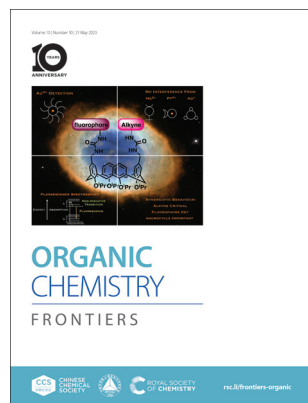


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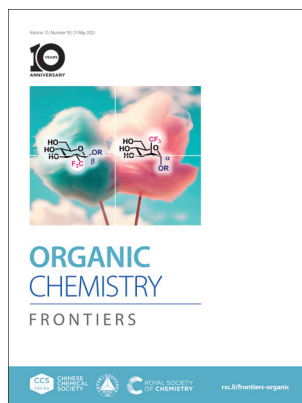
ISSN 2052-4129 CODEN OCFRA8 10(10) 2387-2606 (2023)



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See Sean P. Bew *et al.*, pp. 2397–2404.

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#### Inside cover

See Omar Boutureira *et al.*, pp. 2405–2415.

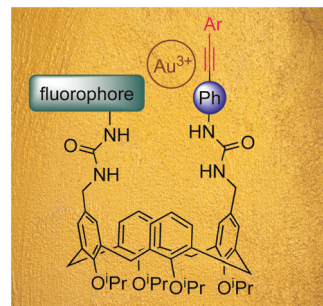
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### RESEARCH ARTICLES

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#### Upper-rim functionalised calix[4]arenes for chemoselective Au<sup>3+</sup> detection

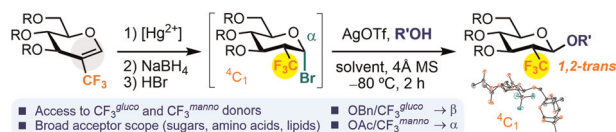
Sean P. Bew,\* Sunil V. Sharma and William H. Gardiner



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#### Stereoselective access to 2-deoxy-2-trifluoromethyl sugar mimetics by trifluoromethyl-directed 1,2-*trans* glycosylation

Jordi Mestre, Isabel Bascuas, Miguel Bernús, Sergio Castellón and Omar Boutureira\*



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## RESEARCH ARTICLES

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Regio- and stereoselective oxidative conversion of alkynes to sulfenylated  $\alpha,\beta$ -unsaturated carbonyls

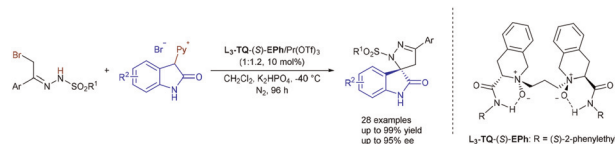
Meizhong Tang, Ye-Xin Wang, Shenlin Huang\* and Lan-Gui Xie\*



2422

## Catalytic asymmetric [4 + 1] cycloaddition to synthesize chiral pyrazoline-spirooxindoles

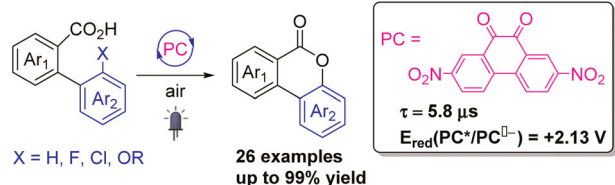
Kaiqi Hu, Dong Zhang, Siyuan Wang, Lili Lin\* and Xiaoming Feng\*



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## 2,7-Dinitrophenanthrene-9,10-dione as a photosensitizer for the dehydrogenative lactonization of 2-arylbenzoic acids

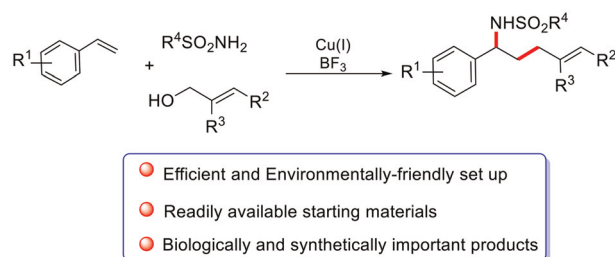
Gaochang Shi, Yi Wang, Min He, Xiaoqiang Yu\* and Ming Bao



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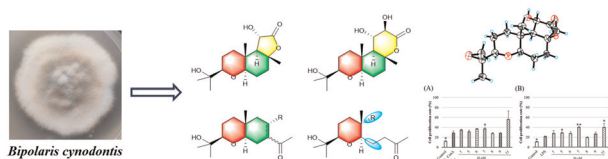
Efficient and environmentally-friendly access to 4,5-unsaturated sulfonamides through ligand-free copper-BF<sub>3</sub>-catalyzed three-component alkene carbo-sulfonamidation

Waqar Ahmed,\* Aiman Sadaf and Pil Seok Chae\*



## RESEARCH ARTICLES

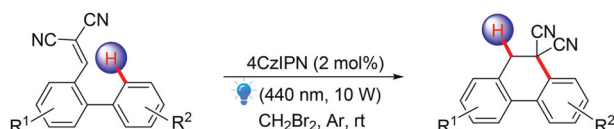
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### Bipodonines A–J, a new class of natural sesquiterpenes with a 2-(tetrahydro-2*H*-pyran-2-yl)propan-2-ol system from the fungus *Bipolaris cynodontis* DJWT-01

Yan Shu, Shi-Yu Feng, Sheng-Qi Zhang, Xun Tian, Yun-Li Zhao, Hua-Juan Yang, Jia-Xin Wang, Gui-Ling He, Hao Zhou, Jia-Peng Wang,\* Le Cai\* and Zhong-Tao Ding\*

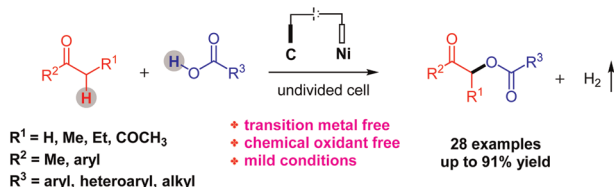
2453



### Visible-light-induced cyclization of 2-alkenyl-1,1'-biphenyls

Kang Yan, Xingyu Yang, Jiangang Gao,\* Ze Zhang and Pinhua Li\*

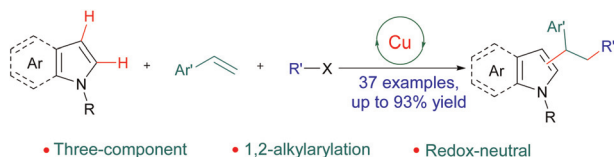
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### Electrochemical oxidative C(sp<sup>3</sup>)-H/O-H cross-coupling for the synthesis of $\alpha$ -acyloxyketones

Jiwei Wu, Haowen Shi, Jianguo Liu, Ruiyou Wang, Jie Zhou, Xiao-Lan Xu\* and Hua-Jian Xu\*

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### Three-component redox-neutral 1,2-alkylarylation of vinylarenes involving C–H functionalization enabled by copper catalysis

Dongyu Yang and Chengming Wang\*

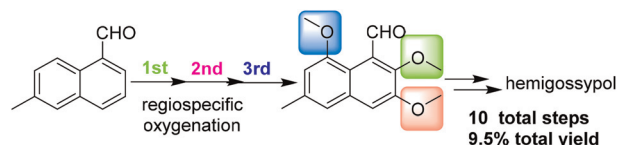


## RESEARCH ARTICLES

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**Concise synthesis of hemigossypol via sequential palladium-catalyzed regioselective oxygenations of the naphthalene ring**

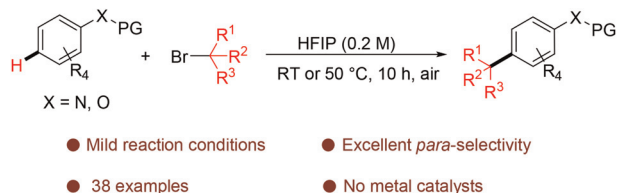
Jing Jiang, Yujian Mao, Yaoyu Lin, Jiayi Shen and Yinan Zhang\*



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**HFIP-promoted *para*-selective alkylation of anilines and phenols with tertiary alkyl bromides**

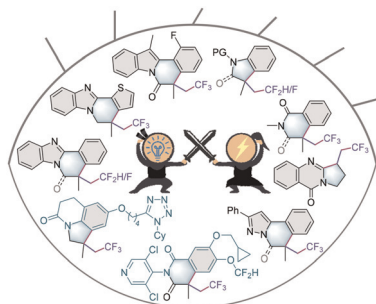
Pengcheng Huang, Xipeng Jiang, Du Gao, Cheng Wang, Da-Qing Shi\* and Yingsheng Zhao\*



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**Electrophotocatalytic tri- or difluoromethylative cyclization of alkenes**

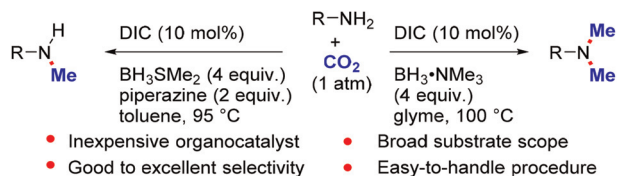
Danna Chen, Xuege Yang, Dongyin Wang, Yanni Li, Lou Shi\* and Deqiang Liang\*



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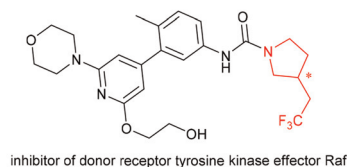
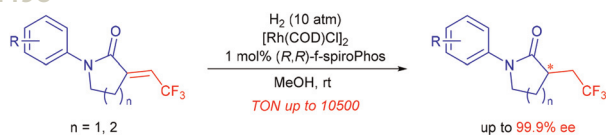
**DIC–borane-catalyzed selective methylation of primary amines with CO<sub>2</sub> using boranes as reducing agents**

He Zhang, Yanmeng Zhang and Ke Gao\*



## RESEARCH ARTICLES

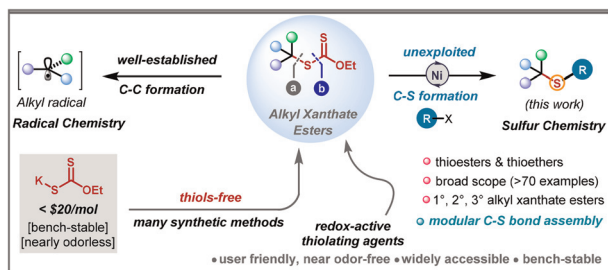
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### Enantioselective synthesis of chiral 2,2,2-trifluoroethyl lactams *via* asymmetric hydrogenation

Chaochao Xie, Qianling Guo, Zhihong Yang, Guofu Zi, Yuping Huang\* and Guohua Hou\*

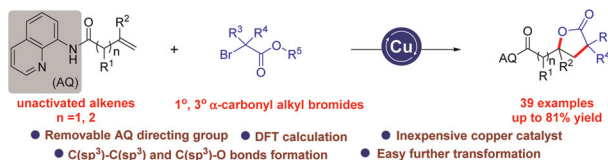
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### Redox-active alkyl xanthate esters enable practical C–S cross-coupling by nickel catalysis

Lanzhu Tai, Li Chen, Yuxuan Shi and Liang-An Chen\*

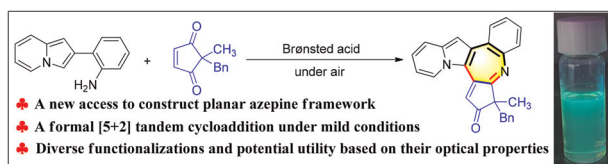
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### Copper-catalyzed intermolecular carboesterification of unactivated aliphatic alkenes with $\alpha$ -carbonyl alkyl bromides *via* a SET process: efficient synthesis of $\gamma$ -lactones

Cancan Feng, Youcai Zhu, Zhen Liu, Fan Yang\* and Yangjie Wu\*

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### Formal [5 + 2] cycloaddition of *ortho*-indolizinylnilines with cyclopentenediones: access to planar indolizine-fused azepines

Qijian Ni,\* Lirong Zhang, Zhiming Zhu and Xiaoxiao Song\*

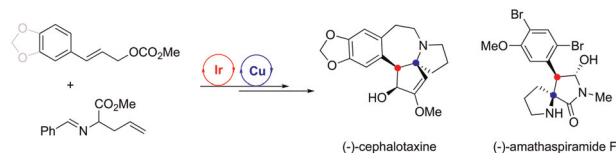


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### Enantioselective total syntheses of (–)-cephalotaxine and (–)-amathaspiramide F through a key Ir/Cu dual catalysis

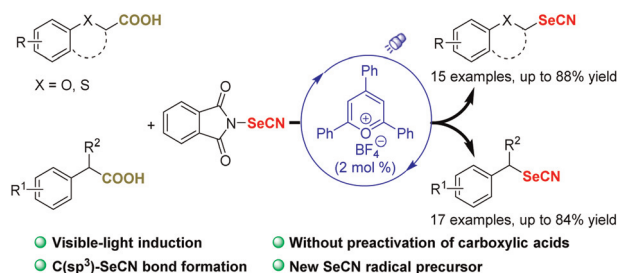
Peng-Zhen Sheng, Lu-Lu Li, Hongbin Zhang, Kun Wei\* and Yu-Rong Yang\*



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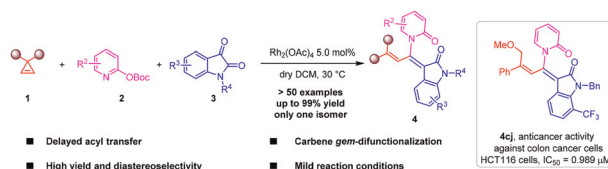
Yong Gao, Ruirui Hua, Hongquan Yin and Fu-Xue Chen\*



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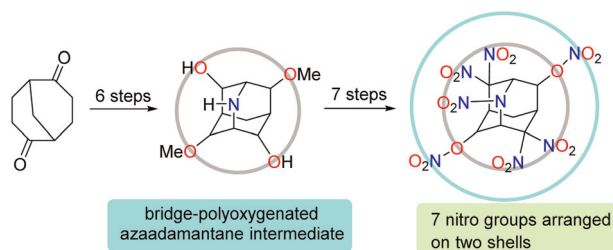
Mengchu Zhang, Gengxin Liu, Tianyuan Zhang, Kemiao Hong, Xiangji Yang, Huang Qiu and Wenhao Hu\*



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### Introduction of seven nitro groups on the 2-azaadamantane scaffold via a two-shell arrangement strategy

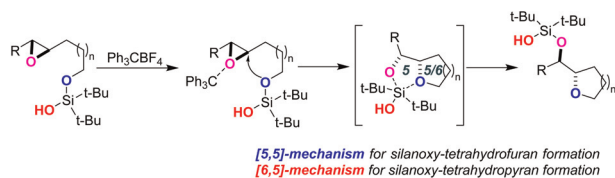
Qi Zhou, Rongbin Cai, Huan Li, Yunzhi Liu, Bing Li, Tianjiao Hou, Long Zhu, Guixiang Wang, Yu Zhang\* and Jun Luo\*



## RESEARCH ARTICLES

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Perfectly Stereospecific Rearrangements of Silanol Epoxides

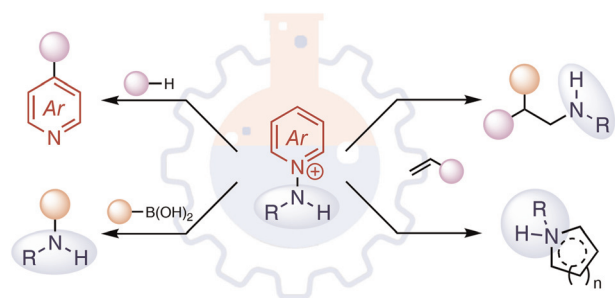


## Dancing silanols: stereospecific rearrangements of silanol epoxides into silanoxo-tetrahydrofurans and silanoxo-tetrahydropyrans

Harshit Joshi, Annu Anna Thomas, Joel T. Mague and Shyam Sathyamoorthi\*

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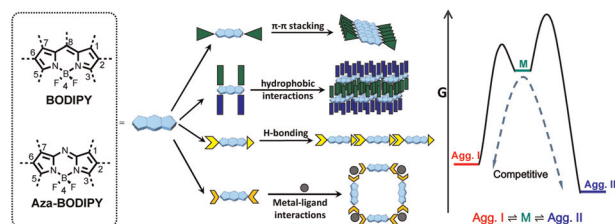
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## N-Amino pyridinium salts in organic synthesis

Pritam Roychowdhury, Samya Samanta, Hao Tan and David C. Powers\*

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## Functional supramolecular aggregates based on BODIPY and aza-BODIPY dyes: control over the pathway complexity

Zhijian Chen\* and Zhaoying Chen

## CORRECTION

2603

## Correction: Copper-catalysed synthesis of trifluoromethyl allenes via fluoro-carboalkynylation of alkenes

Mengning Wang, Qiuzhu Wang, Mengtao Ma and Binlin Zhao\*

