



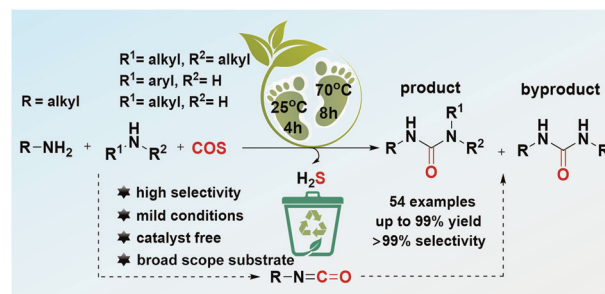
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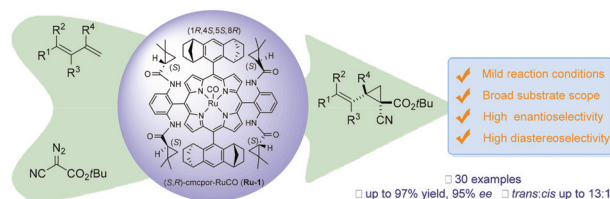
387

Siliu Cheng, Yunzhe Du, Huijie Jia,* Shuyi Li, Yian Feng
and Ning Zhu*



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Hua-Hua Wang, Si-Qi Zhong, Hao-Chong Tan,
Yungen Liu and Chi-Ming Che*



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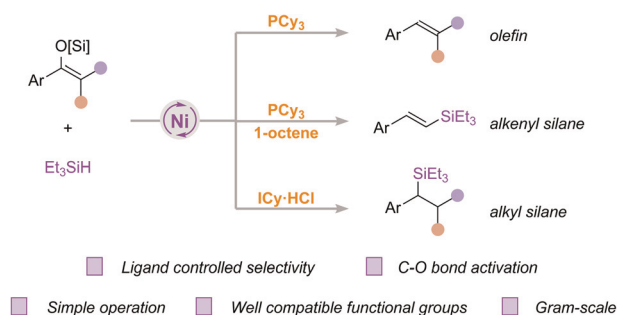
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Ligand -controlled nickel-catalyzed C–O bond cleavage of silyl enol ether for the divergent synthesis of aryl alkenes and silicon-containing product

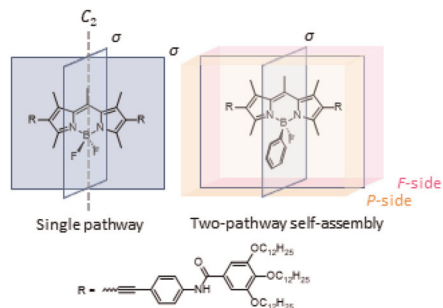
Shunqin Chang, Yueping Lin, Pei Gu, Changhui Lu, Minyan Wang* and Liangbin Huang*



414

Impact of boron desymmetrization on supramolecular polymerization of BODIPY dyes

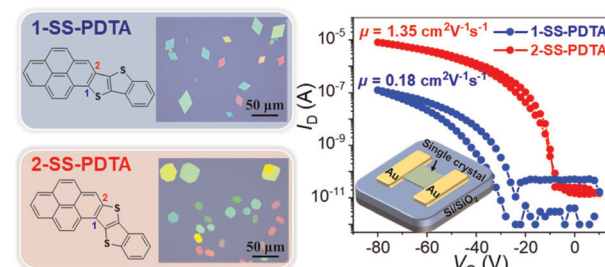
Tobias B. Tischer, Zulema Fernández, Lorenz Borsdorf, Constantin G. Daniliuc, Shigehiro Yamaguchi, Soichiro Ogi* and Gustavo Fernández*



422

π -Extended regioisomeric dithienoacene-fused pyrenes: structures, properties, and application in field-effect transistors

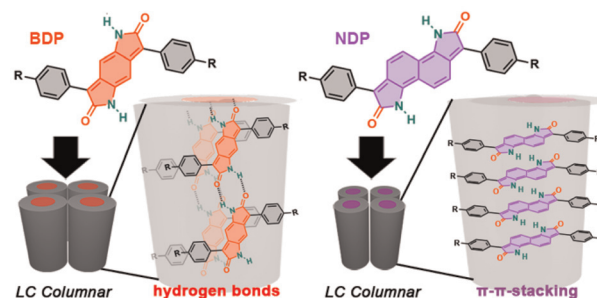
Bin Lu, Shiqian Zhang, Dong Liu, Wendong Jin, Dalin Li, Zhiqiang Liu* and Tao He*



430

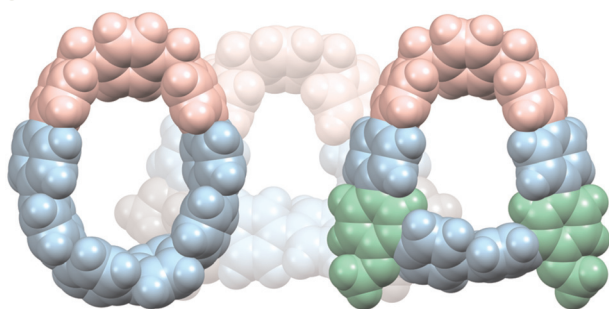
Influence of hydrogen bonds and π - π stacking on the self-assembly of aryldipyrrolidones

Pedro Ximenis, Llorenç Rubert, Heike M. A. Ehmann and Bartolome Sobrats*



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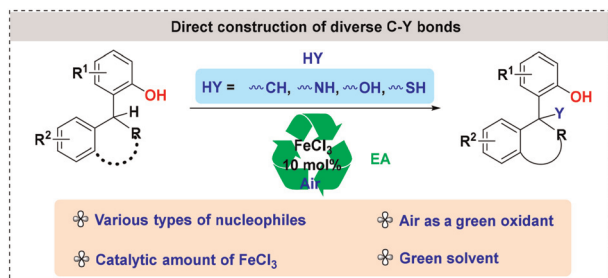
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Viologen–cycloparaphenylene hybrids: luminescent molecular nanocarbons for anion binding and specific vapor sorption

Rafał Frydrych, Kabali Senthilkumar, Katarzyna Ślusarek, Mateusz Waliczek, Wojciech Bury, Piotr J. Chmielewski, Joanna Cybińska and Marcin Stępień*

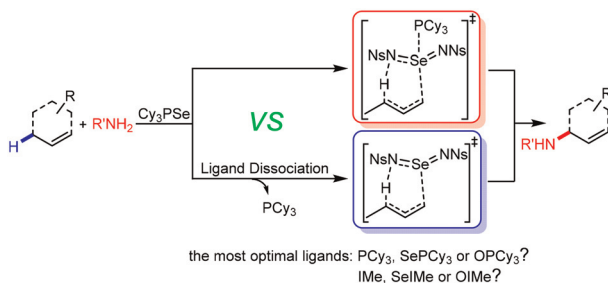
448



Modular dehydrogenative cross-nucleophile coupling for direct construction of tetrasubstituted carbons

Peng Wang, Qiang Wang, Meng Wang, Liang Wang, Lubin Xu, Xiong-Li Liu, Fangzhi Hu* and Shuai-Shuai Li*

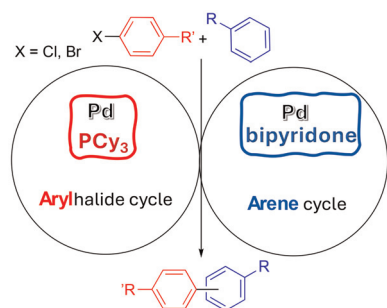
456



Mechanism and origins of regioselectivity of selenium-catalyzed allylic amination reactions

Xiaoxiao Hu, Dengmengfei Xiao, Yu Chen, Yi Lu, Zhihan Zhang and Peiyuan Yu*

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Metal–ligand cooperation and synergistic palladium catalysis for the dual ligand system [2,2'-bipyridin]-6(1H)-one/PCy₃: milder conditions for the undirected C–H arylation of arenes

Cintya Pinilla, Mario García-Zarza and Ana C. Albéniz*

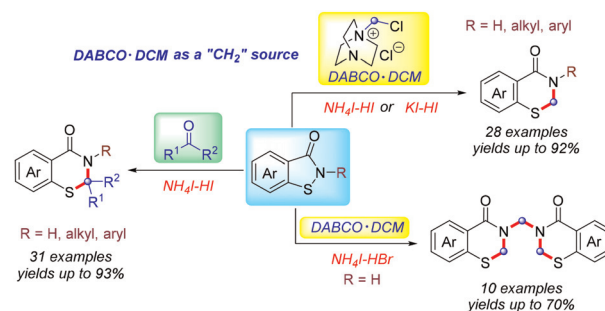


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Transition-metal-free skeletal editing of benzoisothiazol-3-ones to 2,3-dihydrobenzothiazin-4-ones via single-carbon insertion

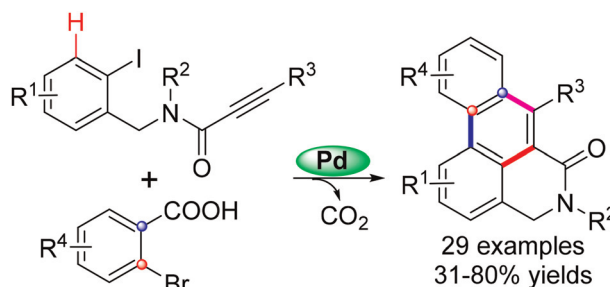
Ke Yang,* Qin Li, Yanqi Luo, Dan Yuan, Chunjian Qi, Zhengyi Li, Bijin Li* and Xiaoqiang Sun*



485

Palladium-catalyzed cascade decarboxylative cyclization of alkyne-tethered aryl iodides with o-bromobenzoic acids for the synthesis of fused isoquinolinones

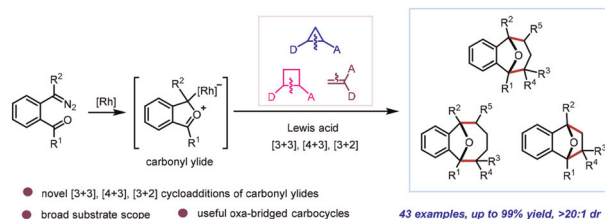
Zhaolin Quan, Yubo Duan and Zhengkai Chen*



491

Synthesis of oxa-bridged carbocycles via rhodium/Lewis acid catalyzed [3 + 3] and [4 + 3] cycloadditions of carbonyl ylides with donor-acceptor strained carbocycles

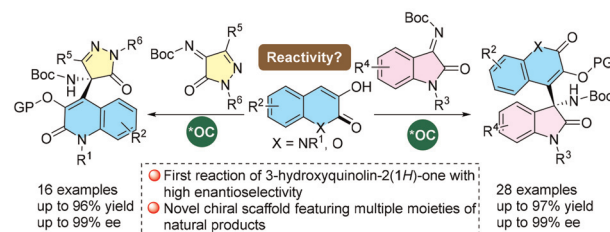
Jiale Li, Lingfei Wang, Pei-Nian Liu and Xingguang Li*



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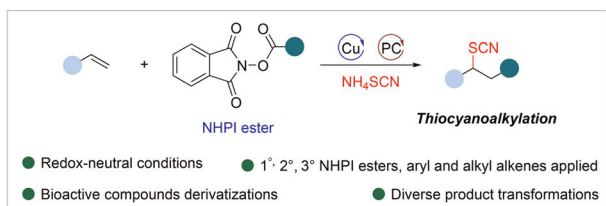
Enantioselective addition of 3-hydroxyquinolin-2(1H)-one to isatin and pyrazole-4,5-dione derived ketimines

Yue Wei, Guishun Bai, Jiamin Wu, Yi Hua, Tao Zhang, Congyong Yue, Hong Wang and Xiaoze Bao*



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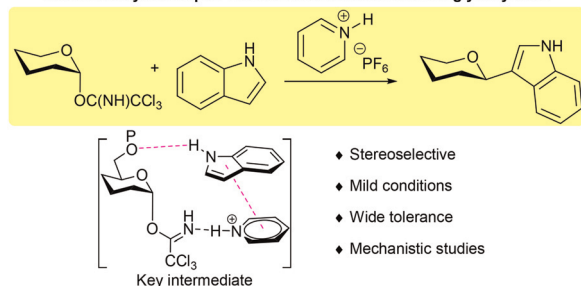
503

**Thiocynoalkylation of alkenes via dual photoredox and copper catalysis**

Xu Wang, Bi-Yin Xiao, Qi-Xuan Jiang, Wei Huang and Feng-Hua Zhang*

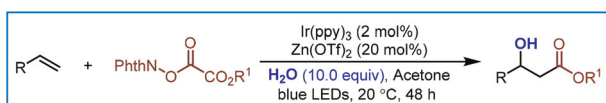
509

Donor-catalyst-acceptor interaction enables efficient C-glycosylation

**A stereoselective organocatalyzed C-glycosylation of indole: implications of acceptor–catalyst–donor interactions**

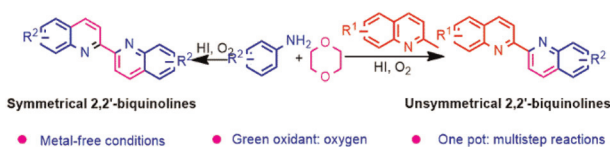
Lihuang Xie, Wenchao Liu, Zhenbo Guo, Qinbo Jiao, Xiaomin Shen, Tianfei Liu and Chunfa Xu*

516

**A general photocatalytic strategy for the synthesis of β -hydroxy acid derivatives from alkenes**

Meiling Chen, Jingjing Yang, Wei Xiao,* Jian-Qiang Chen* and Jie Wu*

522

**One-pot synthesis of 2,2'-biquinolines from aromatic amines using oxygen as an oxidant under metal-free conditions**

Yunfeng Liao,* Hualan Gao, Hongrui Qi, Jia Chen, Chang Liu, Yanjun Xie, Weijie Zhang, Jiyong Deng, Bing Yi* and Guo-Jun Deng*

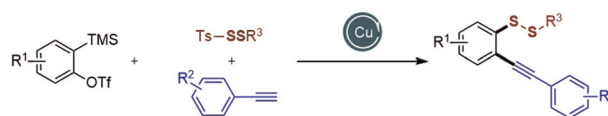


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Copper-catalyzed alkynyldisulfuration of arynes: efficient access to unsymmetrical disulfides

Shuai Huang,* Yumin Zhang, Yuekai Li, Chen-Ho Tung, Xin Li* and Zhenghu Xu*

**Features:**

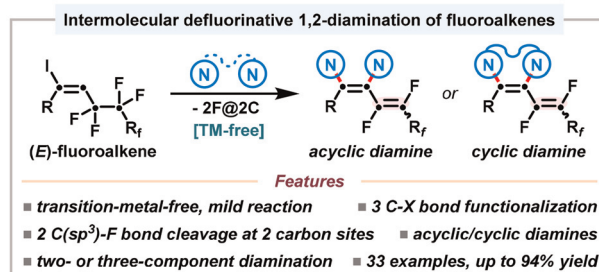
- Electrophilic disulfuration of aryne
- Modular formation of one C-C and one C-SS bonds in one-pot

23 examples,
up to 85% yield

536

Intermolecular defluorinative 1,2-diamination of fluoroalkenyl iodides with sulfonamides: synthesis of acyclic and cyclic fluorinated 1,2-enediamines

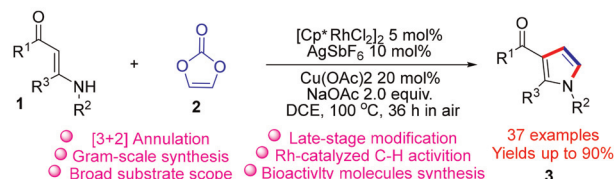
Xue-Qiang Chu,* Yu-Lan Chen, Chi Zhang, Xue-Ying Huang, Yu Ding,* Danhua Ge* and Zhi-Liang Shen*



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Rhodium-catalyzed synthesis of *N*-substituted 3-acylpyrroles from enaminones and vinylene carbonate

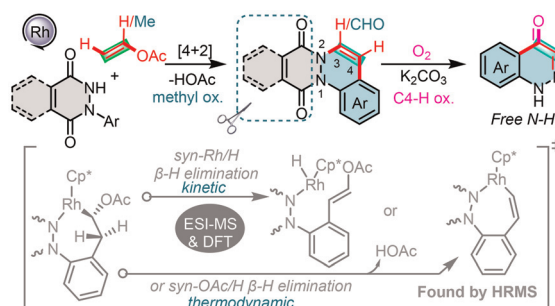
Jian-Bo Ma, Yi-Mai Yin, Xing-Mei Hu, Bi-Na Shao, Kun Huang, Qing-Sheng Zhao* and Sheng-Jiao Yan*



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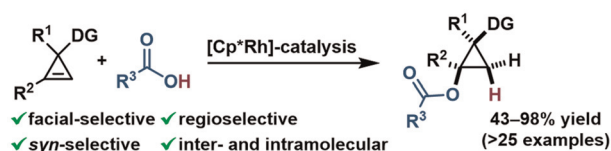
Mechanistic insights into rhodium-catalyzed C-H activation and annulation using vinyl acetate to access cinnolines and cinnolin-4(1*H*)-ones

Yubin Wang, Yiling Zeng, Ya-Nan Tian, Zheng Liu, Jinhua Wang,* Shuyou Chen* and Shiqing Li*



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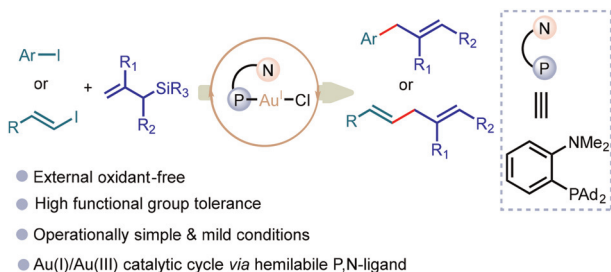
561



Rh-Catalysed hydroacyloxylation of cyclopropenes: regio- and diastereoselective synthesis of acyloxycyclopropanes

Ángel Manu Martínez,* Gema Domínguez, Inés Alonso, Marta Paláin and Javier Pérez-Castells*

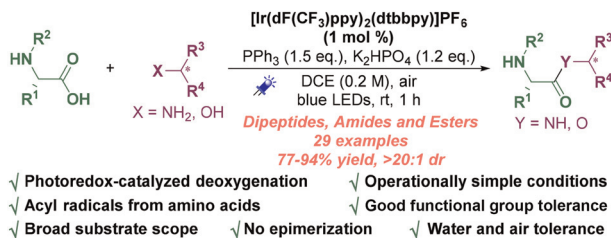
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Hemilabile P,N-ligand-assisted gold catalyzed Hiyama allylation to access allylarenes and 1,4-diene derivatives

Yuanhao He, Wanping Ma, Yu Zhong, Yanfei Hu, Mingou Li, Fen Zhao,* Zhonghua Xia* and Baomin Fan*

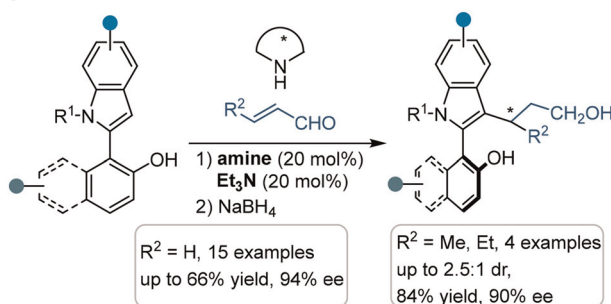
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A visible light-mediated deoxygenation protocol for the synthesis of dipeptides, amides and esters without racemization

Ji-Wei Ren,* Qing-Long Tan,* Jian Zuo, Yan-Fei Miao, Pan Zhang, Jing-Hui Sun and Yin-Feng Han*

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A catalytic atroposelective Friedel–Crafts alkylation to access axially chiral C2-arylindoles via dynamic kinetic resolutions

Jiang Deng, Wei Li, Chenhao Zhou, Zhiming Li, Haibo Zhou, Junyuan Yan, Zhouyu Wang,* Shan Qian and Xiao-Long He*

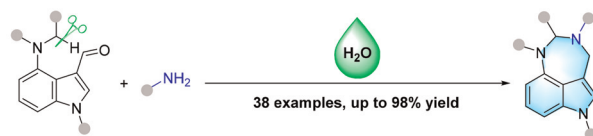


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Water-enabled α -C(sp³)-H amination via [1,6]-hydride transfer: green access to diazepino[6,5,4-cd]indoles

Yao-Bin Shen,* Xiao-Lin Wang, Qian-Hao Zhuang, Xiao-De An, Bin Qiu, Houchen Wang, Tiesheng Shi and Jian Xiao*

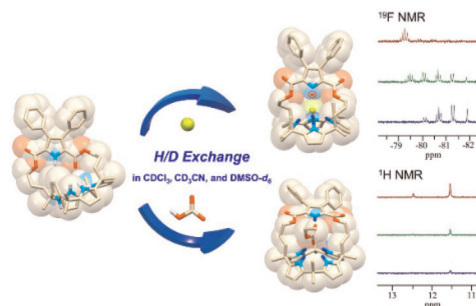


- water as a green reaction medium
- redox-neutral α -C(sp³)-H amination
- catalyst- and additive-free one-step construction of diazepino[6,5,4-cd]indole
- high atom-/step-economy
- simple operation
- good functional group tolerance

599

Deuterium exchange of pyrrolic NH protons accelerated by fluoride and bicarbonate in CDCl₃, CD₃CN, and DMSO-d₆

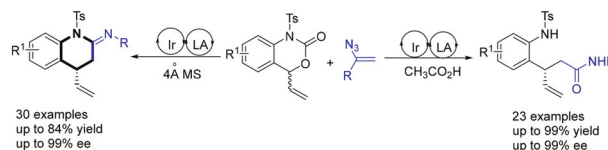
Nam Jung Heo, Ju Hyun Oh, Jonathan L. Sessler* and Sung Kuk Kim*



607

Iridium-catalyzed highly enantioselective and chemodivergent coupling reaction of vinyl azides and vinyl benzoxazinones

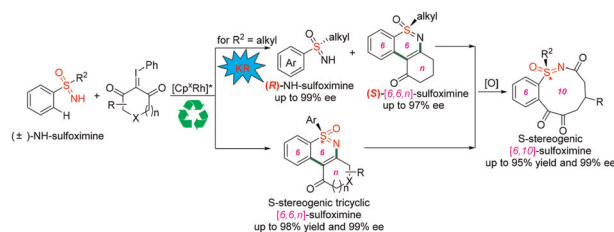
Deli Gan, Sumei Zhao, Min Yang, Minghui Xu,* Bin Chen, Hai-Liang Ni, Wenhao Yu, Bi-Qin Wang, Ping Hu* and Peng Cao*



614

Chiral Cp^xRh^{III}-catalyzed enantioselective C-H annulation to access fused tricyclic sulfur-stereogenic and medium-sized aza-heterocycles

Yuping Xiong, Muhammad Suleman, Shujuan Xu and Zhiyuan Chen*



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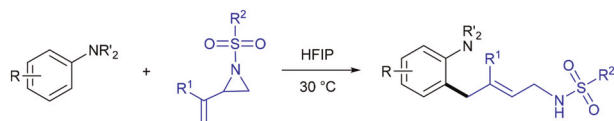
623



Efficient synthesis of trisubstituted allenes via palladium-catalysed deaminative coupling of tertiary propargylamines with arylsiloxanes

Mingjie Liao, Ziqi Yi, Qingqing You, Chuang Liu, Huangdi Feng* and Junhai Huang*

629

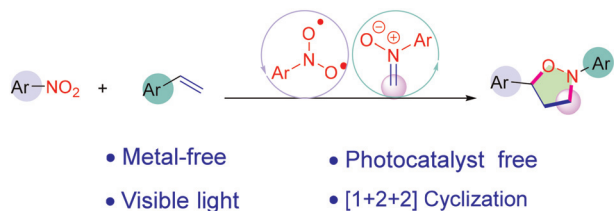


- ✓ metal catalyst and additive free
- ✓ reaction carried out in air
- ✓ mild reaction conditions
- ✓ *ortho*-monoallylation selectivity
- ✓ (*E*)-configured C–C double bond
- ✓ wide substrate scope
- ✓ good functional group tolerance
- ✓ atomic economy

ortho-Allylation of anilines with vinylaziridines in hexafluoroisopropanol

Jing-Jing Nie and Zhong-Xia Wang*

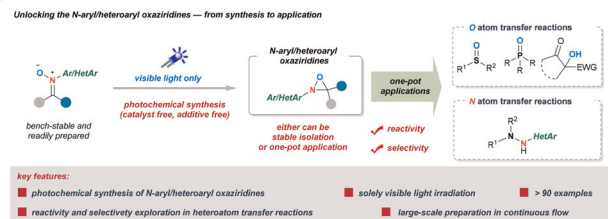
636



Visible light-mediated [1 + 2 + 2] cycloaddition reaction of nitroarenes and alkenes

Mengxin Li, Molai Zhao, Xianglin Zhong, Xiaoqing Wen, Xiangwei Liu, Hezhong Jiang,* Rui Tan* and Jiahong Li*

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N-Aryl/heteroaryl oxaziridines: from photochemical synthesis to reactivity investigation in heteroatom transfer reactions

Bao-Gui Cai, Hui Mao, Kun Wang and Jun Xuan*



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Charge transfer complex enabled mechanochemical synthesis of chalcogenoacetylenes via alkynyl radicals

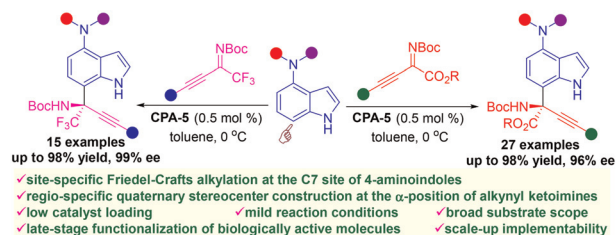
Fang Tan, Chang-Zhen Fang, Bing-Sheng Qiu, He Sheng,* Yong-Liang Tu* and Xiang-Yu Chen*



655

Catalytic enantioselective and site-specific Friedel–Crafts alkylation of 4-aminoindoles with β,γ -alkynyl- α -ketoimines for the synthesis of C7-functionalized indoles

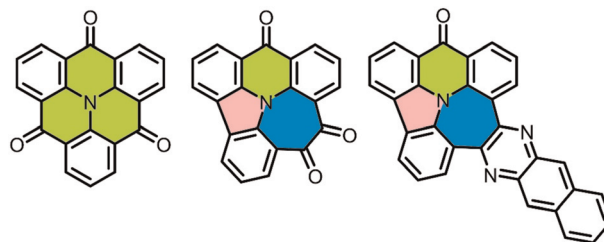
Lei Yang,* Xue-Man Zhang, Juan Liao, Yan-Ping Zhang, Zhen-Hua Wang, Yong You, Jian-Qiang Zhao* and Wei-Cheng Yuan*



662

Synthesis and derivatization of an isomer of an N-heterotriangulene bearing five-, six- and seven-membered rings around the central nitrogen atom

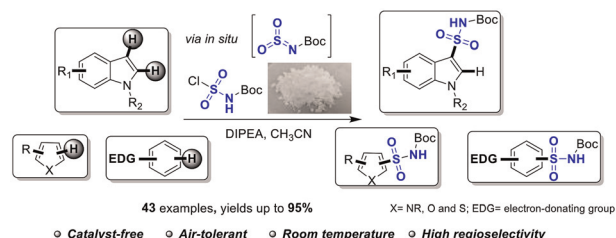
Xinxin Chen, Weifan Wang and Gang Zhang*



670

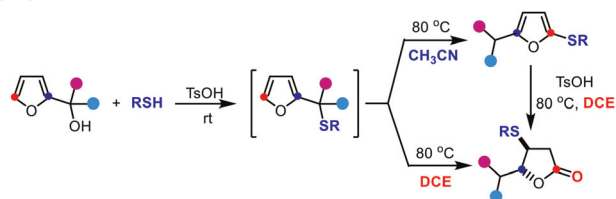
Direct aminosulfonylation of electron-rich (hetero) arenes utilizing *tert*-butyl chlorosulfonylcarbamate and diisopropylethylamine

Xiaofei Zhang, Jiangtao Tan, Yuancheng Zhong, Zhen Zhuang, Qian He, Min Jiang* and Chunhao Yang*



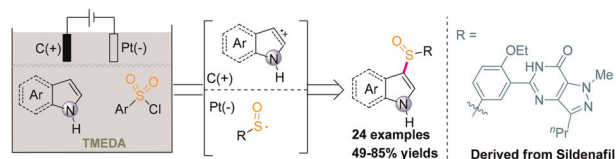
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**Brønsted acid-catalyzed solvent-controlled regioselective thiolation of 2-furylcarbinols**

Chunyu Zhang, Tianyu Lin, Qing Liu, Rui Hu and Weidong Rao*

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**TMEDA-enabled regioselective sulfenylation of unprotected *N*-heterocycles via electrochemical sulfinyl radical generation**

Qiang Zhong, Xinru Jiang, Hui Gao,* Pei-Long Wang and Hongji Li*

