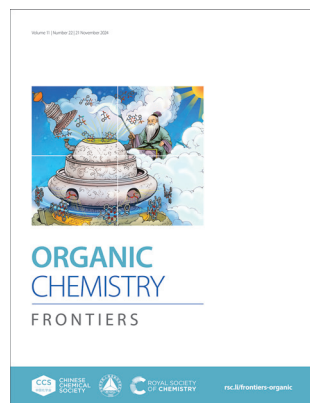


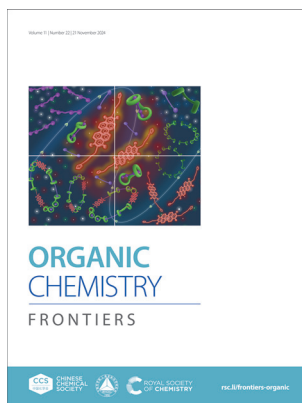
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**Cover**

See Wenfang Xiong, Zhenyu Chen, Jinwu Zhao *et al.*, pp. 6287–6292.

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**Inside cover**

See Ilenia Pisagatti, Giuseppe Gattuso *et al.*, pp. 6293–6303.

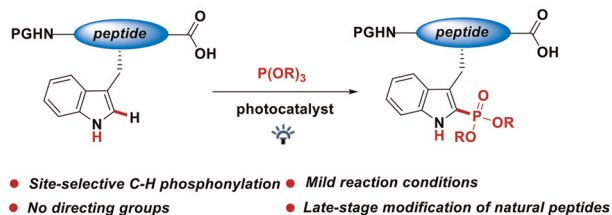
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RESEARCH ARTICLES

6287

Visible-light mediated selective phosphonylation modification of tryptophan residues in oligopeptides

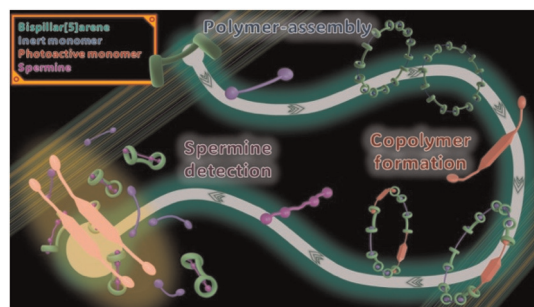
Wenfang Xiong,* Junye He, Jinyao Liu, Peiru Chen, Shiqi Xu, Yipeng Liu, Shiting Chen, Yuanyuan You, Zhenyu Chen* and Jinwu Zhao*



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A pillar[5]arene-based three-component supramolecular copolymer for the fluorescence detection of spermine

Martina Mazzaferro, Daniele Crisafulli, Francesca Mancuso, Marco Milone, Fausto Puntoriero, Anna Irto, Salvatore Patanè, Valentina Greco, Alessandro Giuffrida, Ilenia Pisagatti,* Anna Notti, Melchiorre F. Parisi and Giuseppe Gattuso*



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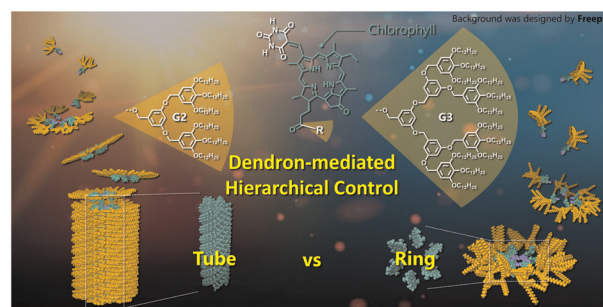
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6304

Dendron-mediated control over self-assembly of chlorophyll rosettes into columnar vs. discrete aggregates

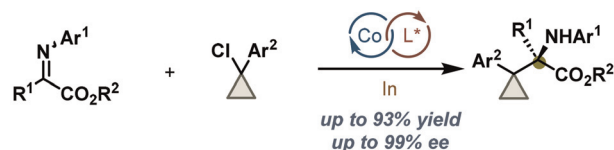
Ryo Kudo, Hiroki Hanayama,
Balaraman Vedhanarayanan, Hitoshi Tamiaki,
Nobuyuki Hara, Sarah E. Rogers, Martin J. Hollamby,
Biplab Manna, Koji Harano and Shiki Yagai*



6311

Cobalt-catalyzed enantioselective reductive addition of ketimine with cyclopropyl chloride to construct chiral amino esters bearing cyclopropyl fragments

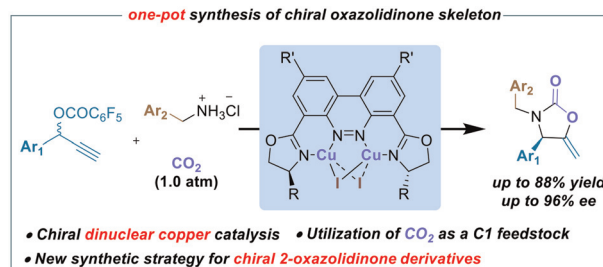
Jiangtao Hu, Tingting Xia, Xianqing Wu, Hongrui Feng,
Jingping Qu and Yifeng Chen*



6319

Well-defined chiral dinuclear copper-catalyzed tandem asymmetric propargylic amination–carboxylative cyclization sequence toward chiral 2-oxazolidinone derivatives

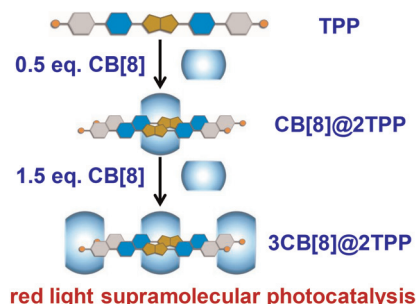
Yu Lan, Peng Liu, Zekai Fang, Lili Shao, Qilong Cai* and
Xiaoming Wang*



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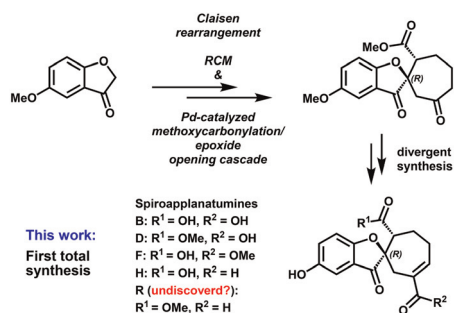
A cucurbit[8]uril-mediated host–guest complex for red-light photocatalysis

Weiwan Xu,* Yinghao Du, He Ma, Xingchen Tang,
Jiang-Fei Xu and Xi Zhang*



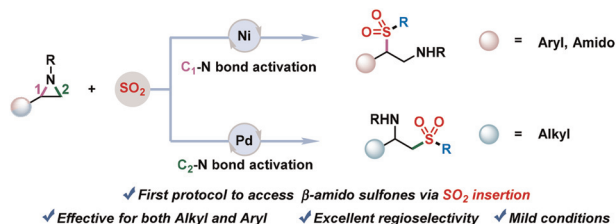
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Total synthesis of spiro *Ganoderma* meroterpenoids spiroapplanatamines B, D, F, and H

Jia-Hao Zhang, Wen-Cai Luo, Wen-Tao Chen, Yu-Tao He* and Ya-Jian Hu*

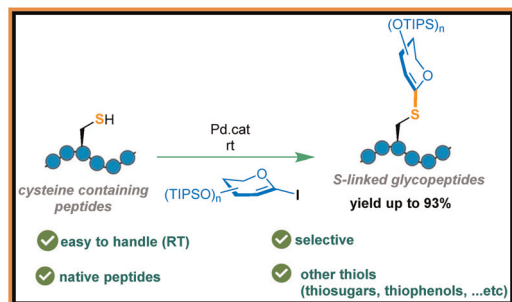
6340



Transition-metal-catalyzed regiodivergent sulfonylation of aziridines for the synthesis of β-amino sulfones

Qinqiong Zeng, Yujia Gong, Xiaochun He, Xuemei Zhang* and Zhong Lian*

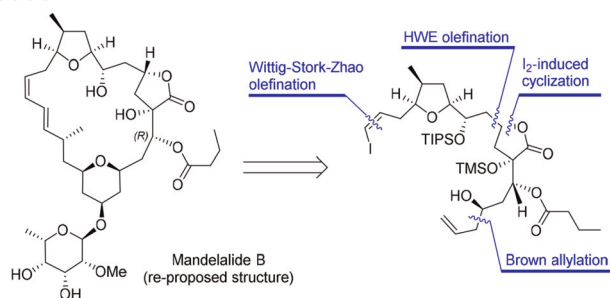
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Pd-catalyzed S-glycosylation of cysteine-containing peptides at room temperature

Linhua Shen, Franck Le Bideau, Gong Chen and Samir Messaoudi*

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Towards the total synthesis of mandelalide B: construction of the tetrahydrofuran/α-hydroxyl lactone fragment

Jia-Lei Yan, Jie Yu, Yingying Cheng, Mingze Yang, Zhengshuang Xu and Tao Ye*

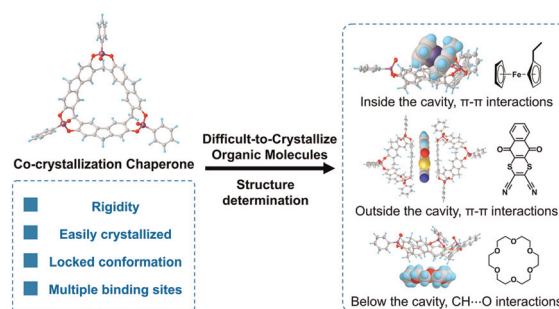


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Structure determination of difficult-to-crystallize organic molecules by co-crystallization of a phosphorylated macrocycle

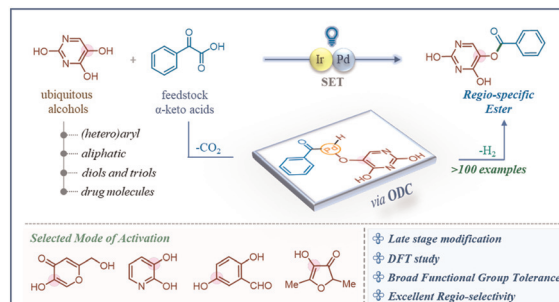
Heng Li, Zhijin Li, Juli Jiang,* Chen Lin* and Leyong Wang



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Iridium/palladium dual photocatalysis for oxidative decarboxylative esterification of alcohols using α -keto acids

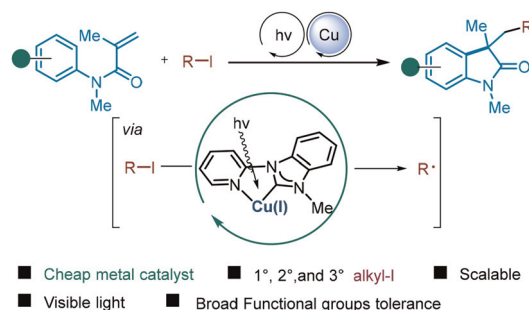
Subal Mondal, Soumya Mondal, Debabrata Halder, Siba P. Midya, Ankan Paul* and Pradyut Ghosh*



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Visible-light excited copper activating unactivated alkyl iodides for radical addition/cyclization to access oxindole derivatives

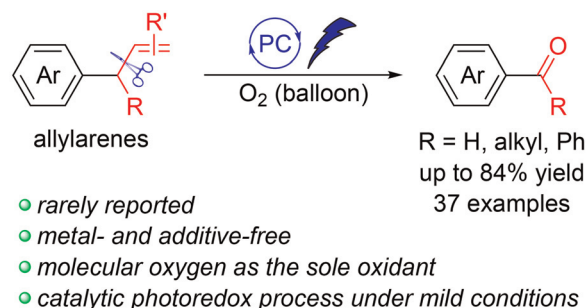
Hang Luo, Fangnian Yu and Luqing Lin*



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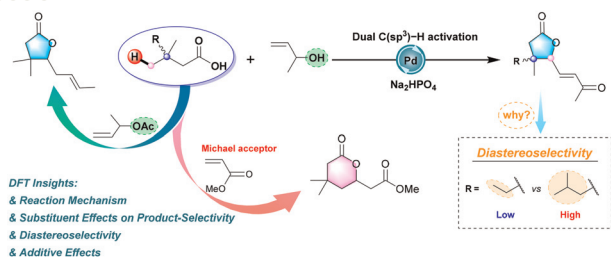
Visible light-induced aerobic photooxidative cleavage of $C(sp^3)$ - $C(sp^2)$ σ -bonds of allylarenes

Jinyu Tang, Xi Zhao, Jinxuan Ni, Yanping Huo, Yang Gao, Xianwei Li, Yan Liu, Keiji Maruoka and Qian Chen*



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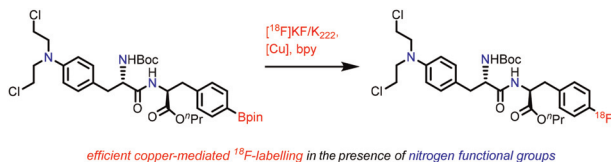
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Theoretical insights into Pd-catalyzed dual γ -1,1-C(sp³)-H activation of aliphatic carboxylic acids: mechanistic pathways, substituent influence on product selectivity, diastereoselectivity, and additive effects

Jiaoyang Liu, Li-juan Huang, Zeang Sun and Juan Li*

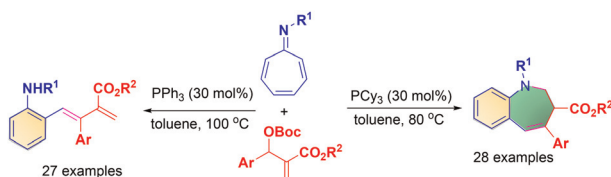
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¹⁸F-labelling of nitrogen-containing aryl boronates – anti-cancer drug melflufen as a case study

Kevin Bajerke, Fredrik Lehmann, Gunnar Antoni and Kálmán J. Szabó*

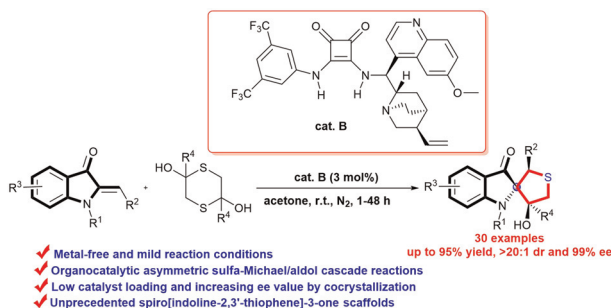
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Phosphine-controlled divergent reactions of MBH-carbonates with azaheptafulvenes: access to *o*-anilinyll diene and benzazepine derivatives

Wei Hao, Yiwen Zhang, Xiao Han, Zhen Wang* and Weijun Yao*

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Chiral synthetic unprecedented spiro[indoline-2,3'-thiophen]-3-ones via an organocatalytic asymmetric sulfa-Michael/aldol cascade reaction

Mao Zhang, Xing-Hai Fei, Gui-Ping Yang, Cheng Lin, Wen-Jie Li, Ming-Liang Rao, Meng Zhou, Chong Zhao,* Bin He* and Yong-Long Zhao*

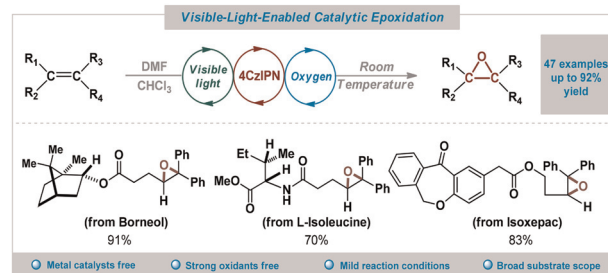


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Visible-light-promoted catalytic epoxidation of alkenes under metal-free conditions

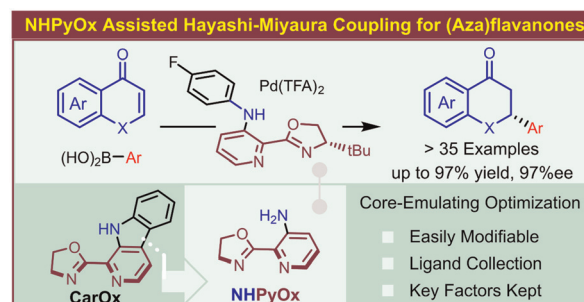
Dabao Tan, Xiaoyan Cai, Lele Zhang, Boyu Liu, Jianbin Zeng, Feiming Li, Zhixiong Cai, Mingqiang Huang, Xiaoping Chen and Shunyou Cai*



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Asymmetric synthesis of (aza)flavanones by the evolution of CarOx ligands

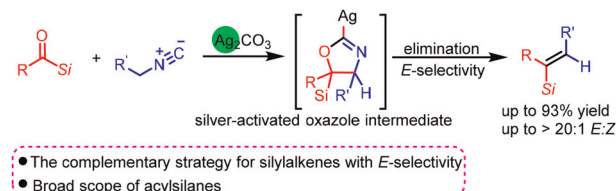
Juan Yang, Wenlong Kong, Mingxin Chang, Jixing Lai and Shengkun Li*



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A general method for *E*-selective olefination of acylsilanes with isocyanides via silver catalysis

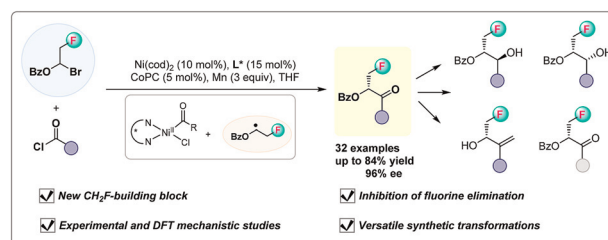
Xiu-Xia Liang, Dan-Ni Yang, Xiao-Hui Yan, Peng Wang* and Man-Yi Han*



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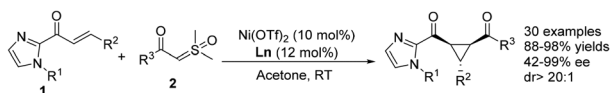
Nickel-catalysed enantioselective cross-electrophile coupling reaction with the retention of the β -fluorine atom

Xin-Yi Shi, Xueyuan Yan, Xiaodong Tang, Shi-Jing Zhai, Genping Huang, Jun-An Ma and Fa-Guang Zhang*



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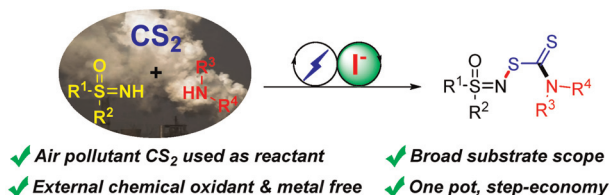
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Design, synthesis and application of bipyridine-*N,N'*-dioxide catalysts in asymmetric synthesis of chiral cyclopropanes

Xiaoying Cao, Xue Tian, Minmin Liu and Shi-Wu Li*

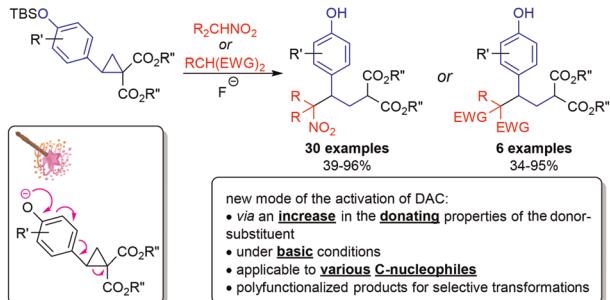
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Electrochemical approach for upgrading the pollutant CS₂: three-component N–H thiocarbonylation of sulfoximines

Peng Qian,* Wenjing Xiong, Qian Meng, Jinxiu Liu, Xiyuan Li and Liangquan Sheng*

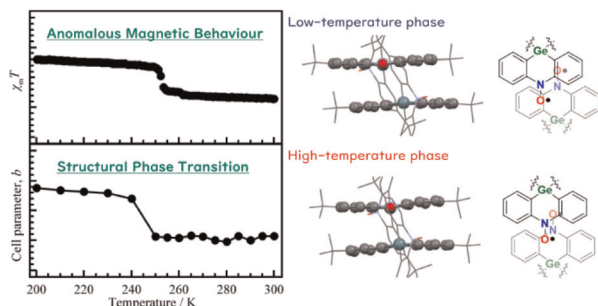
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Activation of donor–acceptor cyclopropanes under basic conditions: ring opening of 2-(*p*-siloxyaryl)cyclopropane 1,1-dicarboxylates with nitro compounds and other C-nucleophiles

Yulia A. Antonova and Andrey A. Tabolin*

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Anomalous magnetic behaviour induced by a structural phase transition with anisotropic thermal expansion in a spirodiradical

Takuya Kanetomo,* Daigo Matsunaga, Shinichi Ogawa and Masaya Enomoto*

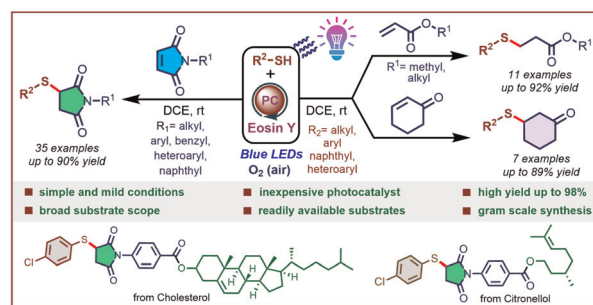


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Sulfenylation of bioactive maleimides, acrylates and cyclohexenones under ambient organophotocatalysis

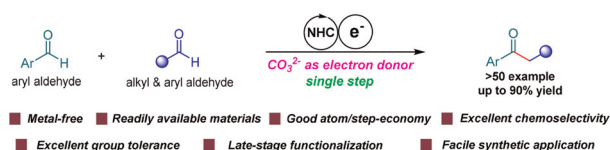
Debanjana Bag, Rajjakfur Rahaman,* Anindya S. Manna, Subhasis Pal, Rajesh Nandi, Shobhon Aich, Narendra Nath Ghosh and Dilip K. Maiti*



6510

Carbonate-assisted selectively deoxygenative cross-coupling reaction between aryl and aliphatic aldehydes: a straightforward route to access α -alkylated aryl ketones

Yu Sun, Yi Wang and Zhijun Zuo*

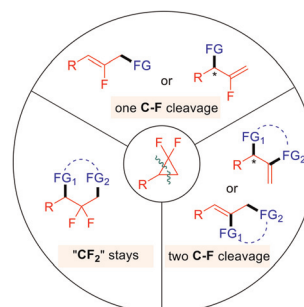


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Recent developments in the ring-opening transformations of *gem*-difluorocyclopropanes

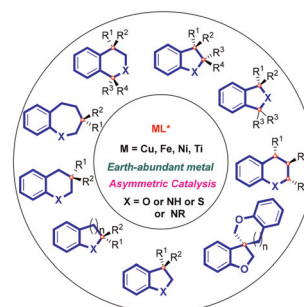
Leiyang Lv,* Junqi Su and Zhiping Li



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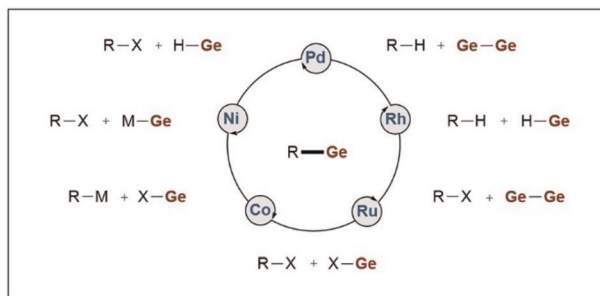
Recent advances in asymmetric synthesis of chiral benzoheterocycles via Earth-abundant metal catalysis

Jinhui Cai,* Wenting Zhang, Usman Muhammad,* Weishuang Li* and Yanjun Xie*



REVIEWS

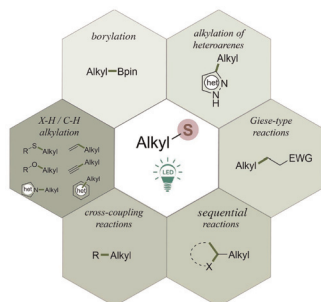
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Transition-metal-catalyzed C–Ge coupling reactions

Jie Ke, Cadmus Du Chen, Li-Qing Ren, Bing Zu, Bin Li* and Chuan He*

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Shining light on sulfonium salts and sulfur ylides: recent advances in alkylation under photoredox catalysis

Zhe Jin, Tingwei Yu, Hui Wang,* Penghao Jia* and You Huang*

