Qingwei Meng



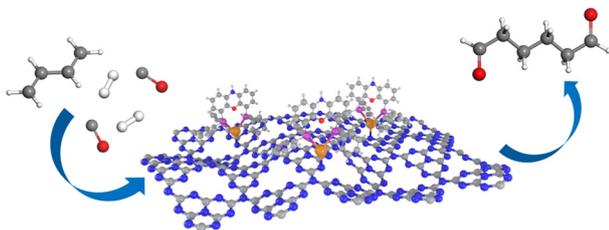
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Phenol hydroxyl-modified imine-based covalent organic frameworks for enhanced solar-driven generation of H₂O₂ via hydrogen bonds

Lang Chen, Song Qin, Jiahui Hang, Bo Chen, Jinyang Kang, Yang Zhao, Shanyong Chen, Yongdong Jin, Hongjian Yan, Yuanhua Wang* and Chuanqin Xia*



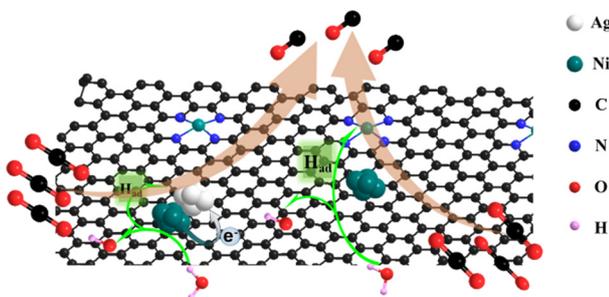
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Investigation on heterogeneous Rh catalysts for the hydroformylation of 1,3-butadiene to adipic aldehyde

Lijin Gan, Zekun Liu, Lei Feng, Yi Duan, Guangyuan Xu, Si Chen and Huan Yan*

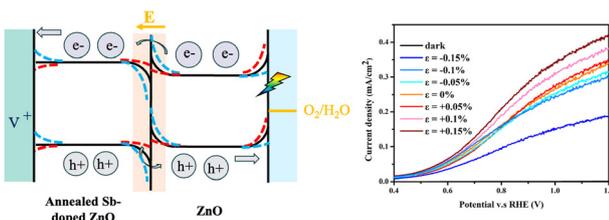
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Alignment of active sites on Ag-Ni catalysts for highly selective CO₂ reduction to CO

Huangdong Wang, Zhihua Guo, Heng Zhang, Lin Jia, Min Sun, Lifeng Han, Haorun Li, Yan Guo* and Shanghong Zeng*

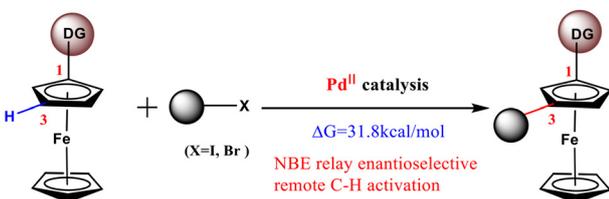
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Enhancing the photoelectrochemical water splitting efficiency of ZnO P-N homojunction nanorod arrays under the piezocatalyst effect

Yi-Miao Lin, Yu-Liang Hsiao, Chia-Shing Wu, Ying-Chih Pu and Chuan-Pu Liu*

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Mechanistic insights into an enantioselective synthetic strategy for 1,3-disubstituted planar chiral ferrocenes

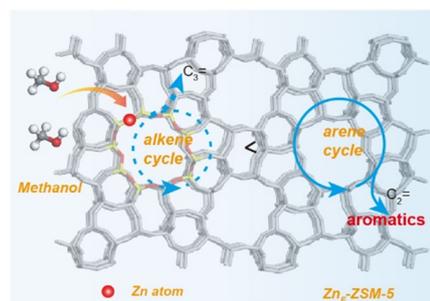
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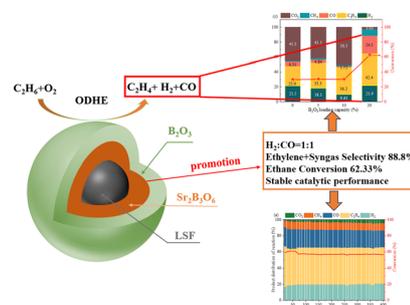
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B₂O₃ supported La_{0.8}Sr_{0.2}FeO₃ for direct ethane oxidation into ethylene and syngas for hydroformylation synthesis

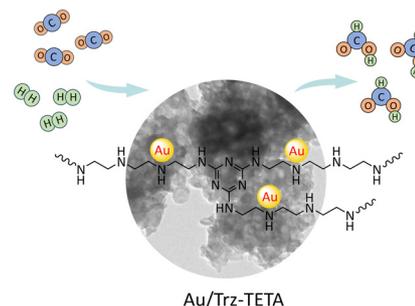
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Modulating the electronic interaction between Au and nitrogen-rich porous organic polymers for enhanced CO₂ hydrogenation to formic acid

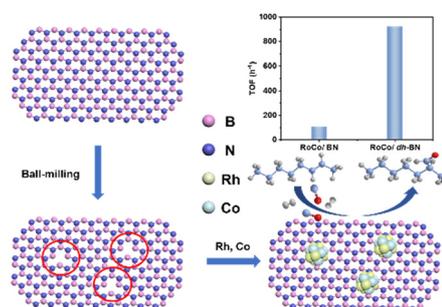
Huixin Yan, Xingyan Wang, Xiaoyu Liang, Xinxin Zhang, Longfei Liu, Min Ji, Min Wang* and Xinkui Wang*



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Heterogeneous hydroformylation of internal alkenes over a defect-laden hexagonal BN supported RhCo alloy: reaction performance modulated by N vacancies

Bowen Qiu, Shujuan Liu, Shimin Liu, Xinjiang Cui, Dongcheng He, Kang Zhao, Bin Wang and Feng Shi*



CORRECTION

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Correction: Integrated adsorption and photocatalytic degradation of VOCs using a TiO₂/diatomite composite: effects of relative humidity and reaction atmosphere

Guangxin Zhang,* Arman Peyravi, Zaher Hashisho,* Zhiming Sun,* Yangyu Liu, Shuilin Zheng and Lexuan Zhong

