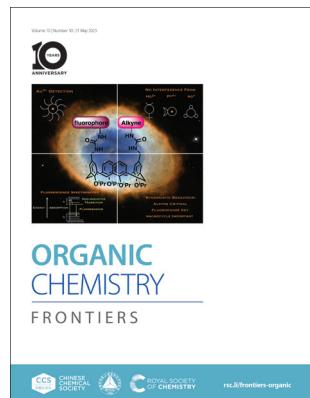


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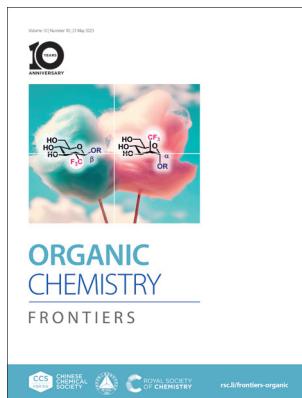
ISSN 2052-4129 CODEN OCFRA8 10(10) 2387–2606 (2023)



Cover

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

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

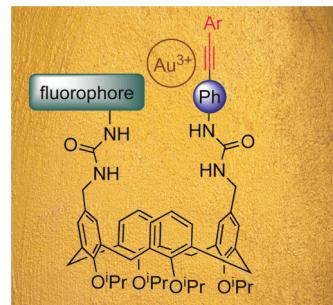
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Upper-rim functionalised calix[4]arenes for chemoselective Au^{3+} detection

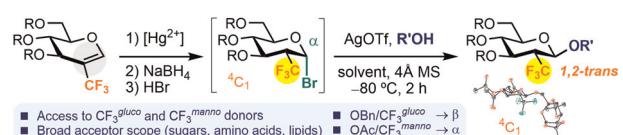
Sean P. Bew,* Sunil V. Sharma and William H. Gardiner



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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 Castillón and Omar Boutureira*



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Regio- and stereoselective oxidative conversion of alkynes to sulfonylated α,β -unsaturated carbonyls

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



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

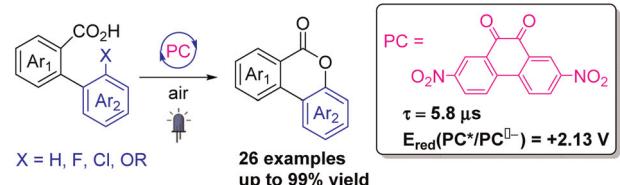
Kaiqi Hu, Dong Zhang, Siyuan Wang, Lili Lin* and Xiaoming Feng*



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

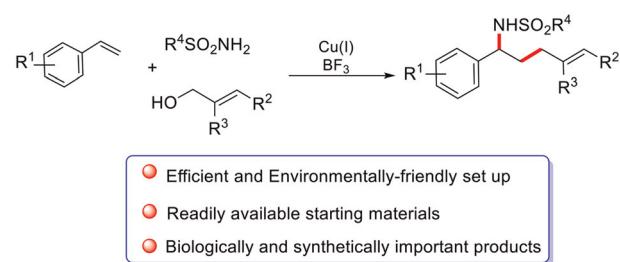
Gaochang Shi, Yi Wang, Min He, Xiaoqiang Yu* and Ming Bao



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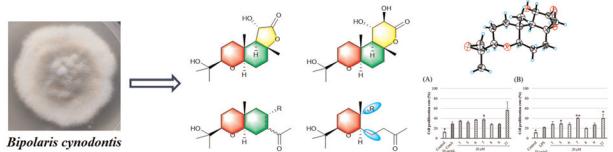
Efficient and environmentally-friendly access to 4,5-unsaturated sulfonamides through ligand-free copper-BF₃-catalyzed three-component alkene carbo-sulfonamidation

Waqar Ahmed,* Aiman Sadaf and Pil Seok Chae*



RESEARCH ARTICLES

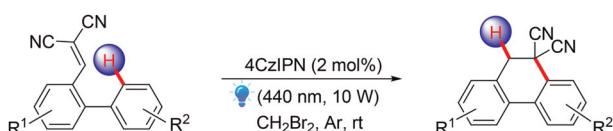
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Bipodonines A–J, a new class of natural sesquiterpenes with a 2-(tetrahydro-2H-pyran-2-yl)propan-2-ol system from the fungus *Bipolaris cynodontis* DJWT-01

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*

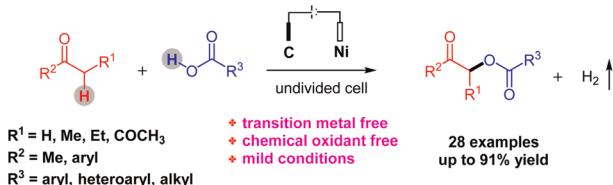
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Visible-light-induced cyclization of 2-alkenyl-1,1'-biphenyls

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

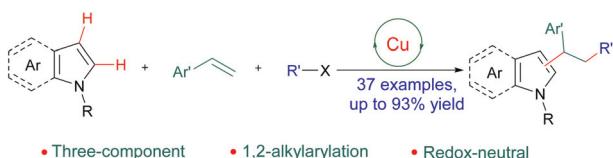
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Electrochemical oxidative C(sp³)-H/O-H cross-coupling for the synthesis of α -acyloxyketones

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-alkylation of vinylarenes involving C–H functionalization enabled by copper catalysis

Dongyu Yang and Chengming Wang*

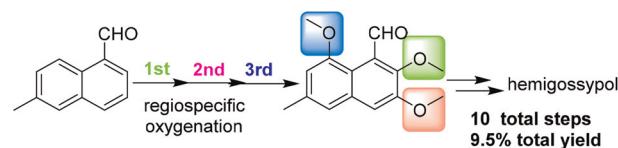


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Concise synthesis of hemigossypol via sequential palladium-catalyzed regiospecific oxygenations of the naphthalene ring

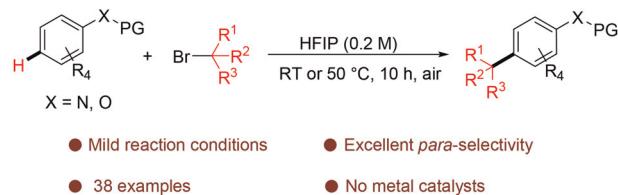
Jing Jiang, Yujian Mao, Yaoyu Lin, Jiayi Shen and Yinan Zhang*



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

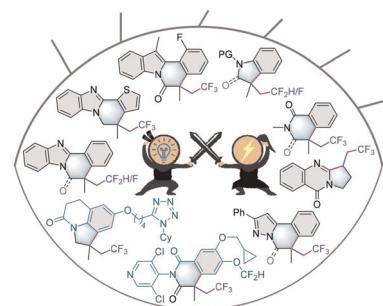
Pengcheng Huang, Xipeng Jiang, Du Gao, Cheng Wang, Da-Qing Shi* and Yingsheng Zhao*



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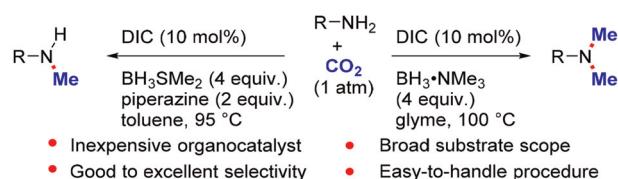
Danna Chen, Xuege Yang, Dongyin Wang, Yanni Li, Lou Shi* and Deqiang Liang*



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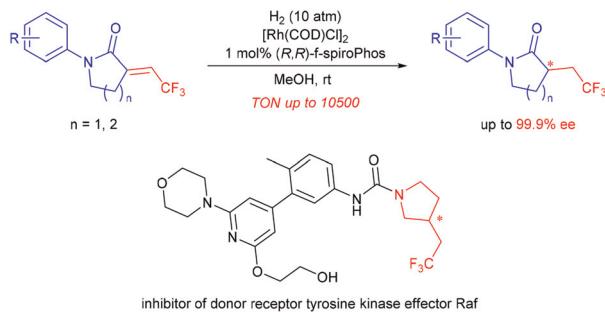
DIC–borane-catalyzed selective methylation of primary amines with CO₂ using boranes as reducing agents

He Zhang, Yanmeng Zhang and Ke Gao*



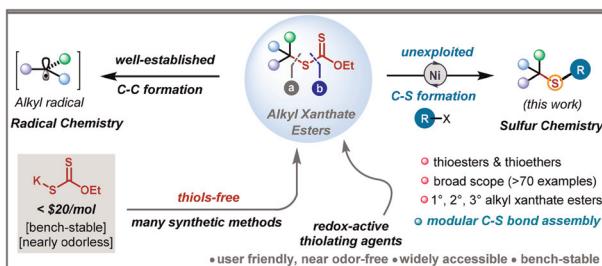
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Enantioselective synthesis of chiral 2,2,2-trifluoroethyl lactams *via* asymmetric hydrogenation

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

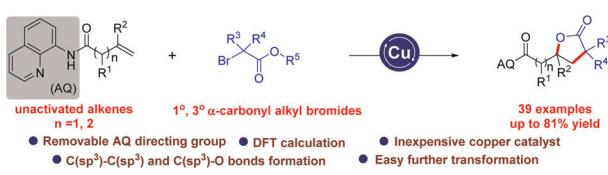
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Redox-active alkyl xanthate esters enable practical C-S cross-coupling by nickel catalysis

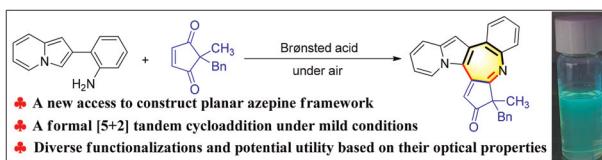
Lanzhu Tai, Li Chen, Yuxuan Shi and Liang-An Chen*

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Can-can Feng, Youcai Zhu, Zhen Liu, Fan Yang* and Yangjie Wu*

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

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

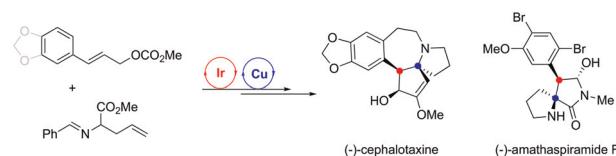


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Enantioselective total syntheses of (–)-cephalotaxine and (–)-amathaspiramide F through a key Ir/Cu dual catalysis

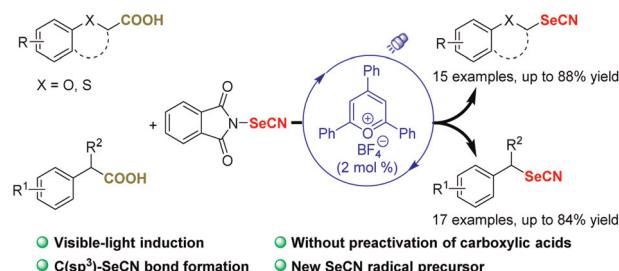
Peng-Zhen Sheng, Lu-Lu Li, Hongbin Zhang, Kun Wei* and Yu-Rong Yang*



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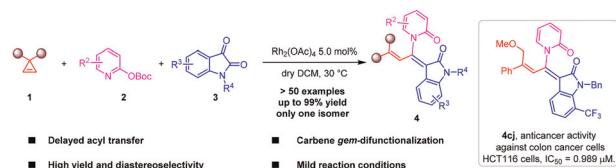
Yong Gao, Ruirui Hua, Hongquan Yin and Fu-Xue Chen*



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Regio- and diastereoselective construction of conjugate oxindole derivatives enabled by delayed acyl transfer of pyridinium ylides

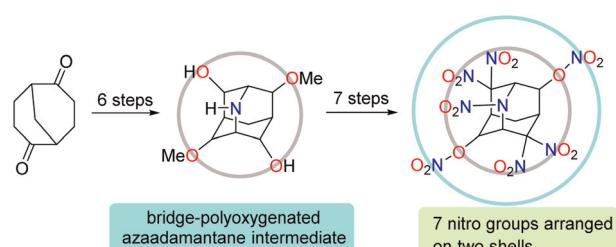
Mengchu Zhang, Gengxin Liu, Tianyuan Zhang, Kemiao Hong, Xiangji Yang, Huang Qiu and Wenhao Hu*



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

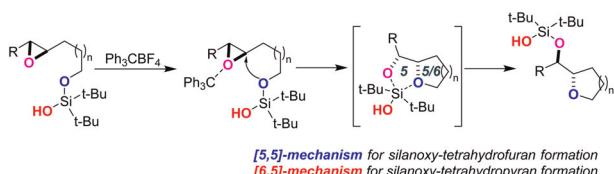
Qi Zhou, Rongbin Cai, Huan Li, Yunzhi Liu, Bing Li, Tianjiao Hou, Long Zhu, Guixiang Wang, Yu Zhang* and Jun Luo*



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Perfectly Stereospecific Rearrangements of Silanol Epoxides

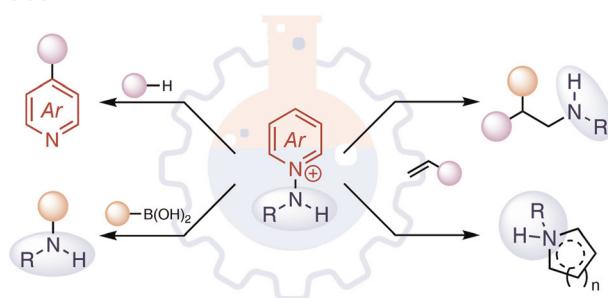


Dancing silanols: stereospecific rearrangements of silanol epoxides into silanoxo-tetrahydrofurans and silanoxo-tetrahydropyrans

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

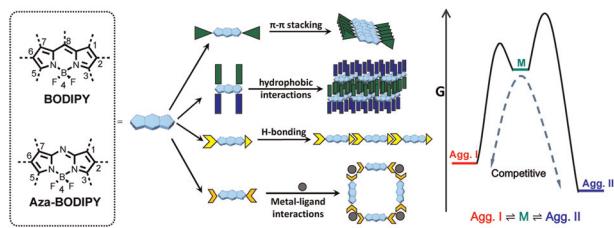
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*N*-Amino pyridinium salts in organic synthesis

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*

