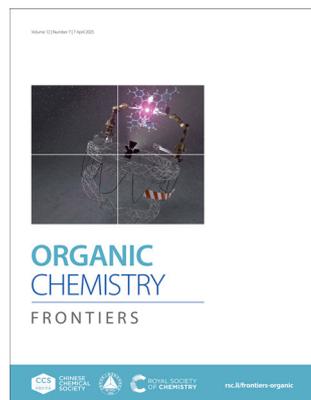


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#### Cover

See Ángel L. Fuentes de Arriba, Juan R. Granja *et al.*, pp. 2149–2158.

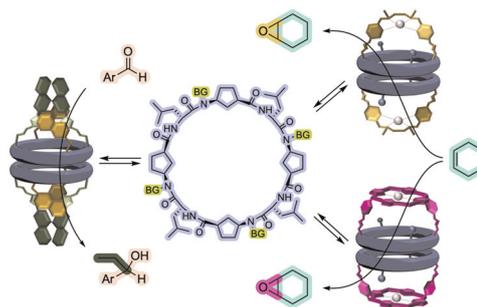
Image reproduced by permission of M. Eugenio Vázquez from *Org. Chem. Front.*, 2025, **12**, 2149.

### RESEARCH ARTICLES

2149

#### Modular supramolecular capsules based on $\alpha,\gamma$ -cyclic peptide dimers for the development of confined catalysis

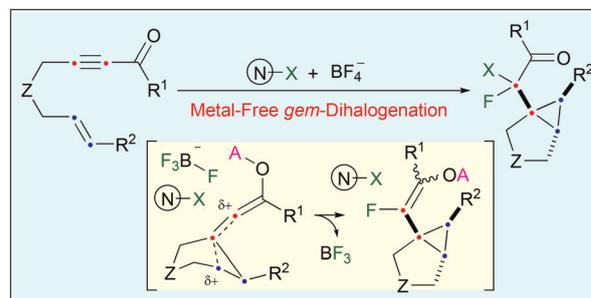
Ezequiel Troncoso Mondragón, Alberto Fuertes, Martín Calvelo, Ángel L. Fuentes de Arriba,\* Manuel Amorín and Juan R. Granja\*



2159

#### Cycloisomerization of 7-en-2-yn-1-ones to bicyclo [3.1.0]hexanes using electrophilic fluorination or chlorination agents

Yuki Yasuda, Daisuke Sato, Akira Tsubouchi and Akio Saito\*



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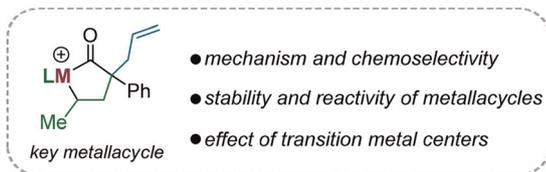
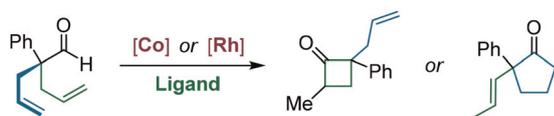
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## RESEARCH ARTICLES

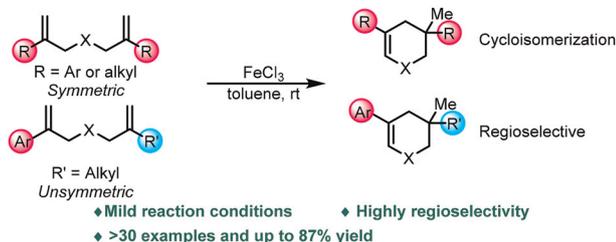
2194



### Understanding the influence of metal centers on the mechanism and chemoselectivity of transition-metal-catalyzed cyclizations of dienyl aldehydes

Jian-Biao Liu,\* Yan Wang, Hai-Yan Wang and Xiao-Jun Liu\*

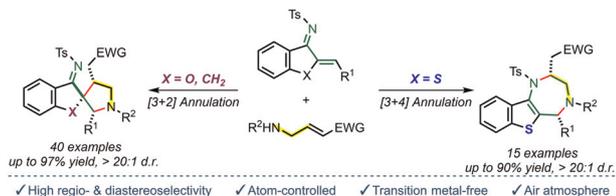
2205



### FeCl<sub>3</sub> promoted cycloisomerization of 1,6-dienes

Zhongjian Du, Chenlei Ji, Xu Wang, Zhenyu Wang, Zhenguo Guo\* and Yang'en You\*

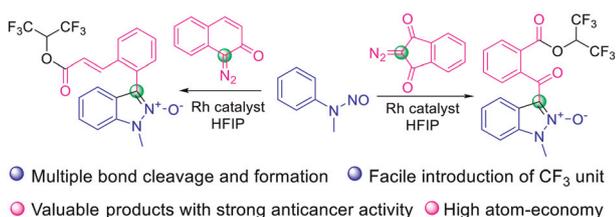
2212



### Atom-controlled divergent synthesis of spiro and fused rings via base-catalyzed chemoselective annulation

Gang Chen, Guangjie Nie, Linxuan Li,\* Jie Fu, Hui Yao, Nianyu Huang\* and Nengzhong Wang\*

2219



### Divergent synthesis of functionalized indazole N-oxides with anticancer activity via the cascade reaction of N-nitrosoanilines with diazo compounds and HFIP

Yuqian Sun, Shengnan Yan, Kelin Wang, Bin Li, Chunhua Ma, Xinying Zhang\* and Xuesen Fan\*

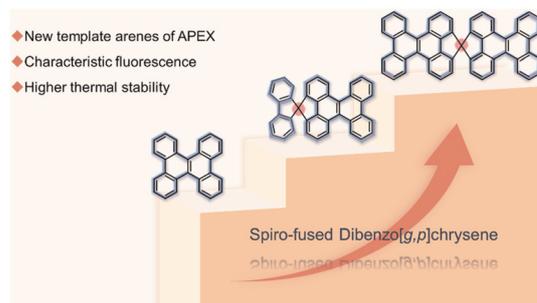


## RESEARCH ARTICLES

2225

**Spiro-fused dibenzo[*g,p*]chrysene: annulative  $\pi$ -extension (APEX) synthesis and properties**

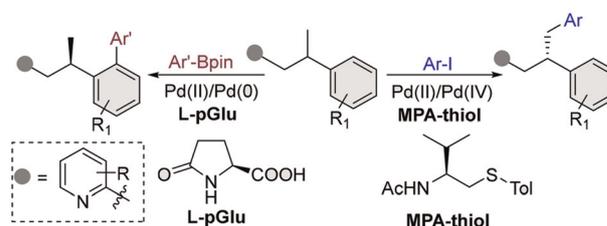
Kanghui Song, Yuying Zhang, Shuai Wu, Sha Yang, Shengchen Wei, Songhua Chen, Hideto Ito,\* Kenichiro Itami\* and Yuanming Li\*



2232

**Ligand-enabled enantio- and site-selective remote C–H arylation of 2-(2-phenpropyl)pyridine derivatives**

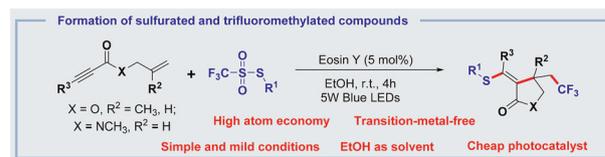
Dai-Yu Li, Jin-Ping Li, Shunsuke Yabu, Li-Sheng Wang, Hirofumi Sato, Masahiro Higashi,\* Yoichiro Kuninobu\* and Hong-Liang Li\*



2242

**Diastereoselective visible-light-induced radical cascade trifluoromethylation/sulfuration/cyclization of 1,6-enynes with *S*-aryl trifluoromethanesulfonothioate (TTSA)**

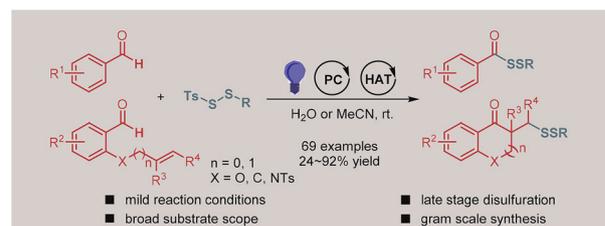
Yuhao Jiang, Jiapeng Sun, Qi Hu, Jianmin Huang, Yingming Song, Hua Cao\* and Yue Yu\*



2248

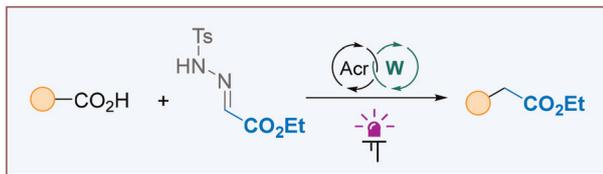
**Photocatalytic selective disulfuration of aryl aldehydes and alkenyl aldehydes with dithiosulfonate as a bifunctional disulfur reagent and hydrogen atom acceptor**

Jingchao Jiao, Juan Xu, Jingru Li, Hongru He, Runliang Yang, Xiaorui Ren, Qianwen Gao\* and Xi Wang\*



## RESEARCH ARTICLES

2255

**Direct C1 homologation of carboxylic acids: free radical approach enabled by acridine catalysis**

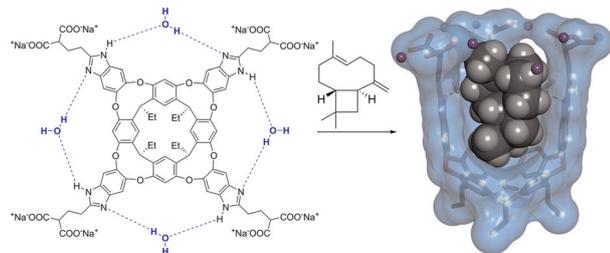
Zakhar M. Rubanov, Vitalij V. Levin and Alexander D. Dilman\*

2260

**Palladium-catalyzed Catellani-type selective C–H silylation of aryl-TT salts**

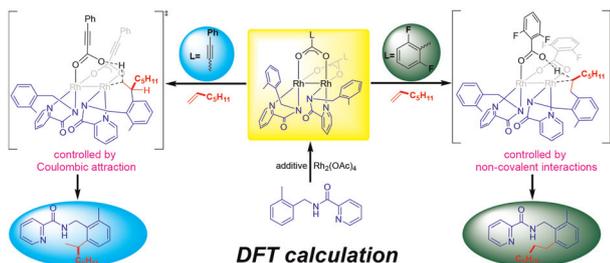
Ziyao Tang, Mangang Guan, Tianqiang Wang, Guojun Yu, Jiaze Qin, Jingfeng Lan and Rulong Yan\*

2266

**A superior and accessible cavitaand receptor for the binding of monoterpenes and sesquiterpenes in water**

Hugo Marchi Luciano, Ricard López-Coll, Rubén Álvarez-Yebra and Agustí Lledó\*

2273

**The influence of an acid additive on linear and branch selectivity in the C–H alkylation of *N*-pyridinecarbonyl-protected 2-methylbenzylamine with 1-heptene catalyzed by  $\text{Rh}_2(\text{OAc})_4$ : a theoretical investigation**

Lingli Han, Fei Guan, Zifan Chen, Yaqian Xing, Zitong Meng, Kang Lv and Tao Liu\*

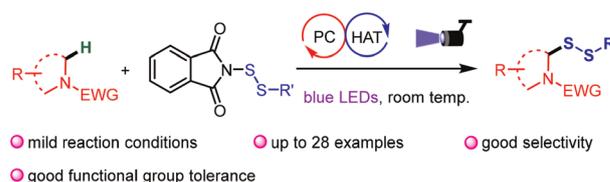


## RESEARCH ARTICLES

2286

### Visible-light induced direct C(sp<sup>3</sup>)-H bond disulfidation of saturated N-heterocycles through a hydrogen atom transfer (HAT) process

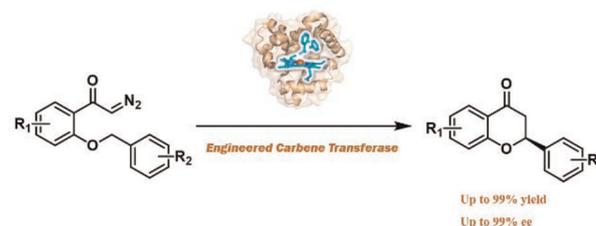
Junlei Wang,\* Guocheng Gao, Chengcheng Shi, Han Gao, Ji Luo, Guofen Wei, Daohai Zhang, Hongqing Li, Tonghao Yang\* and Binbin Huang\*



2292

### Stereoselective construction of chiral flavanones via enzymatic intramolecular C(sp<sup>3</sup>)-H activation

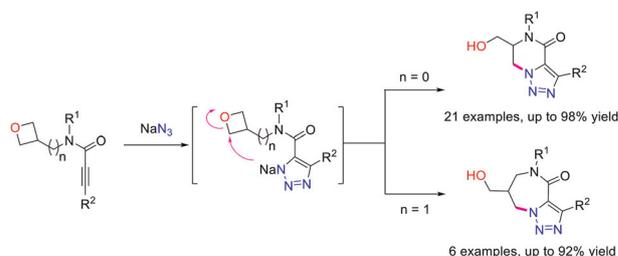
Hanzi Gao, Edgar Africano Camargo, Jude N. Ubi, Xiuyuan Duan, Guojun Zheng,\* Shuaihua Gao\* and Qipeng Yuan\*



2299

### A transition-metal-free azide-alkyne cycloaddition/oxetane ring opening cascade reaction for the construction of hydroxymethyl decorated triazole-fused piperazin-2-ones and [1,4]diazepin-4-ones

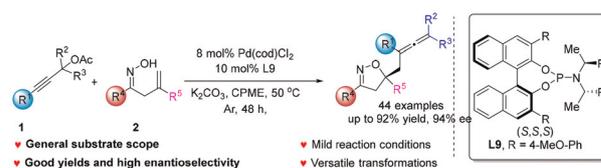
Cong Fu, Mingjin Xu, Qicai Ma, Wenjing Wang, Shanyue Li, Qingjie Zhao\* and Wei Zhou\*



2305

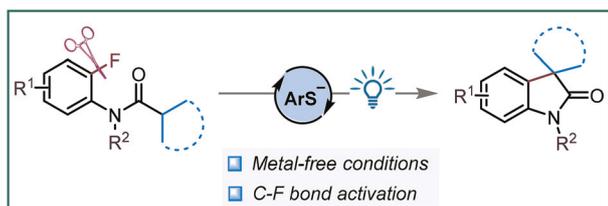
### Enantioselective synthesis of isoxazolines bearing allenes by palladium-catalyzed carboetherification of $\beta,\gamma$ -unsaturated ketoximes with propargylic acetates

Feifei Jin, Cangzhu Hu, Shuaijie Wu, Guodong Zhang, Ying Han, Chao-Guo Yan, Wenbo Li,\* Chaoshen Zhang\* and Lei Wang\*



## RESEARCH ARTICLES

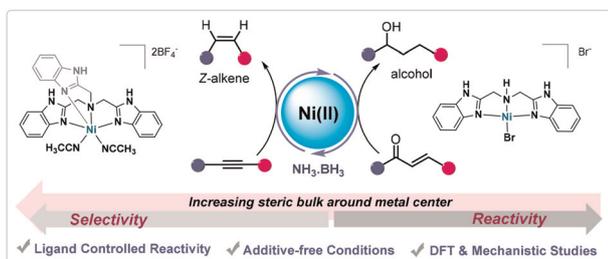
2314



### Arenethiolate-catalyzed $C_{\text{aryl}}-F$ bond activation: synthesis of oxindoles

Shengyun Liu, Mingying Li, Wei Xiao\* and Jie Wu\*

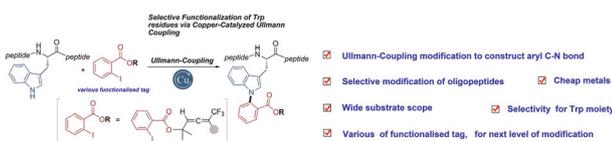
2321



### Ligand-modulated phosphine-free Ni(II) complexes for Z-selective semi-transfer hydrogenation of alkynes and dual transfer hydrogenation of $\alpha,\beta$ -unsaturated ketones using ammonia borane

Tanmoy Kumar Ghosh, Anirban Sau, Divya Mahapatra and Sabuj Kundu\*

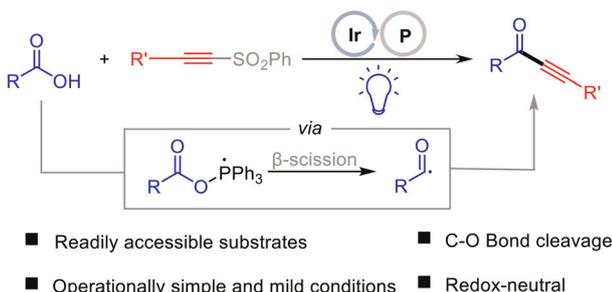
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### Selective functionalization of Trp residues via copper-catalyzed Ullmann coupling

Xinru Liang, Junjie Shi, Qiuju Zhong, Lai Li, Yutao Liu, Tong Sun, Junxi Liang, Xianying Shi, Gaoqiang Li and Mingyu Yang\*

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### Photoredox catalytic phosphine-mediated deoxygenative alkylation of carboxylic acids with alkynyl sulfones for alkynone synthesis

Wen-Huan Tang, Li-Yuan Wu, Quan-Quan Zhou\* and Jie-Ping Wan\*



## RESEARCH ARTICLES

2346

Water mediated synthesis of dialkylphosphine oxides from white phosphorus and *N*-(acyloxy)phthalimides

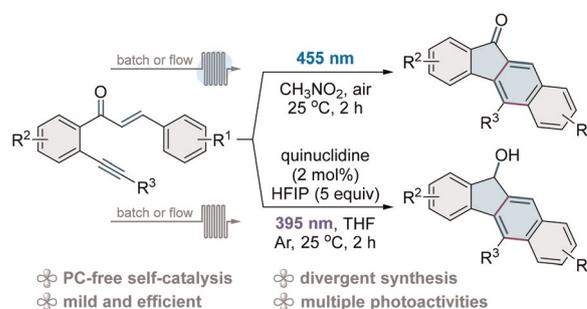
Guo Tang,\* Xuanlin Zhu, Jiali He, Yan Liu and Yufen Zhao



2352

Self-photocatalysis with multiple activities: divergent synthesis of benzo[*b*]fluorenones and benzo[*b*]fluorenols from enone-yne

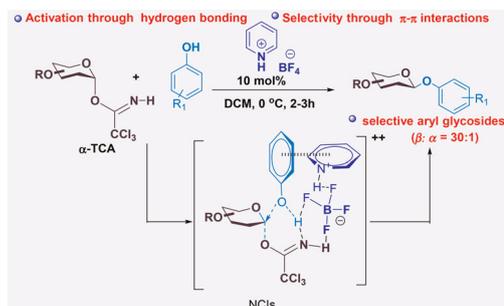
Jifu Shi, Qingyao Sun, YunLing Gao, Yongqin Hu, Weili Li, Binbin He, Shulin Gao,\* Shaoguang Sun\* and Deqiang Liang\*



2362

Exploiting  $\pi$  and hydrogen bonding interactions of a strain-free pyridinium tetrafluoroborate salt for stereoselective synthesis of *O*-aryl glycosides

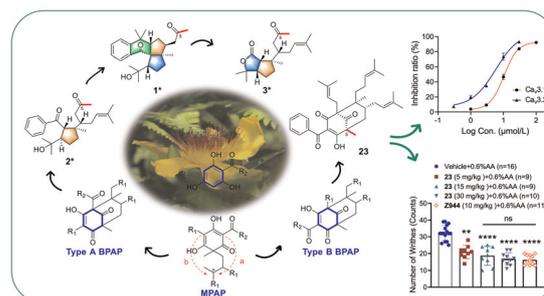
Anjali Aghi, Sankar Sau and Amit Kumar\*



2375

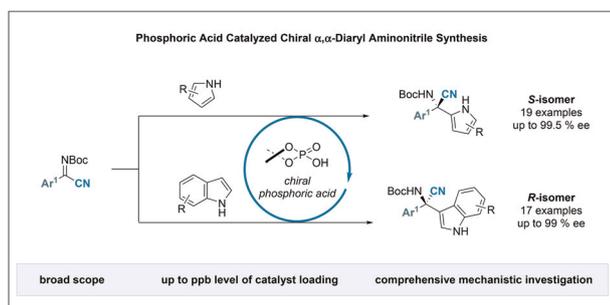
5-Methylated polyprenylated acylphloroglucinol derivatives as low-voltage-gated Ca<sup>2+</sup> channel inhibitors

Ya-Li Hu, Ding Dong, Jian-Jun Zhao, Kun Hu, Ling-Mei Kong, Yun-Xia Hu, Xing-Ren Li, Song-Yu Li, Yin Nian\* and Gang Xu\*



## RESEARCH ARTICLES

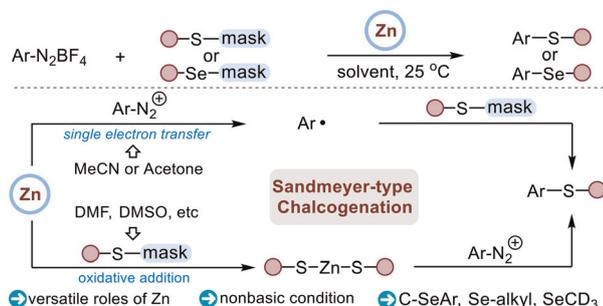
2382



### Enantioselective modular synthesis of $\alpha$ -aryl- $\alpha$ -heteroaryl aminonitriles with parts per million organocatalyst loading: mechanistic investigation for stereochemical origins

Yusuke Oyamada, Kaito Ishikawa, Tsunayoshi Takehara, Takeyuki Suzuki and Shuichi Nakamura\*

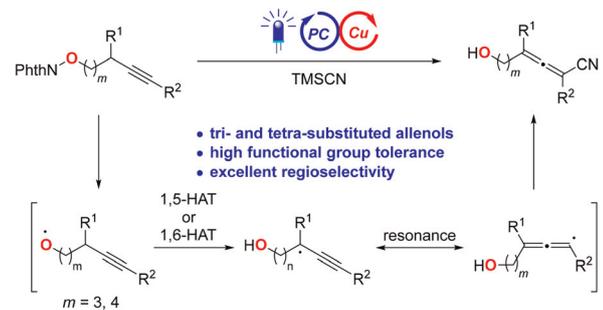
2393



### Zn-promoted Sandmeyer-type reductive chalcogenation of (hetero)aryl diazonium salts

Qiujin Fan, Yanchuang Zhao, Junhong Wang, Ying Bai, Shengbin Zhou\* and Xinxin Shao\*

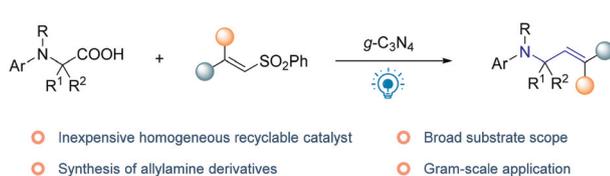
2401



### Photoredox copper-catalyzed regioselective syntheses of allenols via HAT-mediated propargyl radical generation

Wenyao Li, Hao Yu\* and Shengming Ma\*

2409



### Recyclable $g$ -C<sub>3</sub>N<sub>4</sub> catalyzed decarboxylative alkenylation of $N$ -aryl glycines with vinyl sulfones under visible-light irradiation

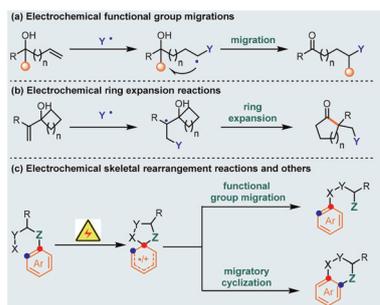
Chengjie Guo, Guozhi Zhao, Yabiao Feng, Dong Chen, Teck-Peng Loh,\* Dongping Wang\* and Zhenhua Jia\*





## REVIEWS

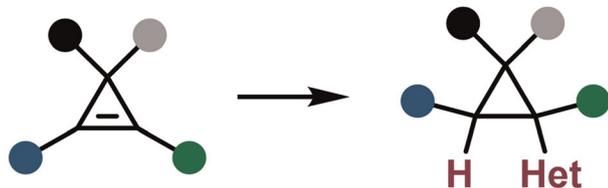
2499



## Recent progress in electrochemical rearrangement reactions

Zhaojiang Shi,\* Chao-Yan Wen, Li-Xue Yang, Jianan Li\* and Xiaoxia Sun\*

2525



(Het = B, Si, Ge, Sn, N, P, O, S, Se)

Recent advances in hydrofunctionalisation of cyclopropenes *via* carbon–heteroatom bond formation

Jorge García-Lacuna, Gema Domínguez, Ángel Manu Martínez\* and Javier Pérez-Castells\*

## CORRECTION

2552

## Correction: A visible light-mediated three-component strategy based on the ring-opening of cyclic ethers with aryldiazoacetates and nucleophiles

Mateus L. Stivanin, Rafael D. C. Gallo, João Paulo M. Spadeto, Rodrigo A. Cormanich and Igor D. Jurberg\*

