

# ChemComm

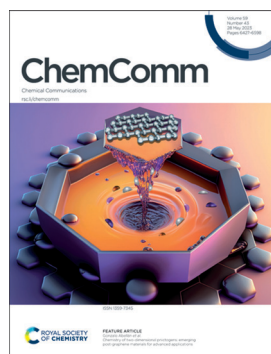
Chemical Communications

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ISSN 1359-7345 CODEN CHCOFS 59(43) 6427-6598 (2023)



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See Gonzalo Abellán *et al.*, pp. 6453–6474.  
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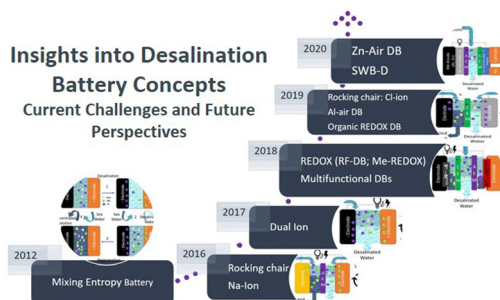
See Cleis Santos and Fabio La Mantia, pp. 6437–6452.  
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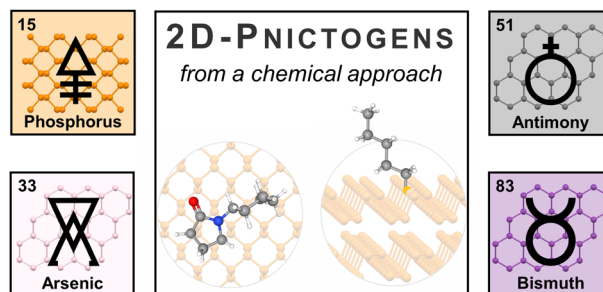
Cleis Santos\* and Fabio La Mantia\*



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### Chemistry of two-dimensional pnictogens: emerging post-graphene materials for advanced applications

Matteo Andrea Lucherelli, Víctor Oestreicher, Marta Alcaraz and Gonzalo Abellán\*



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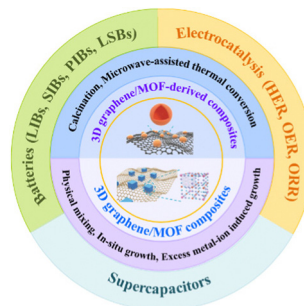
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## Three-dimensional graphene/metal–organic framework composites for electrochemical energy storage and conversion

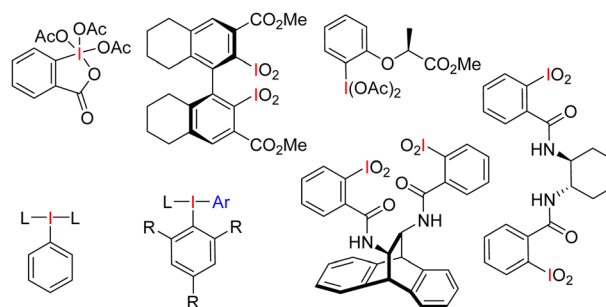
Yumei Ren and Yuxi Xu\*



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## Iodanes as multi-tools for the total synthesis of complex natural products

Camille Rocq, Maxime Denis and Sylvain Canesi\*

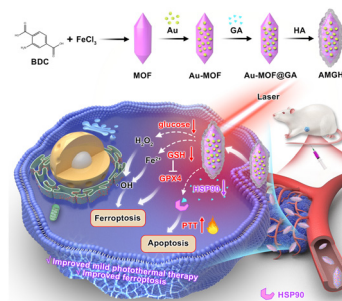


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# A gold nanoparticle engineered metal–organic framework nanoreactor for combined ferroptosis and mild photothermal therapy

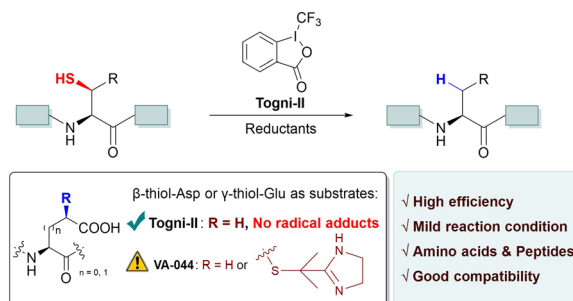
Ruyue Wei, Yanhua Li, Peng Gao, Xia Zhang, Xiaoyu Li,  
Kaixian Wang, Wei Pan, Na Li\* and Bo Tang\*



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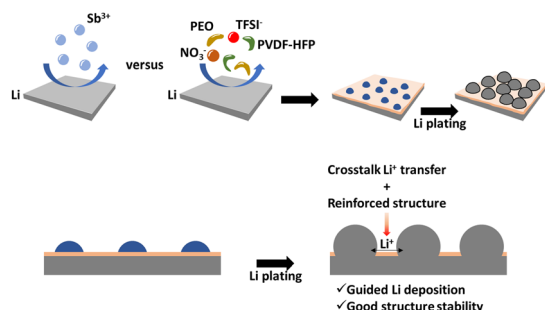
## An efficient metal-free desulfurization strategy promoted by Toqni-II reagent

Jun Zhang, Haiyun Liu, Shuang Teng, Zhiwen Liao,  
Lingkui Meng,\* Qian Wan\* and Suwei Dong\*



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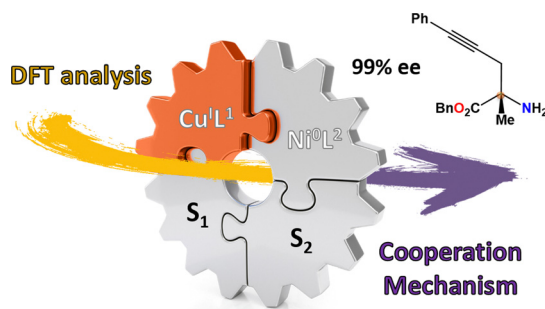
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### Embedding alloying sites in a lithiated polymer matrix as a stable interphase of lithium electrodes

Tengpeng Xiong, Zhendong Li, Xiayin Yao\* and Zhe Peng\*

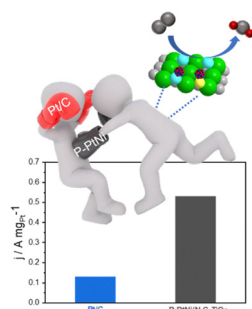
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### Factors driving the Ni/Cu cooperative asymmetric propargylation of aldimine esters

Giuseppe Sciortino and Feliu Maseras\*

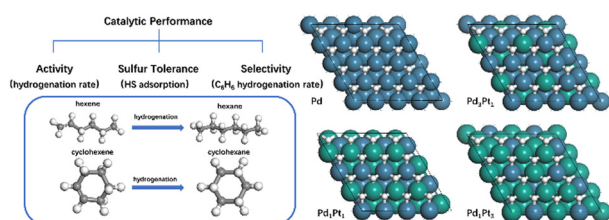
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### A P-doped PtNi alloy supported on N,C-doped $\text{TiO}_2$ nanosheets as a stable electrocatalyst for the oxygen reduction reaction in an acidic electrolyte

Chen Lu, Chao Xu, Peng-Peng Guo, Kun-Zu Yang, Ying Xu, Hua-Min Chi, Ping-Jie Wei and Jin-Gang Liu\*

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### Identification of PdPt alloys for preferential $\text{C}_6$ olefin hydrogenation over aromatic hydrocarbons through density functional theory and microkinetic modeling

Haowen Ma, Jiayi Wang, Xuecheng Zhan,\* Yuan Xie, Limin Sun, Xiaoli Hu, Haoxiang Xu and Daojian Cheng\*

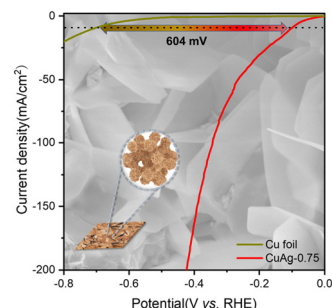


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**Ag-doped Cu nanosheet arrays for efficient hydrogen evolution reaction**

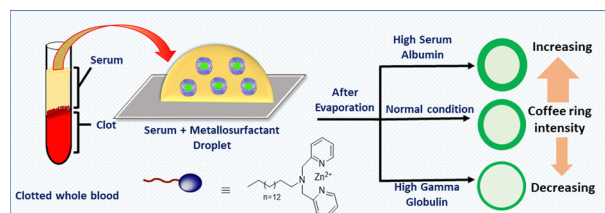
Ling-Jie Kong, Ya-Meng Xie, Xing-Yu Chen, Cong Xi, Fei-Fei Zhang, Min Wang, Long Shang, Yuan Huang,\* Xi-Wen Du\* and Sergei A. Kulinich\*



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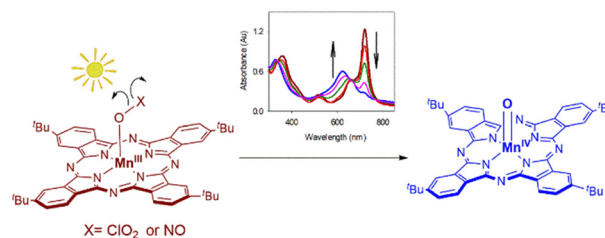
Aastha, Priyanka and Subhabrata Maiti\*



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**Photochemical generation and reactivity of a new phthalocyanine-manganese-oxo intermediate**

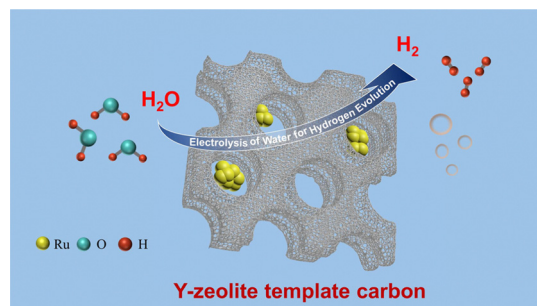
Tristan Skipworth, Seth Klaine and Rui Zhang\*



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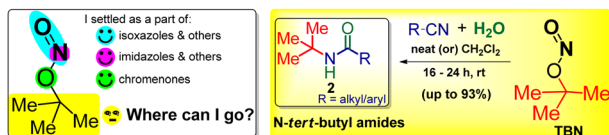
Xin Wang, Xiaoli Yang,\* Junwei Sun, Mingyu Guo, Zhihao Cao, Haoxi Ben, Wei Jiang, Shujun Ming and Lixue Zhang\*





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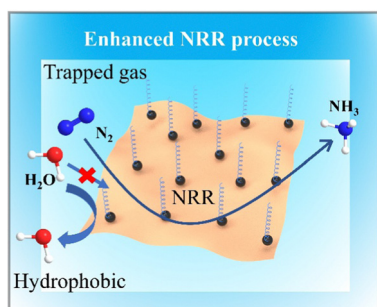
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**Facile preparation of *N*-tert-butyl amides under heat-, metal- and acid-free conditions by using *tert*-butyl nitrite (TBN) as a practical carbon source**

Palani Natarajan\* and Onder Metin\*

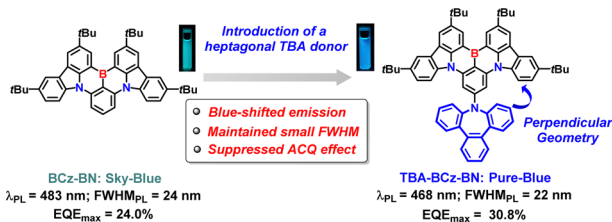
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**Interfacial engineering of hydrophobic octadecanethiol/Pd metallene toward electrocatalytic nitrogen reduction**

Hongjing Wang, Xu Mu, Qiqi Mao, Kai Deng, Hongjie Yu, You Xu, Xiaonian Li, Ziqiang Wang\* and Liang Wang\*

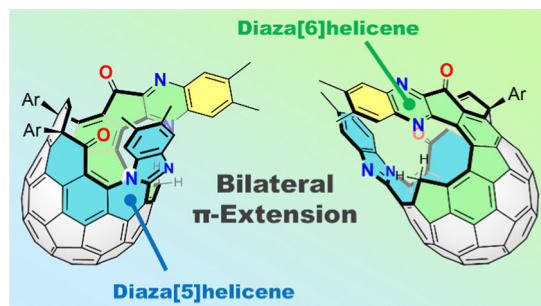
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**“Medium-ring” strategy enables high-performance narrowband pure-blue multi-resonance emitters: boost provided by a unique perpendicular geometry**

Xin Xiao, Bowen Lei, Di Wu\* and Zhengyang Bin\*

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**Bilateral  $\pi$ -extension of an open-[60]fullerene in a helical manner**

Yoshifumi Hashikawa, Shumpei Sadai and Yasujiro Murata\*

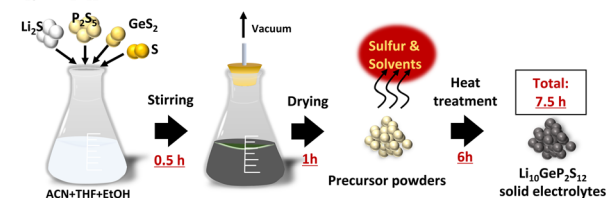


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**Li<sub>10</sub>GeP<sub>2</sub>S<sub>12</sub> solid electrolytes synthesised via liquid-phase methods**

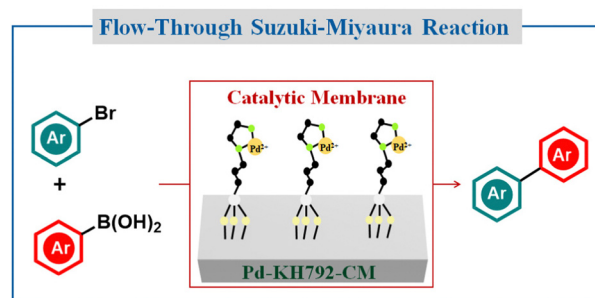
Kazuhiro Hikima,\* Kaito Ogawa, Hirotada Gamo and Atsunori Matsuda\*

**Li<sub>10</sub>GeP<sub>2</sub>S<sub>12</sub> Solid Electrolytes Synthesised Rapidly via Liquid-Phase Methods**

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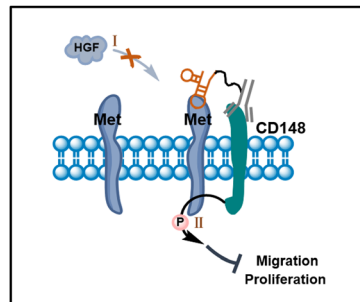
Shuangqiang Wang, Jinliang Chen, Fei Zhang, Yao Zhao, Xiaojin Wu\* and Rizhi Chen\*



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**A phosphatase-recruiting bispecific antibody-aptamer chimera for enhanced suppression of tumor growth**

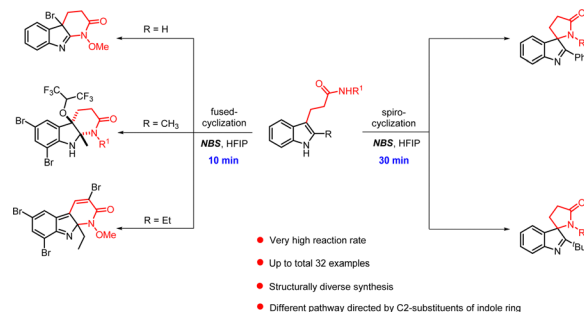
Wei Li, Weihua Lu and Zhen Liu\*



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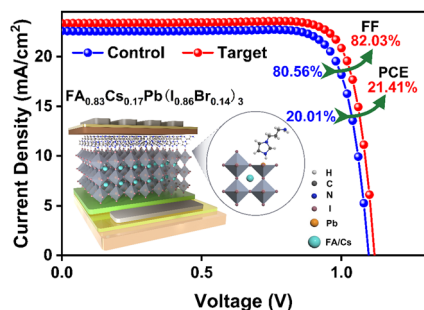
**NBS-induced intramolecular annulation reactions for the divergent synthesis of fused- and spirocyclic indolines**

Xian Luo, Meng-Meng Xu, Xiao-Ping Xu\* and Shun-Jun Ji\*



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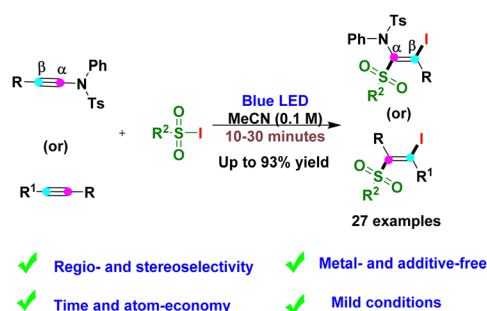
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### Surface termination passivation of imidazole-based diiodide enabling efficient inverted perovskite solar cells

Yu Wang, Jiaxing Song,\* Jingchuan Ye, Yingzhi Jin, Xinxing Yin, Zhen Su, Lin Hu, Yan Wu, Chufeng Qiu, Hao Wang, Wensheng Yan\* and Zaifang Li\*

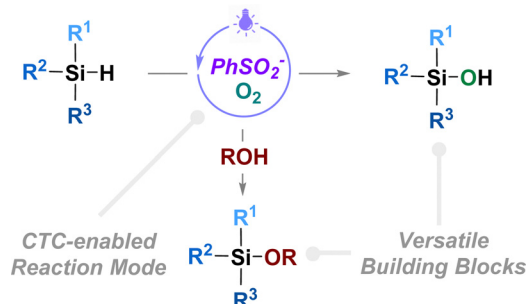
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### Light-mediated sulfonyl-iodination of ynamides and internal alkynes

Mohana Reddy Mutra, Jing Li and Jeh-Jeng Wang\*

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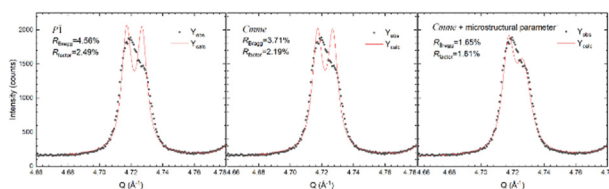


### Visible-light-driven oxidation of organosilanes by a charge-transfer complex

Yi-Xuan Chen, Jun-Tao He, Mei-Chun Wu, Zhi-Lin Liu, Peng-Ju Xia, Kai Chen, Hao-Yue Xiang\* and Hua Yang\*

## COMMENT

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### Comment on "Structural transition and superconductivity in hydrothermally synthesized FeX (X = S, Se)" by U. Pachmayr, N. Fehn and D. Johrendt, *Chem. Commun.*, 2016, 52, 194

Alberto Martinelli

