

## IN THIS ISSUE

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Volume 12 Number 11 January 2025

**ORGANIC CHEMISTRY**  
FRONTIERS

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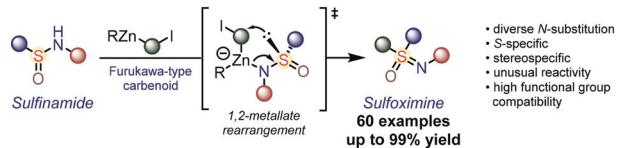
**Inside cover**See Olivier Provot, Christine Tran, Abdallah Hamze *et al.*, pp. 24–32.Image reproduced by permission of Abdallah Hamze from *Org. Chem. Front.*, 2025, **12**, 24.

## RESEARCH ARTICLES

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**S-Alkylation of sulfinamides with Zn-carbenoids: expanding stereoselective sulfoximine synthesis beyond NH derivatives**

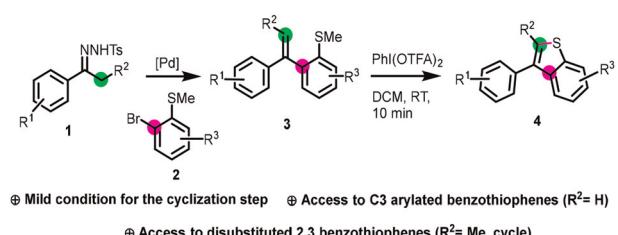
Glebs Jersovs, Dzonatans Melgalvis, Artis Kinens, Pavel A. Donets and Edgars Suna\*



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Xinya Liu, Olivier Provot,\* Christine Tran,\* Jean François Soulé and Abdallah Hamze\*





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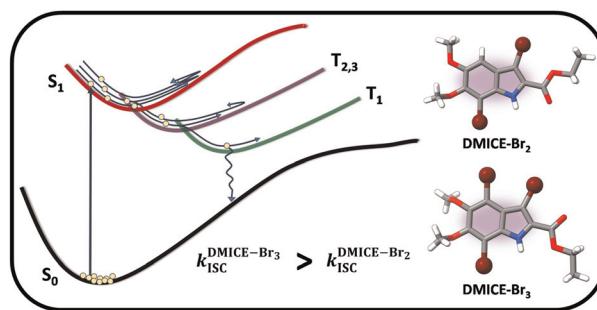
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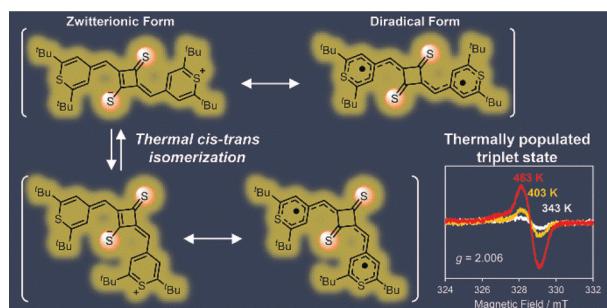
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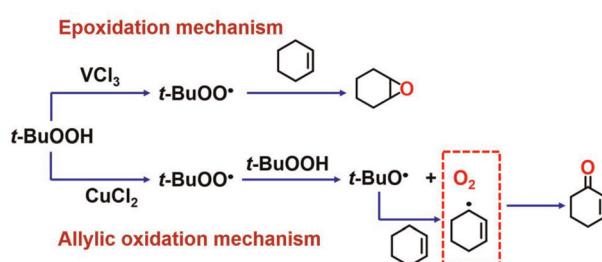
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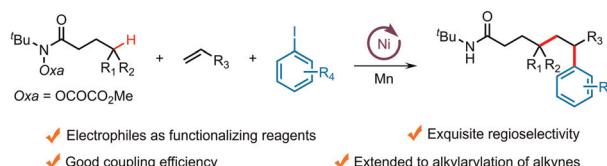
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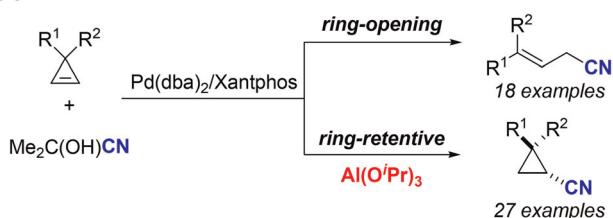
**Nickel-catalyzed reductive 1,2-alkylation of alkenes via a 1,5-hydrogen atom transfer (HAT) cascade**

Xi Chen, Qiang Wang, Xiao-Ping Gong, Rui-Qiang Jiao, Xue-Yuan Liu\* and Yong-Min Liang\*



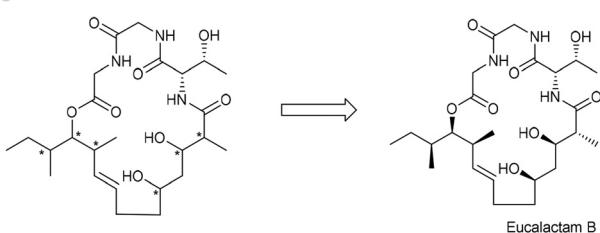
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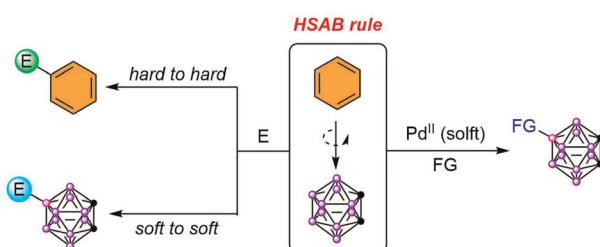
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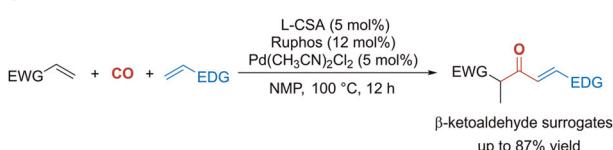
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**HSAB theory guiding electrophilic substitution reactions of *o*-carborane**

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**Palladium-catalyzed hydrocarbonylative cross-coupling with two different alkenes**

Yi Chen, Jianing Wu, Yongzheng Ding\* and Hanmin Huang\*

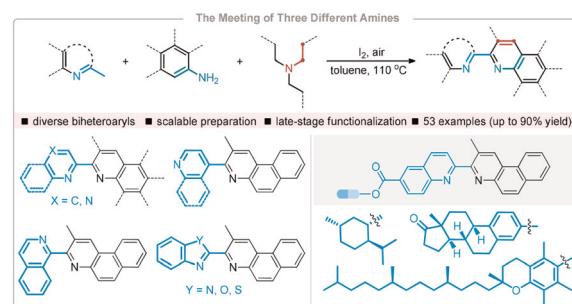


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**I<sub>2</sub>-Promoted oxidative annulation of three different amines to access diverse biheteroaryls**

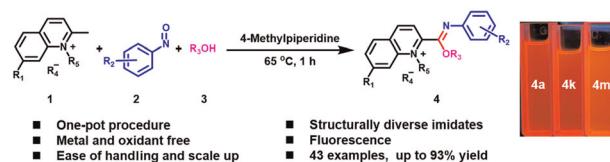
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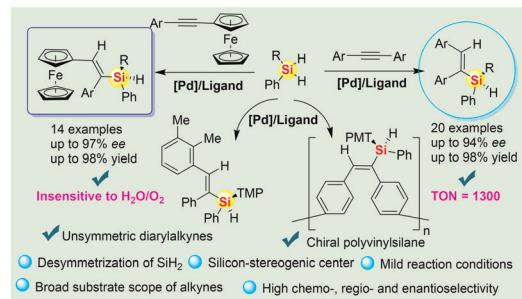
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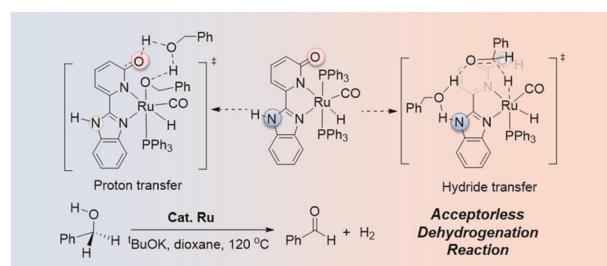
Heng Xu, Han-Xiao Yu, An-Jiu Wen, Fang-Ying Ling, Fei Ye, Li Li, Fuk Yee Kwong and Li-Wen Xu\*



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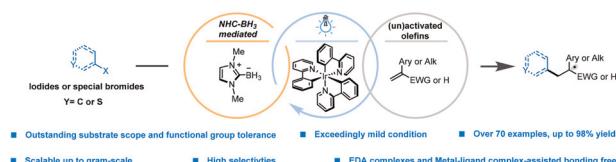
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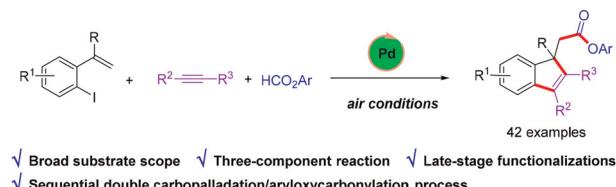
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### Synthesis of bambusurils with perfluoroalkylthiobenzyl groups as highly potent halide receptors

Matúš Chvojka, Hennie Valkenier\* and Vladimír Šindelář\*

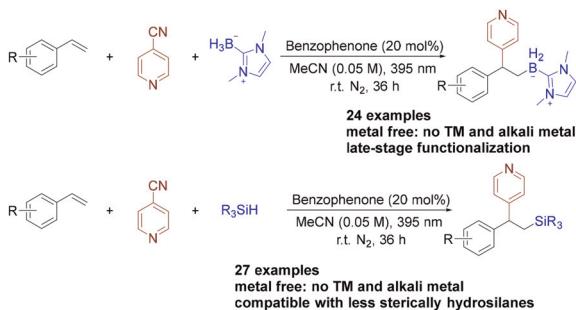
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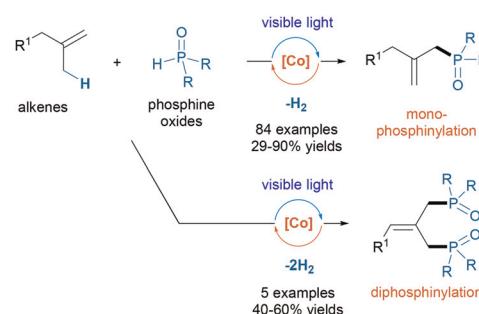


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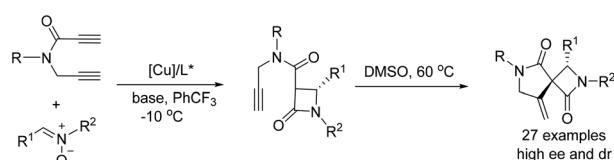
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Shanyue Li, Qicai Ma, Bohua Wu, Haowen Ma, Wei Zhou\* and Qian Cai\*



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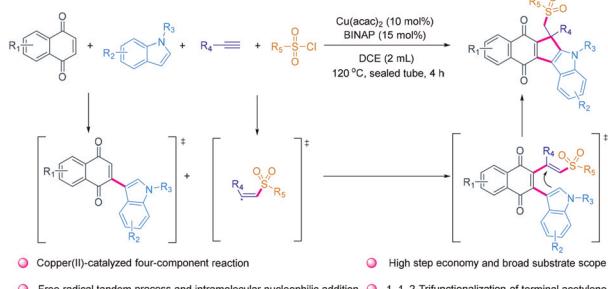
**LiTMP-LiBr complex-induced lateral lithiation and cross ester condensation: direct access to isocoumarins from 2-methoxy o-toluate esters**

Mintu Rehman, Sajib Daimary, Rasajna Madhusudhana and Rajendar Goreti\*



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Copper(II)-catalyzed four-component reaction

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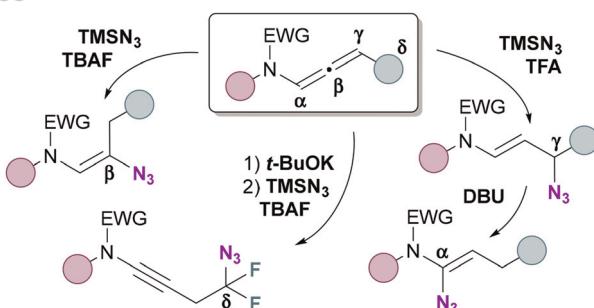
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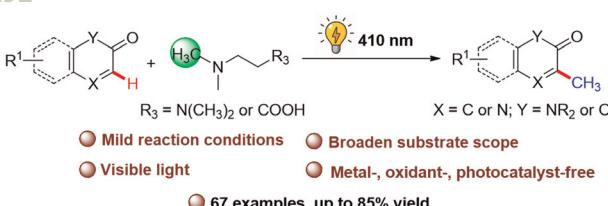
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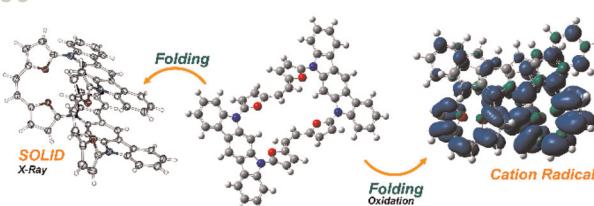
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**Folding of a dynamic macrocyclic system to stabilize its cation radical state**

Arnab Dutta, Krzysztof Dzieśkowski, Marco Farinone, Łukasz Orzeł, Krzysztof Kruczkała, Monika Kijewska and Mirosław Pawlicki\*

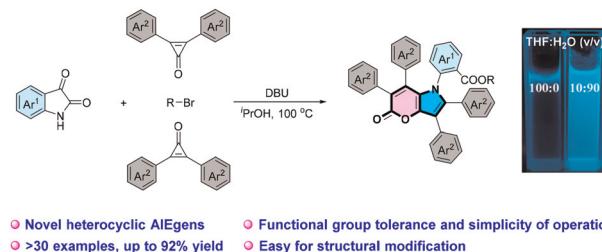


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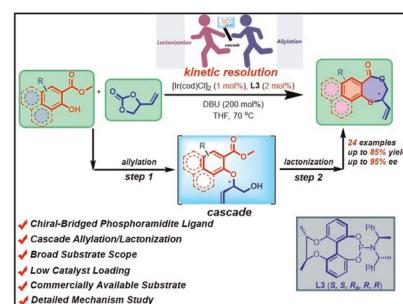
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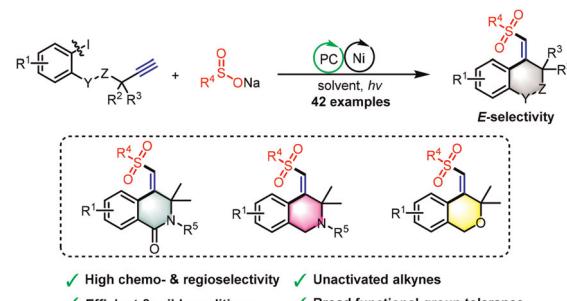
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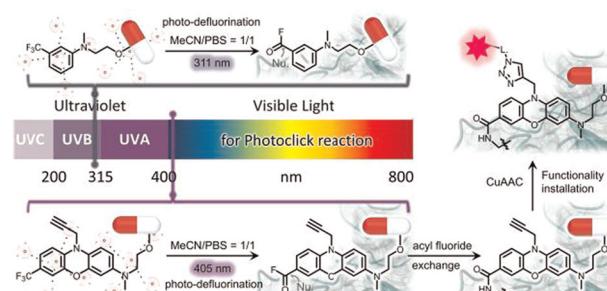
Bo-Rong Leng, Feng Yang, Jin-Lian Bai, Yu-Wen Huang, Qing-Quan Liu,\* Ping Wei, De-Cai Wang\* and Yi-Long Zhu\*



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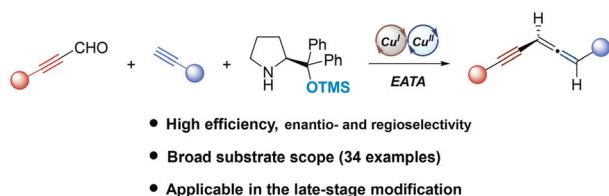
## Visible-light responsive defluorination-acyl fluoride exchange for photoclick labeling based on phenoxazine chromophores

Lijun Deng, Sitong Li, Cefei Zhang, Yuqiao Zhou, Zhishan Su,\* Changwei Hu, Xiaohu Zhao and Zhipeng Yu\*



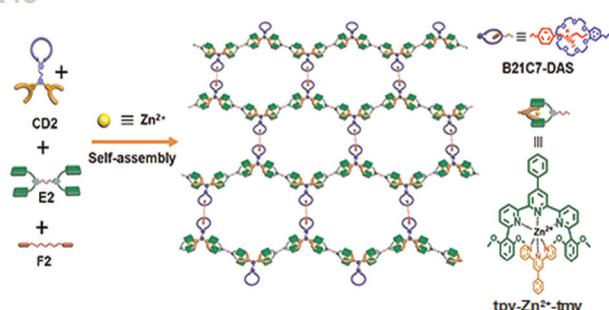
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Guolin Wu, Zhen Liu, Shiwen Fan, Wenyao Li, Xue Zhang,\* Hui Qian\* and Shengming Ma\*

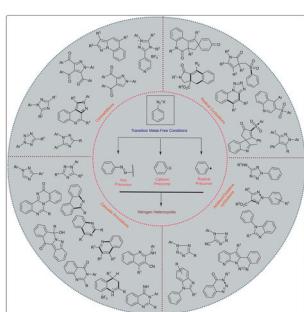
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**Hierarchical supramolecular assembly based on metal coordination of asymmetric ligand pairs and host–guest recognition**

Hui Li,\* Yan Dong, RiQiang Li, Yan Zhang, Shengyong Liu and Wei Tian\*

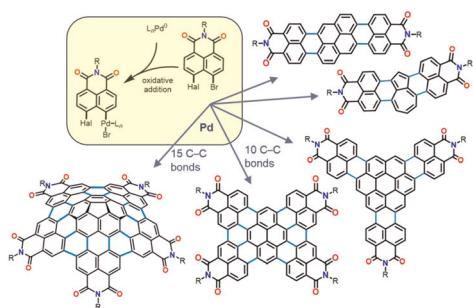
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Mani Ramanathan\* and Ziad Moussa\*

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Kazutaka Shoyama\* and Frank Würthner\*

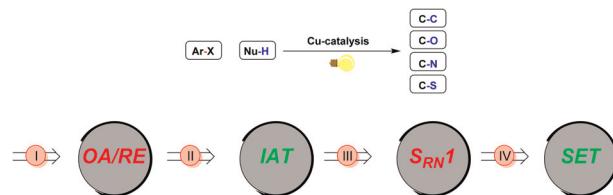


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**Photoinduced Ullmann-type cross-coupling reactions: mechanistic insights and emerging challenges**

Ahmed Th. Abdulghaffar, Haolong Zhang,  
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**Correction: Calix[4]pyrrole bis-crowns as ion pair receptors: cation selectivity modulated by counter anions**

Ju Ho Yang, Ju Hyun Oh, Seung-Ryong Kwon and Sung Kuk Kim\*

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**Correction: Hierarchical supramolecular assembly based on metal coordination of asymmetric ligand pairs and host–guest recognition**

Hui Li,\* Yan Dong, RiQiang Li, Yan Zhang, Shengyong Liu and Wei Tian\*