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See Ivo A. W. Filot, Emiel J. M. Hensen *et al.*, pp. 3262–3274.
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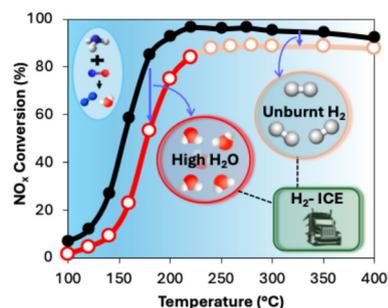
See Dhruba J. Deka *et al.*, pp. 3256–3261.
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COMMUNICATION

3256

Influence of H₂-ICE specific exhaust conditions on the activity and stability of Cu-SSZ-13 deNO_x catalysis

Dhruba J. Deka,* Garam Lee, Kenneth G. Rappé, Eric Walter, Janos Szanyi and Yong Wang

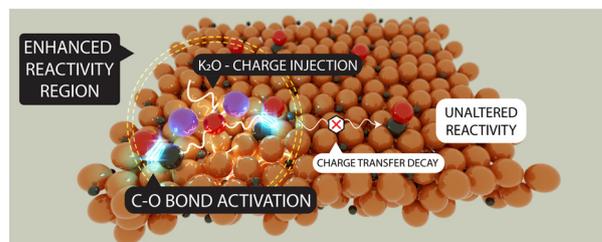


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A computational study of K promotion of CO dissociation on Hägg carbide

Xianxuan Ren, Rozemarijn D. E. Krösschell, Zhuowu Men, Peng Wang, Ivo A. W. Filot* and Emiel J. M. Hensen*





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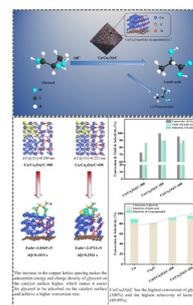
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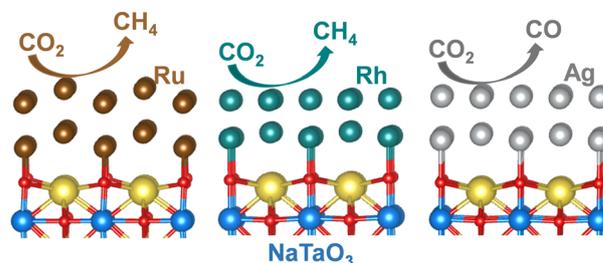
Hanqu Fu, Shuangming Li,* Xinshu Xie, Yiwen Wang, Jili Zhang and Sansan Yu*



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Theoretical investigation on the reaction mechanism of photocatalytic CO₂ reduction over NaTaO₃ modified with metal cocatalysts (Ru, Rh, and Ag)

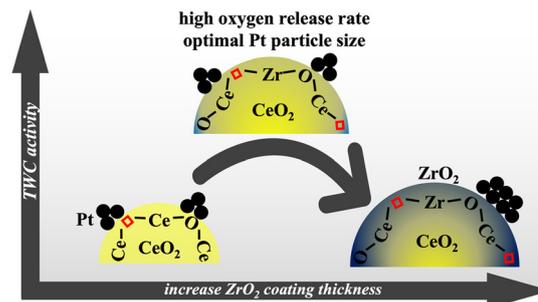
Chunyu Jin, Linlin Wang, Hao Dong* and Xin Zhou*



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Enhancing the low-temperature performance of Pt-based three-way catalysts using CeO₂(core)@ZrO₂(shell) supports

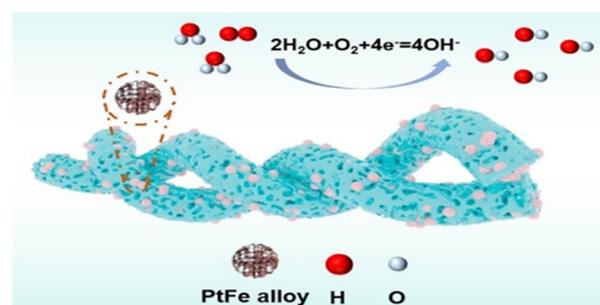
Chih-Han Liu, Junjie Chen,* Patrick R. Raffaele, Michael J. Lance, Jacob Concolino, Prateek Khatri, Tala Mon, Todd J. Toops, Alexander A. Shestopalov and Eleni A. Kyriakidou*



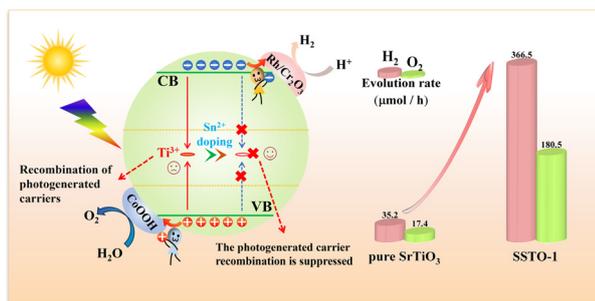
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Highly active PtFe alloy encapsulated in porous carbon fibers as an air-cathode catalyst for zinc-air batteries

Zhen An, Zizai Ma,* Zihao Wan, Hongfei Xu, Jinping Li and Xiaoguang Wang*



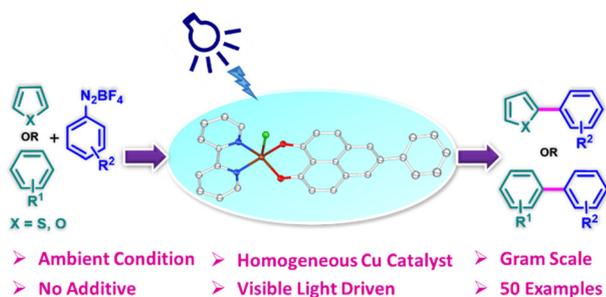
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Efficient photocatalytic water splitting using Sn-doped SrTiO₃ perovskite with Sn at Sr sites

Yongshuai Chen, Mengdie Cai,* Yimeng Cao, Suhaib Shuaib Adam Shuaib, Jia-qi Bai,* Fang Chen, Jiawei Xue, Yuxue Wei and Song Sun

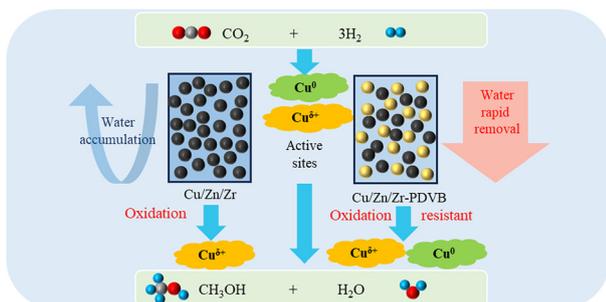
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Highly efficient phenalenyl-copper bifunctional photoredox catalyst for direct C–H bond arylation of arenes and heteroarenes

Krishnendu Paramanik, Nilaj Bandopadhyay, Suraj Kumar Agrawalla, Chandra Shekhar Purohit, Bhaskar Biswas* and Hari Sankar Das*

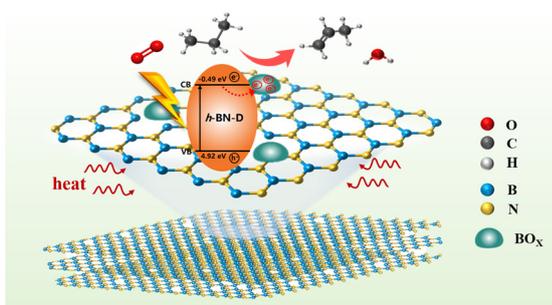
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Lei Huang, Lingrui Cui, Cao Liu, Xingguo Wei, Yechunzi Liu and Fahai Cao*

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Light-assisted free radical initiation for efficient thermocatalytic propane oxidative dehydrogenation on defect-rich hexagonal boron nitride

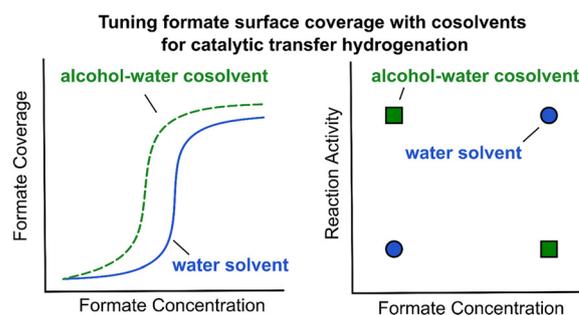
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Tuning formate surface coverage with cosolvents for liquid-phase catalytic transfer hydrogenation

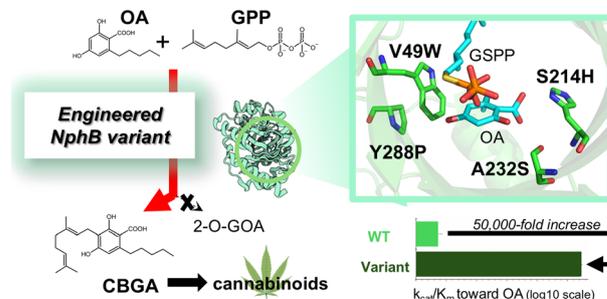
Ezra A. Baghdady, J. Will Medlin* and Daniel K. Schwartz*



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A highly active and regioselective cannabigerolic acid synthase engineered from a promiscuous prenyltransferase NphB

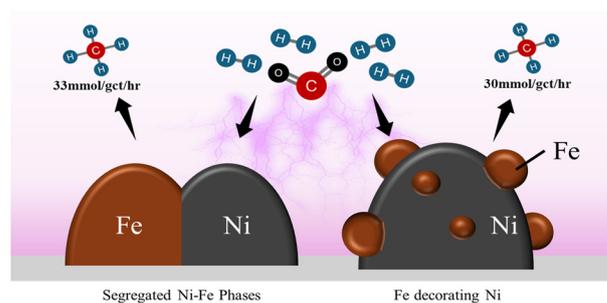
Ye Seop Park,* Minju Kim, Chae Yeong Na, Hyeon Woo Ham, Jun-Young Cho, Boyoung Park, Cheulhee Jung, Daechan Park and Tae Hyeon Yoo*



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The impact bimetallic Ni-Fe deposit configuration has on accessing synergy during plasma-catalytic CO₂ methanation

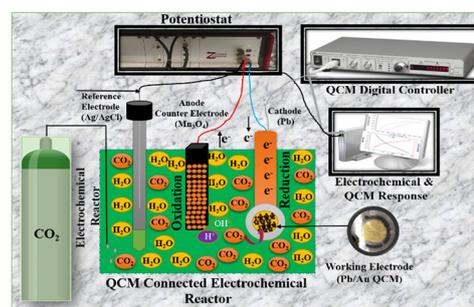
Ahmad Z. Md Azmi, Rachele Tay, Jiajia Zhao, Christopher D. Easton, Aaron Seeber, Yunxia Yang, Anthony B. Murphy, Emma Lovell* and Jason Scott*



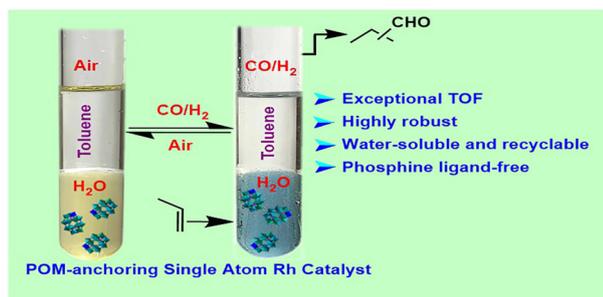
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Synthesis of various Pb catalysts and their examination in the study of electrochemical CO₂ reduction (ECR) using a quartz crystal microbalance with a Mn₃O₄ anode

V. S. K. Yadav,* Mohammed A. H. S. Saad, Mohammed J. Al-Marri and Anand Kumar*



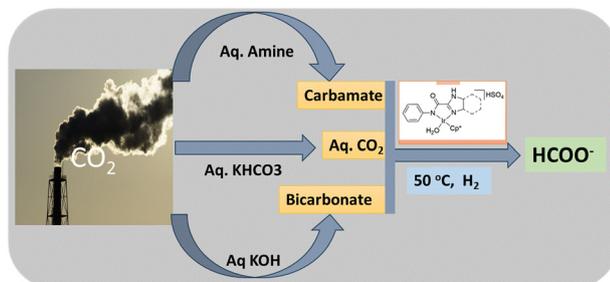
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Boosting the hydroformylation activity of polyoxometalate-anchored Rh single atom catalysts in toluene–water media

Ning An, Yongjun Jiang, Huiying Liao, Ji Ding, Xinjia Wei, Haijing Wang,* Sheng Dai and Zhenshan Hou*

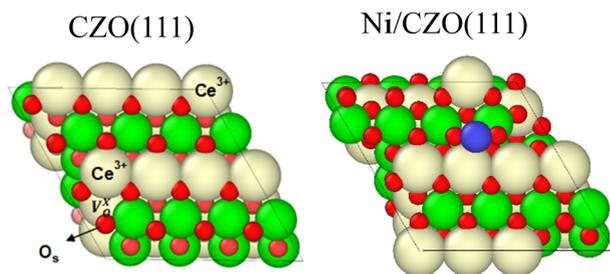
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Hydrogenation of CO₂ into formate using an iridium catalyst containing proton-responsive imidazoline–amide ligands

Supriyo Majumder,* Raj Kumar Das, Chanchal Samanta, Chiranjeevi Thota and Bharat L. Newalkar

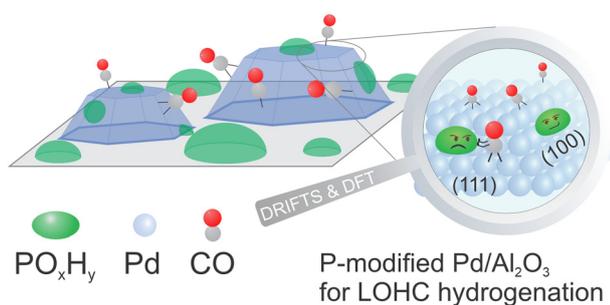
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Sanjana Srinivas, George Yan, Stavros Caratzoulas and Dionisios G. Vlachos*

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Site blocking effects on P-modified Pd/Al₂O₃ catalysts for LOHC hydrogenation: an *in situ* DRIFTS study

Yaoci Sheng, Adrian Seitz, Thobani Gambu, Kailun Zhang, Patrick Schühle and Tanja Retzer*

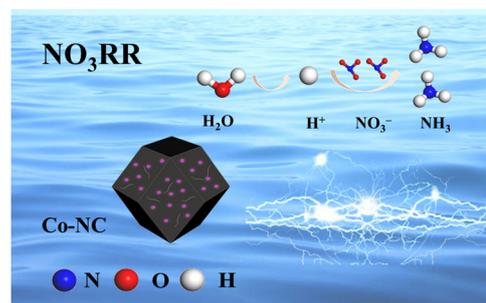


PAPERS

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Metal–organic framework derived Co–NC for electrocatalytic reduction of nitrate to ammonia

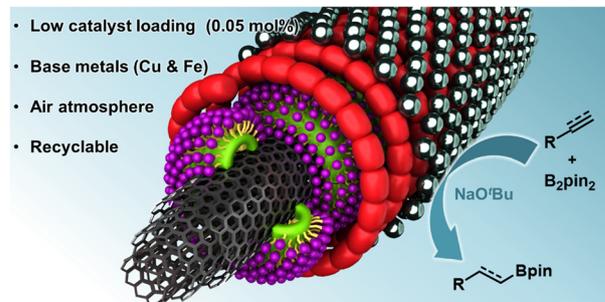
Zhuofan Wu, Haiding Zhu, Zi Wang, Yiming Sun, Meibing Jia, Xiaoxin Meng, Yushan Li, Lifan Liu, Anmin Liu and Xuefeng Ren*



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A swift and efficient approach to boron-functionalized scaffolds: borylation of alkenes and alkynes using a carbon nanotube–copper ferrite catalyst

Mateus P. Nunes, Luana A. Machado, Hállen D. R. Calado, Guilherme A. M. Jardim, Joel A. Tchuiteng Kouatchou, Valérie Geertsen, Youzhu Yuan, Eric Doris,* Eufrânio N. da Silva Júnior* and Edmond Gravel*



RETRACTION

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Retraction: Investigation of the effect of thermal annealing of Ni-cobaltite nanoparticles on their structure, electronic properties and performance as catalysts for the total oxidation of dimethyl ether

Daniel Onana Mevoa, Stephane Kenmoe,* Muhammad Waqas, Dick Hartmann Douma, Daniel Manhouli Daawe, Katia Nchimi Nono, Ralph Gebauer and Patrick Mountapmbeme Kouotou*

