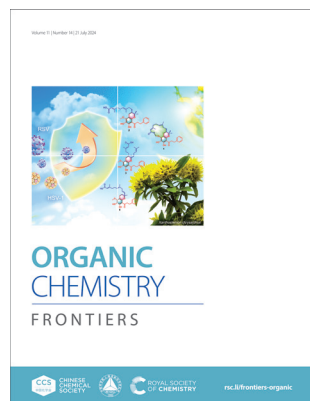


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Lei Wang *et al.*,
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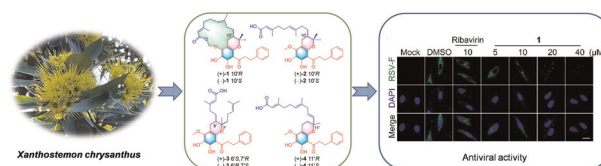
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RESEARCH ARTICLES

3814

Xanthrysols A–D, novel meroterpenoids with antiviral activities from *Xanthostemon chrysanthus*

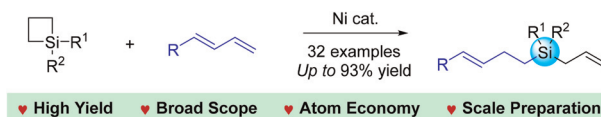
Fen Liu, Ji-Hong Gu, Zi-Yue Zhang, Qiong Zhan,
Hai-Xia Yang, Yun Hu, Jin-Yan Zhang, Wei Tang,*
Wen-Cai Ye* and Lei Wang*



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Nickel(0)-catalyzed ring-opening reaction of silacyclobutanes with 1,3-dienes to access allylsilane

Mengyuan Liu, Kexin Dong, Bing Xu, Zhan-Ming Zhang,*
Zhong Wei* and Junliang Zhang*



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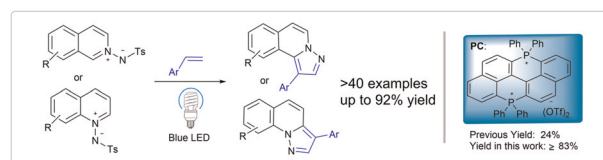


RESEARCH ARTICLES

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Bisphosphonium salt catalyzed [3 + 2] annulation of *N*-tosylimino(iso)quinolinium ylides with aryl olefins under blue LED irradiation

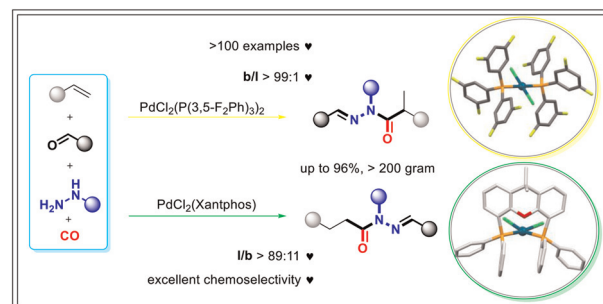
Wang Yu, Lili Wang* and Zheng Duan*



3833

Four-component regio-divergent carbonylative condensations for the sustainable syntheses of acylhydrazones

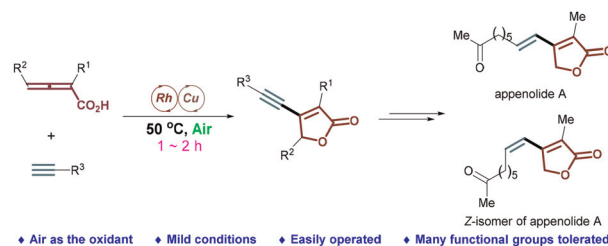
Wenjun Jiang, Mengdi Pang, Yan Cai, Guohui Zhang, Yaru Liu* and Guoying Zhang*



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Aerobic bimetallic catalysis for oxy-alkynylation of allenes

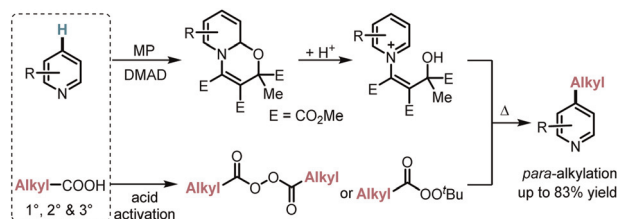
Junjie Fan, Dongjie Zhang, Yaqi Shi, Chunling Fu and Shengming Ma*



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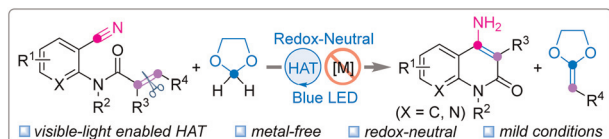
para-Selective radical alkylation of pyridines with diacyl peroxides and peresters

Zhe Wang, Pengwei Xu and Armido Studer*



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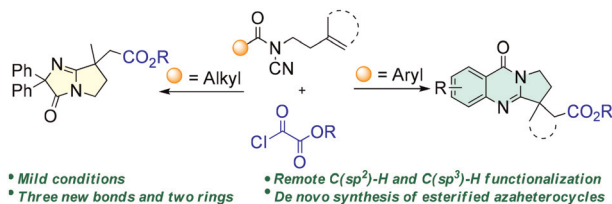
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Merging 2,3-butanedione and *N*-hydroxysuccinimide as visible-light-enabled hydrogen atom transfer catalysts for C=C double bond cleavage of 2-cyanoaryl acrylamides toward the synthesis of 4-amino-2-quinolones

Jun Huang, Fengting Zhu, Jinlian Wen, Jiali Xu, Jing-Mei Yuan* and Wenqiang Chen*

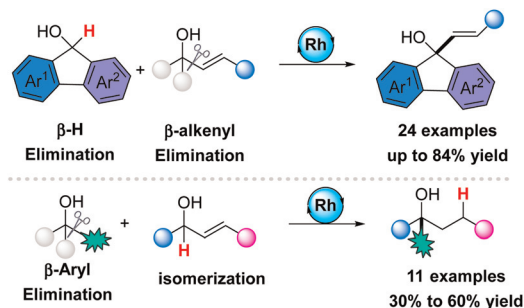
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Alkoxy-carbonylation-triggered nitrile insertion/remote C(sp²)-H and C(sp³)-H functionalization to access esterified quinazolinones and amidines

Shao-Qun Cai, Hui-Xin Xiao, Shi-Cui Fang, Pan-Pan Li, Zhi Yang, Wu Liang, Bin Pan and Fei Du*

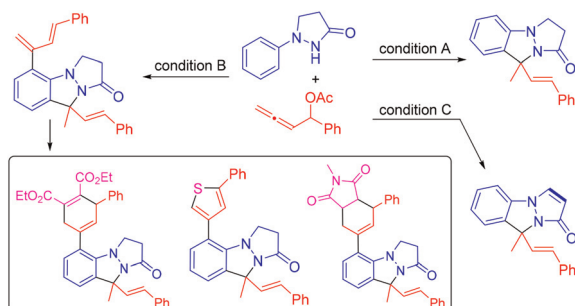
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Alkenylation and arylation of secondary alcohols enabled by productive merger of β-carbon and β-hydrogen elimination *via* an isodesmic reaction

Si-Qi Xiong, Zheng-Qiang Liu, Cheng Liang, Xue-Mei Huang, Xue Zhang, Qing-Hua Li* and Tang-Lin Liu*

3874



Synthesis of structurally diverse pyrazolo[1,2-a]pyrazolones based on the selective C-H bond alkenylation-annulation of 1-arylpyrazolidinones with allenyl acetates

Yongdi Xin, Qianting Zhou, Bin Li, Biao Cheng, Xinying Zhang* and Xuesen Fan*

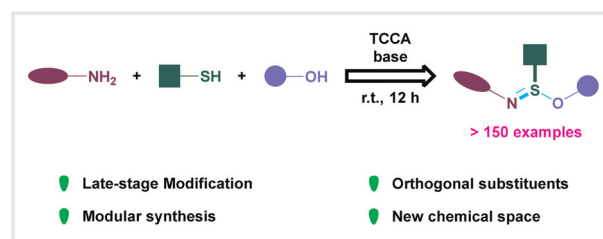


RESEARCH ARTICLES

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Modular construction of sulfinimidate esters: expanding chemical space and enabling late-stage diversification

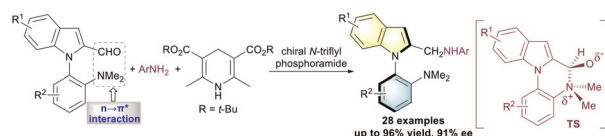
Ruyi Li, Huaqin Wu, Hang Liu, Junjie Bai, Zao Zhang, Muyang Zhu, Pengcheng Lian and Xiaobing Wan*



3894

Dynamic kinetic resolution of atropisomeric *N*-arylindoles via chiral *N*-triflyl phosphoramidate catalyzed asymmetric reductive amination

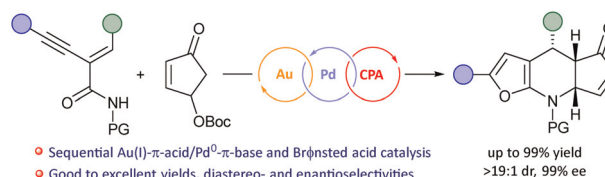
You-Dong Shao,* Dan-Dan Han,* Hong-Xin Jiang, Xin-Yu Zhou, Wei-Kang Wang, Jia-Xi Zhang, Ya-Fei Liu and Dao-Juan Cheng*



3900

Asymmetric construction of enantioenriched furo[2,3-*b*]pyridines through sequential gold, palladium/phosphoric acid catalysis

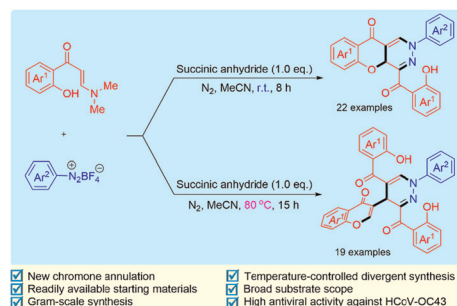
Ke Xie, Guo-Qing Zhang, Bao-Rui Kong, Zhi-Jun Jia, Zhi-Chao Chen,* Gu Zhan,* Wei Du and Ying-Chun Chen*



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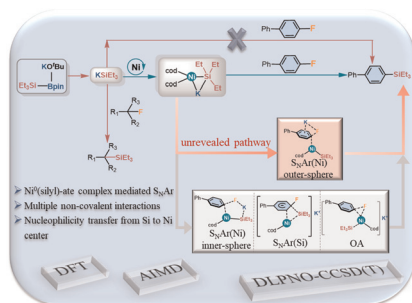
Selective synthesis of pyridazine-fused chromones and 3-pyridazinyl chromones through intermolecular chromone annulation of *o*-hydroxyphenyl-enaminones with aryldiazonium salts

Siyu Song, Zhilai Zhang, Menglin Peng, Xueshan Xia,* Shuwei Dong,* Yongchao Wang* and Fuchao Yu*



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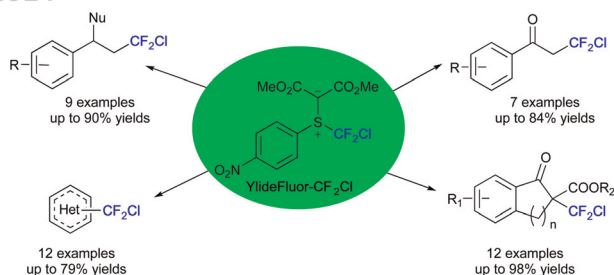
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Mechanistic study on C(sp²)–F bond activation by a Ni⁰(silyl)-ate complex: an outer-sphere pathway via Ni⁰-mediated nucleophilic aromatic substitution

Xiao-Xia You, Jian-Sen Wang, Xiao-Xiao Li, Ling-Qi Meng, Rong-Lin Zhong* and Zhong-Min Su*

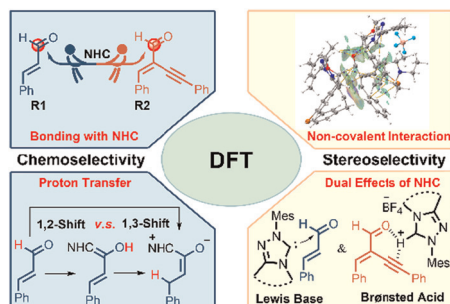
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YlideFluor-CF₂Cl: a shelf-stable, versatile electrophilic or radical chlorodifluoromethylating reagent

Tian Zhang, Yuhan Zhang, Zimeng Li, Botao Wu and Qilong Shen*

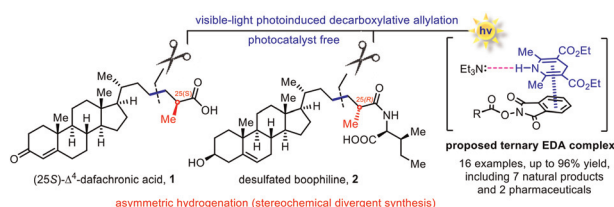
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Unveiling the dual activation effect of NHC-catalyst in an asymmetric reaction system

Wei Wang, Xiaolin Peng, Xiaoyan Yang, Yonggui Robin Chi* and Gefei Hao*

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Concise synthesis of (25S)-Δ⁴-dafachronic acid and desulfated boophiline enabled by photoinduced decarboxylative allylation and asymmetric hydrogenation

Xiaotong Li, Yuxuan Zhang, Zhaoguo Zhang* and Jingjing Wu*

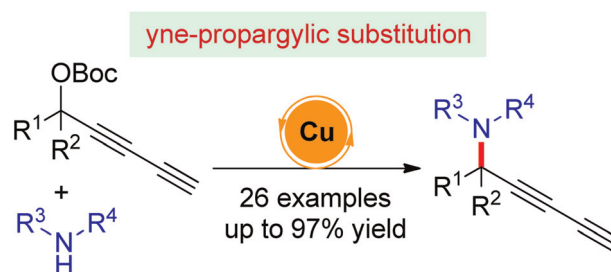


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**Copper-catalyzed amine-mediated
yne-propargylic substitution**

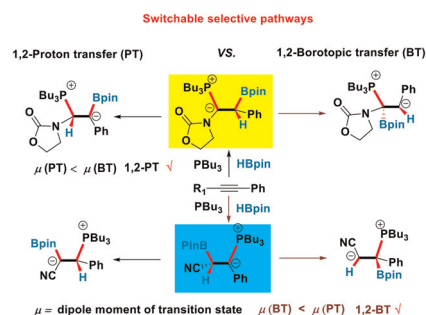
Chunyun Jiang, Defu Luo, Xiangjian Meng, Qinqin Cui,
Lili Zhao, Jinggong Liu,* Shuang Yang and
Xinqiang Fang*



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**A general mechanistic map of organocatalytic
hydroboration of alkynes: polarity controlled
switchable selective pathways**

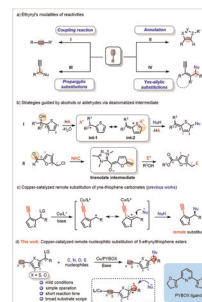
Chunhui Liu,* Peilin Han, Xiaoxiao Hou, Suxiang Ge and
Donghui Wei*



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**Copper-catalyzed remote nucleophilic substitution
of 5-ethynylthiophene esters**

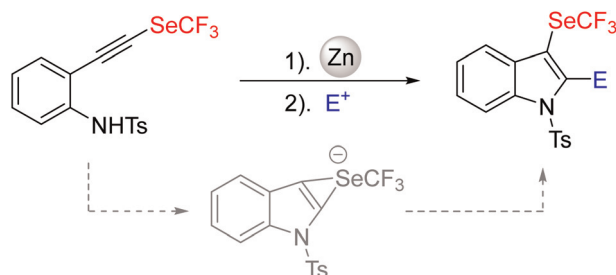
Xiang Li, Hao-Dong Qian, Xinying Qiao, Chunhui Zhao,
Yuepeng Lu, Cuiju Zhu* and Hao Xu*



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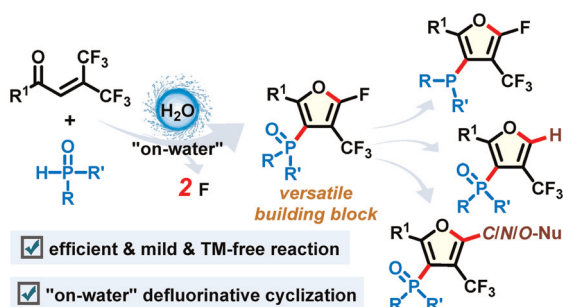
**Synthesis of 2-substituted
3-trifluoromethylselenoindoles via a SeCF₃
migration reaction**

Yangjie Huang, Zipeng Zhang, Hui Wang and
Zhiqiang Weng*



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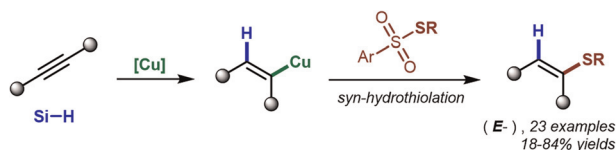
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"On-water" defluorinative cyclization of trifluoromethyl enones with phosphine oxides: synthesis of polysubstituted furans

Man-Hang Feng, Shu-Ji Gao, Xiao-Ying Li, Mengtao Ma, Zhi-Liang Shen* and Xue-Qiang Chu*

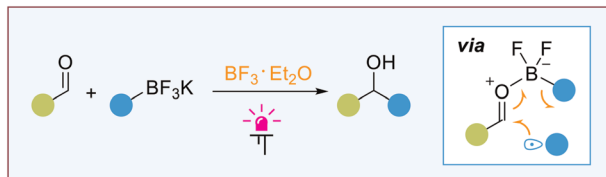
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Synthesis of (E)-vinyl sulfides via copper-catalyzed hydrothiolation of internal alkynes with thiosulfonates and silanes

Minghui Gao, Jingyu Li, Long Chen, Zhen Qin, Weijie Wang, Wei Dong, Mingyan Liu, XiuLian Zhang* and Chuanzhou Tao*

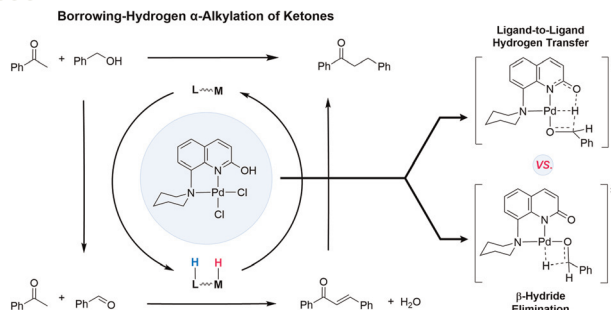
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Photoinduced radical alkylation of aldehydes with potassium alkyltrifluoroborates

Kirill A. Zhilyaev, Mikhail O. Zubkov, Mikhail D. Kosobokov, Vitalij V. Levin and Alexander D. Dilman*

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Mechanistic insight into the borrowing hydrogen reaction catalysed by a Pd MLC catalyst: unveiling the ligand-to-ligand hydrogen transfer pathway

Lan-Yu Li and Cheng Hou*

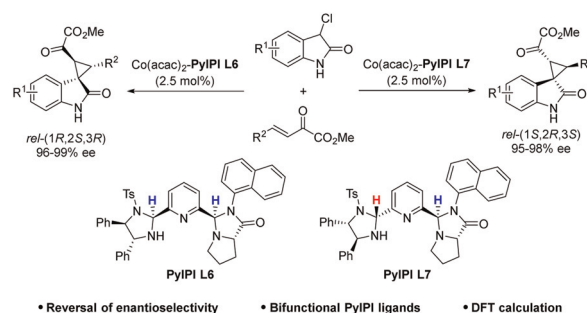


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Reversal of enantioselectivity in cobalt(II)-catalyzed asymmetric Michael–alkylation reactions: synthesis of spiro-cyclopropane-oxindoles

Jun-Hao Zhang, Wei-Jing Yang, Ning Li, Yin Tian,*
Ming-Sheng Xie* and Hai-Ming Guo*

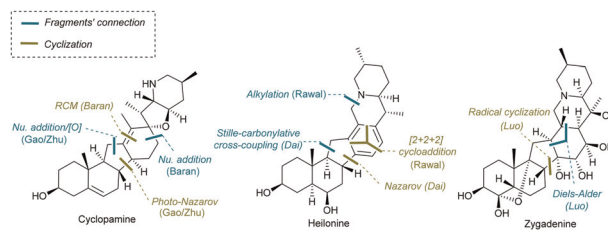


HIGHLIGHT

4014

Strategic convergent synthesis *en route* to *Veratrum* steroidal alkaloids

Zhuo Wang

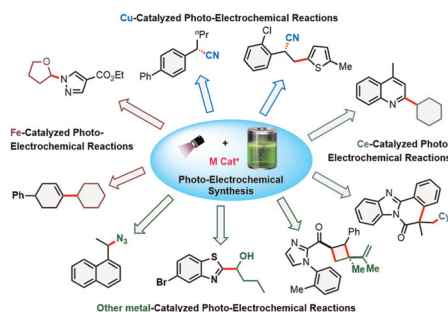


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Unleashing the potentiality of metals: synergistic catalysis with light and electricity

Zhengjia Shen, Jia-Lin Tu* and Binbin Huang*



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Precision single-atom editing: new frontiers in nitrogen insertion and substitution for the generation of N-heterocycles

Xue Li, Jia Xu and Zhi-Gang Xu*

