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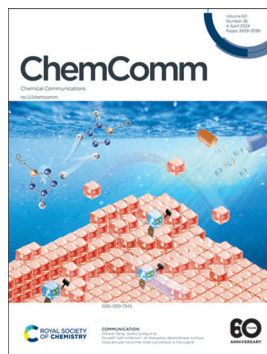
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See Andreas Faust *et al.*, pp. 3507–3510.
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Inside cover

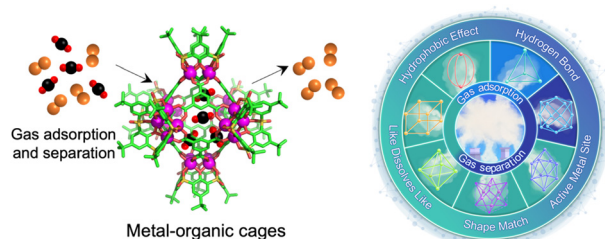
See Weiwei Tang, Junbo Gong *et al.*, pp. 3511–3514.
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HIGHLIGHT

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Metal–organic cages for gas adsorption and separation

Qing-Wen Zeng, Lianrui Hu,* Yulian Niu, Dehua Wang,* Yan Kang,* Haidong Jia, Wei-Tao Dou* and Lin Xu

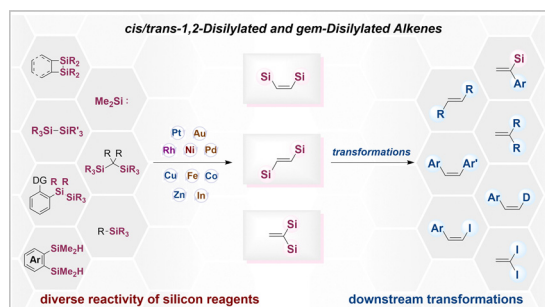


FEATURE ARTICLE

3484

Advances in disilylation reactions to access *cis/trans*-1,2-disilylated and *gem*-disilylated alkenes

Shasha Geng, Yu Pu, Siyu Wang, Yanru Ji and Zhang Feng*



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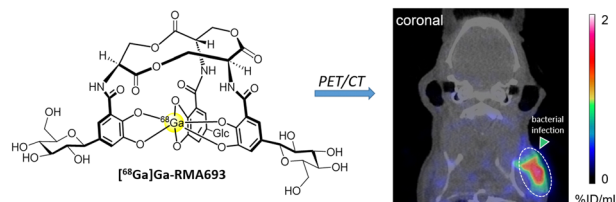
Fundamental questions
Elemental answers

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A novel radiolabelled salmochelin derivative for bacteria-specific PET imaging: synthesis, radiolabelling and evaluation

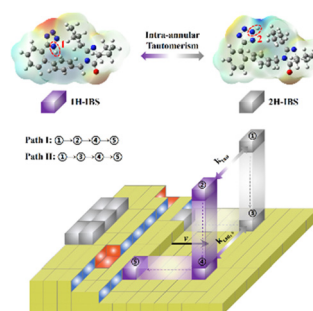
Renato Margeta, Sonja Schelhaas, Sven Hermann, Michael Schäfers, Silke Niemann and Andreas Faust*



3511

Growth “self-inhibition” of irbesartan desmoptrope: surface intra-annular tautomer inter-conversion is the culprit

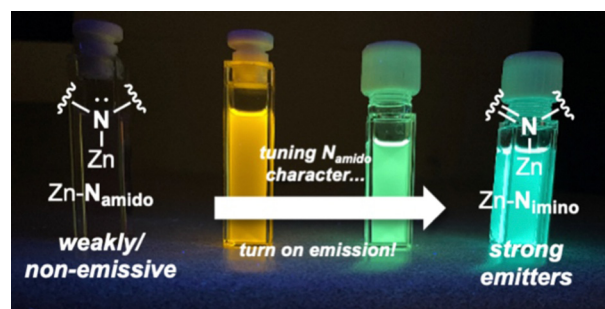
Xiang Kang, Mingtao Zhang, Weiwei Tang* and Junbo Gong*



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Switching on emission in Zn(II) coordination complexes by tempering N_{amido} character

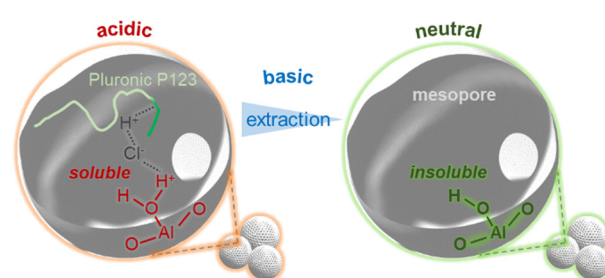
Amy L. Knodel, Issiah B. Lozada, Robert J. Ortiz, J. A. Gareth Williams* and David E. Herbert*



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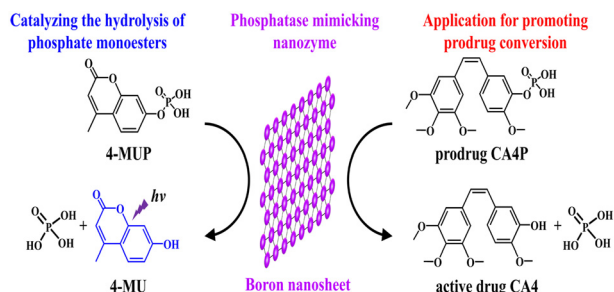
Neutralization-mediated extraction of amphiphilic organic molecules for obtaining high-quality mesoporous alumina

Ryutaro Wakabayashi* and Tatsuo Kimura*



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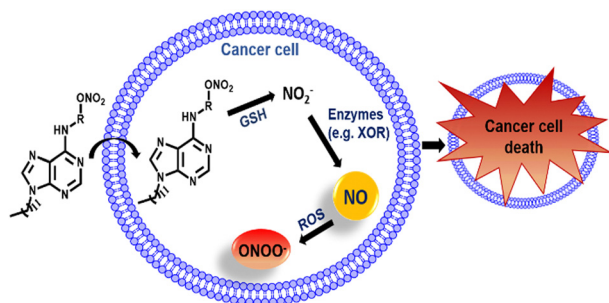
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Boron nanosheets as a phosphatase mimicking nanozyme with ultrahigh catalytic activity for prodrug-based cancer therapy

Yao Lei, Qianghong Zhao, Zhou Huang, Yusha Huang, Min Wang,* Lianzhe Hu,* Qing Tang* and Zhining Xia

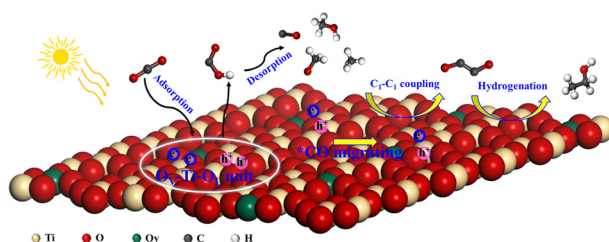
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Anti-proliferative, -migratory and -clonogenic effects of long-lasting nitric oxide release in HepG2 cells

Rakhi Bormon, Ekta Srivastava, Rafat Ali, Perna Singh, Ashok Kumar* and Sandeep Verma*

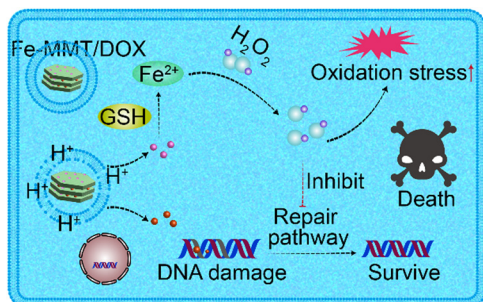
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High photocatalytic performance over ultrathin 2D TiO₂ for CO₂ reduction to alcohols

Chenxu Yin, Xue Li, Shangcong Sun, Xiaoqian Wei, Qing Tong, Wei Tan, Xin Wang, Bo Peng,* Haiqin Wan* and Lin Dong

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A Fe(III) intercalated clay nanoplateform for combined chemo/chemodynamic therapy

Ying Chen, Jing Zhai, Shiqi Wei, Aidong Tang* and Huaming Yang*

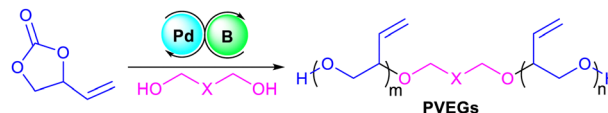


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Synthesis of polyvinylethylene glycols (PVEGs) via polyetherification of vinyl ethylene carbonate by synergistic catalysis

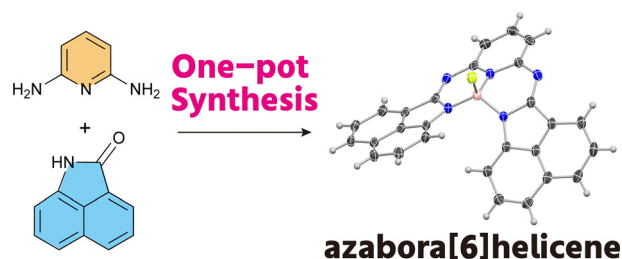
Fan Yang, Minghang Wang and Yong Jian Zhang*



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One-pot synthesis of azabora[6]helicene by a Schiff base forming reaction

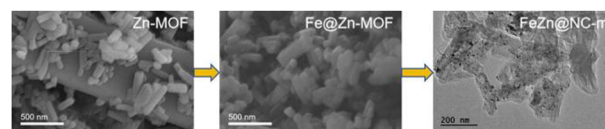
Yuto Kage, Yuchuan Jiang, Namiki Minakuchi, Shigeki Mori and Soji Shimizu*



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Small-size and well-dispersed Fe nanoparticles embedded in carbon rods for efficient oxygen reduction reaction

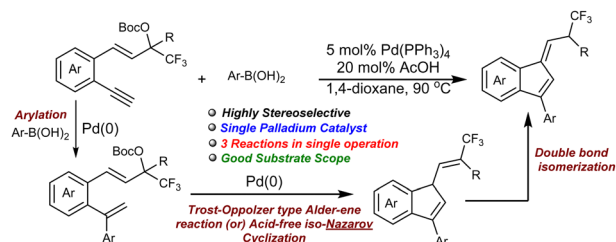
Xinde Duan, Fayuan Ge, Yang Liu and Hegen Zheng*



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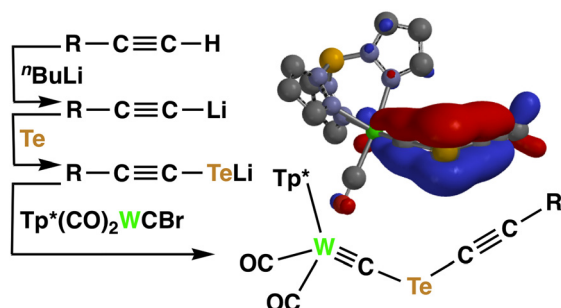
Access to CF₃-benzofulvenes via palladium-catalyzed cascade arylation/Trost–Oppolzer cyclization/double-bond isomerization

Rami Sateesh, Jaggaraju Prudhviraj, Chiliveru Priyanka and Nagender Punna*



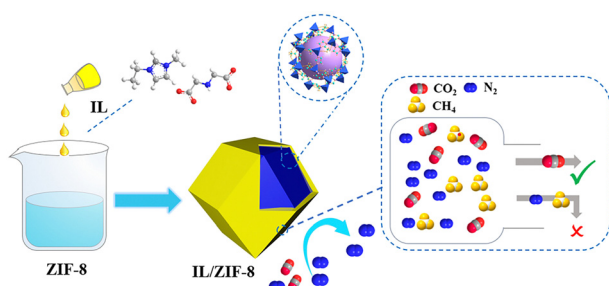
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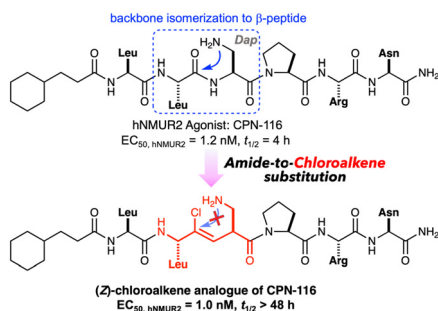
**Carbon–chalcogen wires:
alkynyltellurolatocarbynes**

Chee S. Onn and Anthony F. Hill*

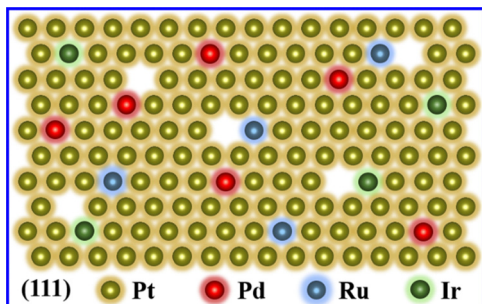
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**Enhancement of CO_2 adsorption and separation in
basic ionic liquid/ZIF-8 with core–shell structure**Shiyu Nie, Encheng Liu, Fengfeng Chen,* Yilin Ma,
Kai Chen and Junkuo Gao*

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**Amide-to-chloroalkene substitution for overcoming
intramolecular acyl transfer challenges in
hexapeptidic neuromedin U receptor 2 agonists**Tetsuo Narumi,* Daichi Toyama, Junko Fujimoto,
Ryuji Kyan, Kohei Sato, Kenji Mori, James T. Pearson,
Nobuyuki Mase and Kentaro Takayama*

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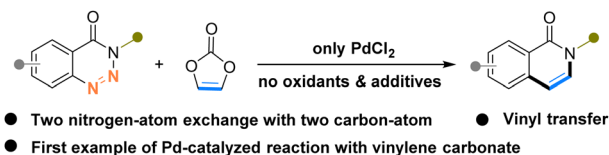
**Platinum-group-metal quaternary alloys with lattice
defects for enhanced oxygen electrocatalysis**Qi Li,* Chenqi Xu, Liangmei Luo, Cunwang Ge* and
Yanqing Wang*

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Palladium-catalyzed denitrogenation/vinylation of benzotriazinones with vinylene carbonate

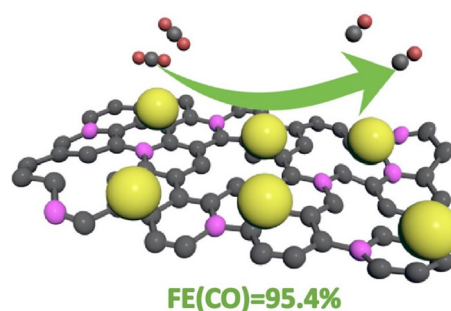
Jiang Nan,* Qiong Huang, Xinran Men, Shuai Yang, Jing Wang and Yangmin Ma



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Highly selective electroreduction of CO₂ to CO with ZnO QDs/N-doped porous carbon catalysts

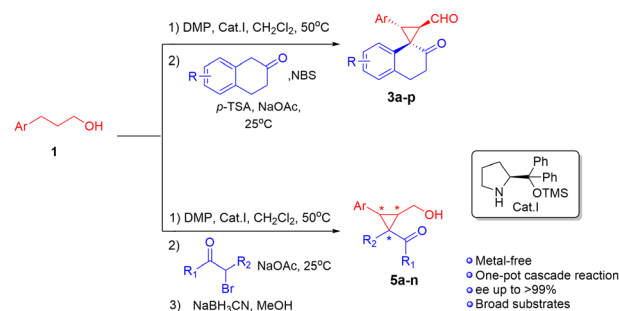
Zijian Fang, Yanling Zhai, Weiwei Guo,* Zhaoyang Sun, Lei Jiao, Zhijun Zhu,* Xiaoquan Lu* and Jianguo Tang*



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Metal-free β,γ -C(sp³)-H difunctionalization of propanols: DMP-initiated asymmetric spirocyclopropanation

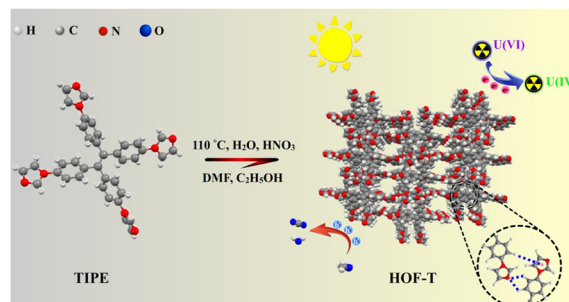
Zheyao Li, Huiwen Zhang, Lin Zhao, Yueyue Ma,* Qiufang Wu, Haosong Ren, Zhongren Lin, Jun Zheng* and Xinhong Yu*



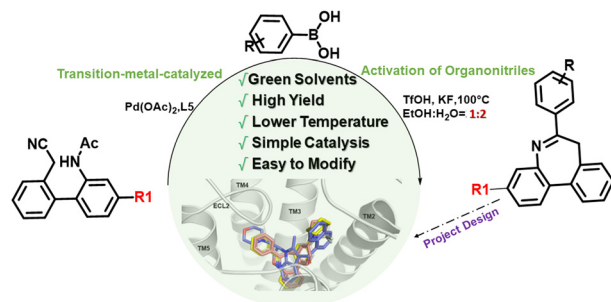
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The construction of a stable hydrogen-bonded organic framework for the photocatalytic reduction and removal of uranium

Li Zhang,* Yu-Ting Luo, Sai-Jin Xiao, Jia-Qi Fan, Quan-Gen Tan, Chen Sun, An-Min Song, Ru-Ping Liang and Jian-Ding Qiu*



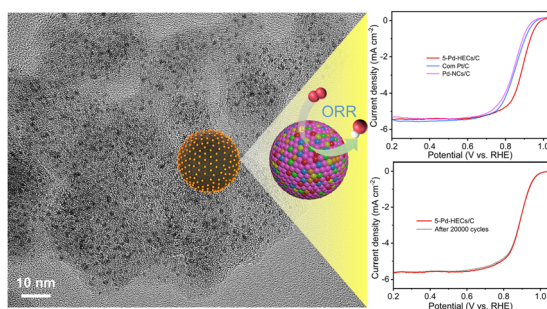
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Synthesis of easily-modified and useful dibenzo-[b,d]azepines by palladium(II)-catalyzed cyclization/addition with a green solvent

Hua Cheng, Rongqi Liu, Shengyang Fang, Zixiang Li, Denggao Zhang, Xi Zhang, Wenfei Chen, Huixin Chen, Leyi Kang, Juan Wang,* Yulong Xu,* Shaoli Song* and Liming Shao*

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Synthesizing Pd-based high entropy alloy nanoclusters for enhanced oxygen reduction

Fan Zhang, Shiwei Sun, Xiaohang Ge, Qinhe Guan, Miao Ling, Weiyong Yuan and Lian Ying Zhang*

