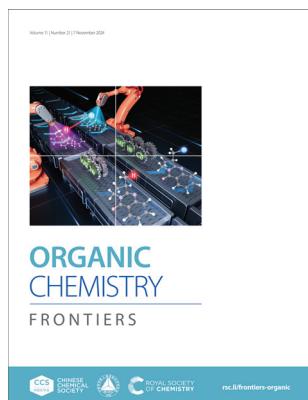


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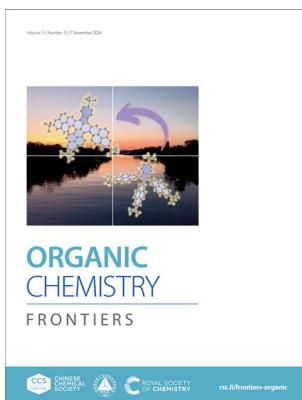
ISSN 2052-4129 CODEN OCFRA8 11(21) 6007–6274 (2024)



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See Fanghua Ji,
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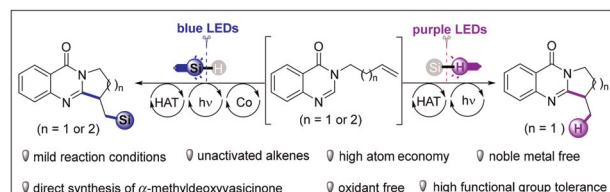
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2024, **11**, 6026.

RESEARCH ARTICLES

6019

Visible-light-induced selective hydrolipocyclization and silylation of alkenes: access to ring-fused quinazolin-4(3*H*)-ones and their silicon-substituted derivatives

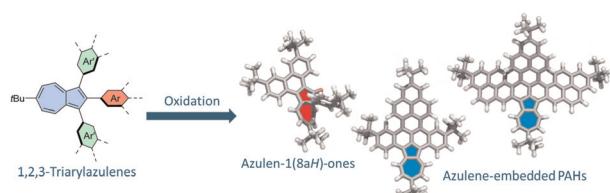
Shoucai Wang, Ziren Chen, Fei Xue, Yonghong Zhang, Bin Wang, Shaofeng Wu, Yu Xia, Xiuli Zhao, Guangbin Jiang, Fanghua Ji* and Chenjiang Liu*



6026

1,2,3-Triarylazulenes as precursors of azulene-embedded polycyclic aromatic hydrocarbons

Justyna Biesaga, Sławomir Szafert and Bartłomiej Pigulski*



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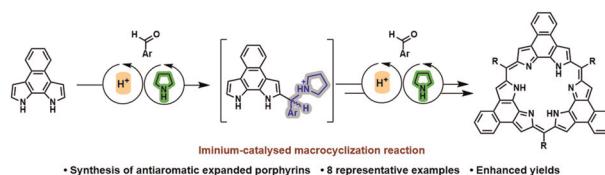
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6036

Synthesis of annulated rosarins via iminium activation

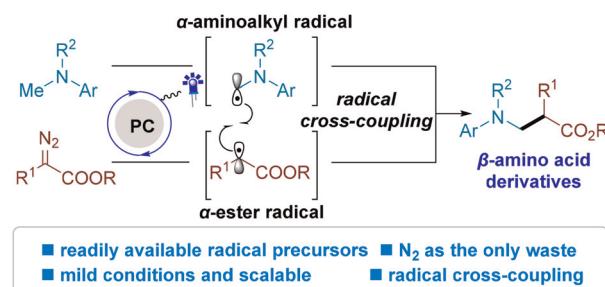
Duong D. Nguyen, Jorge Labella,*
 Marta Gómez-Gómez, Tomás Torres* and
 Jonathan L. Sessler*



6042

Synthesis of β -amino acid derivatives via photoredox-catalyzed radical cross-coupling of anilines with diazo compounds

Cheng-Cheng Tian, Dan Yang, Yu Liu, Wei Chen,
 Yuzhe Zhang* and Hong-Hao Zhang*



6048

Rh(III)-catalyzed regioselective C–H activation/[3 + 2] cyclization of KHAs with iodonium ylides accessing pyrimido[1,2-a]indole derivatives

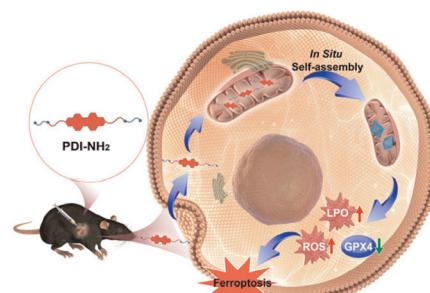
Qin Luo, Jin-Mei Qi, Li Chen, Cen Jian,
 Cong-Hai Zhang* and Sheng-Jiao Yan*



6055

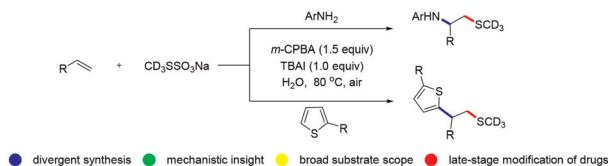
***In situ* supramolecular self-assembly of a perylene diimide derivative in mitochondria for cancer cell ferroptosis**

Xuan Wu,* Ting-Long Zhuang, Ming Liu, Xiaohuan Sun,
 Liqi Zhu, Quan Zhang, Jie Han,* Leyong Wang and
 Rong Guo



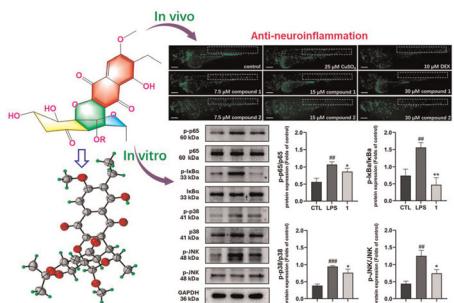
RESEARCH ARTICLES

6064

**Metal-free three-component amino- and carbotriideuteromethylthiolation of alkenes in water**

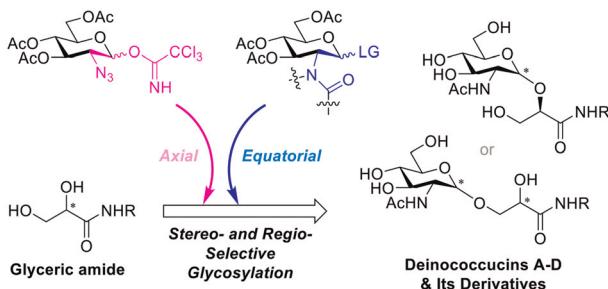
Siyu Han, Lin Zhao, Xinyu Zhou, Kemeng Zhang, Yunfei Ma and Ge Wu*

6069

**Herpotriquinones A and B, two dimeric naphthoquinone-epoxycyclohexenone adducts with anti-neuroinflammatory activity from the isopod-associated fungus *Herpotrichia* sp. SF09**

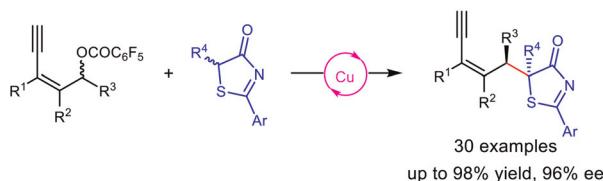
Yi-Jie Zhai, Zhen-Zhen Zhou, Wen-Ji Wang, Xin-Yu Wang, Zi-Jue Wang, Guang-Zhi Dai, Xinxiang Lei, Wen-Li Li, Jin-Ming Gao* and Wen-Bo Han*

6078

**Total synthesis of deinococcucins A–D and their isomeric derivatives via stereo- and regio-selective glycosylation: the discovery of a novel anti-angiogenic agent**

Honghui Lee, Shihwa Seong, Eun Seo Bae, Seung Hyun Choi, Jinwoo Lee, Seok Beom Lee, Dong-Chan Oh, Sang Kook Lee and Suckchang Hong*

6083

**Copper-catalyzed remote asymmetric yne-allylic substitution: construction of thiazolone derivatives with adjacent chiral centers**

Zi-Han Wang, Jia-Run Wang, Ying-Ying Wei, Bing Liu* and Tao-Yan Lin*

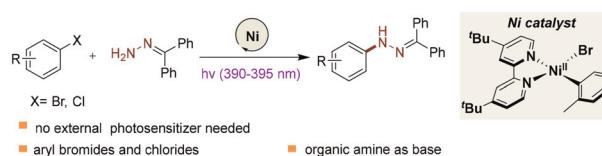


RESEARCH ARTICLES

6089

Light-promoted, nickel-catalyzed C–N coupling of (hetero)aryl halides with benzophenone hydrazone for the synthesis of nitrogen-containing heterocycles

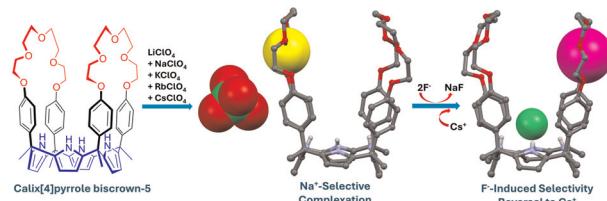
Fei Li, Huan-huan Lu, Huijuan Liao, Weikang Xiong, Jianyang Dong, Gang Li and Dong Xue*



6096

Calix[4]pyrrole bis-crowns as ion pair receptors: cation selectivity modulated by counter anions

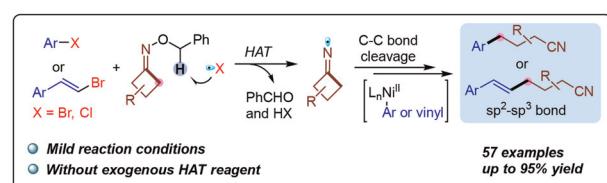
Ju Ho Yang, Ju Hyun Oh, Seung-Ryong Kwon and Sung Kuk Kim*



6104

C–C bond cleavage arylation and alkenylation of cyclobutanone oxime ethers via photoredox/nickel catalysis

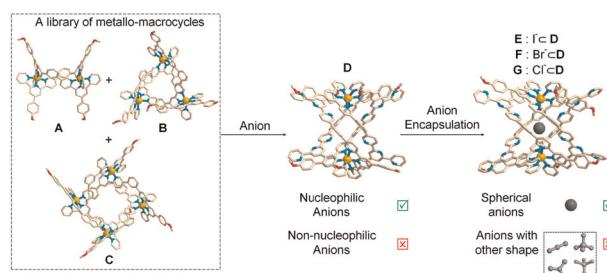
Chenglin Peng, Yingru Tang, Shili Sun, Yu Wei, Weiji Zhou, Li-Na Guo,* Liang Xu* and Shuai Liu*



6110

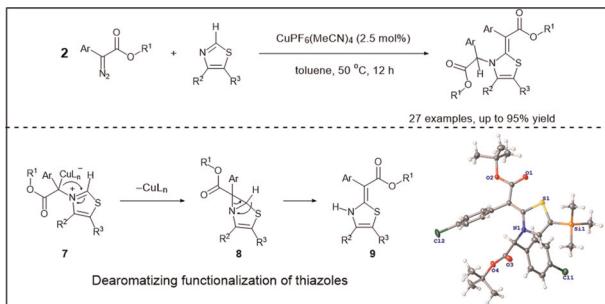
Selective halide ion binding templation effect for a quadruple-stranded-helicate enabling the activation of C–Br bonds

Lei Fu, Yang Liu, Zhiyuan Jiang, Zhe Zhang,* Qixia Bai, Yu-Qing Li, Zhi Chen, Xiaopeng Li, Pingshan Wang* and Tun Wu*



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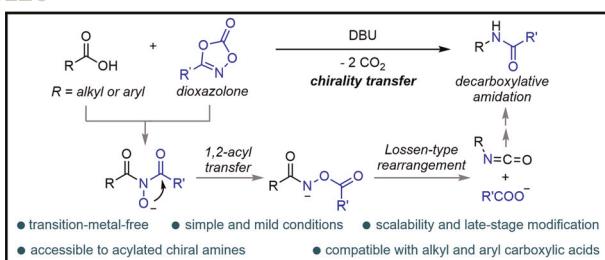
6117



Cu(I)-catalyzed dearomatizing cascade of thiazoles using two molecules of an α -aryl- α -diazoester: a novel approach for the synthesis of densely substituted 4-thiazolines

Ying Ran, Xingrong Ye, Mingli Liu and Xichen Xu*

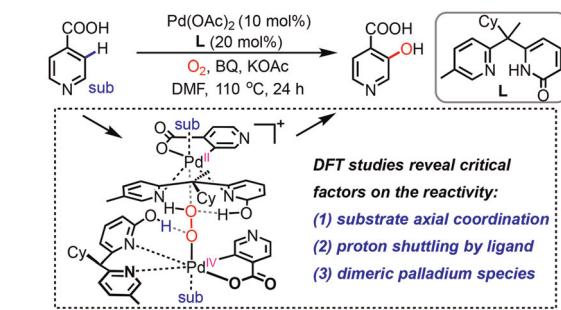
6126



Direct decarboxylative C–N coupling with dioxazolones mediated by a base

Bai-Hua Niu, Xi-Rui Xia, Lu Ran, Yu-Xing Zhang, Yuan-Ye Jiang,* Hong Jiang* and Wan-Min Cheng*

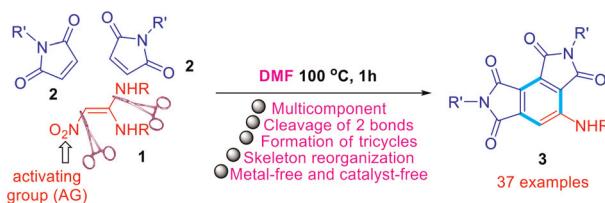
6135



A mechanistic study reveals the roles of the ligand and substrate in the Pd-catalyzed C–H bond hydroxylation of a carboxylic acid with molecular oxygen

Hui-Mei Shan, Qian Wang, Ze-Hua Sun, Yuxiang Bu and Li-Ping Xu*

6144



Multicomponent synthesis of functionalized pyrrolo[3,4-e]isoindole-1,3,6,8-tetraones via [2 + 2 + 2] cycloaddition of maleimides with nitroenamines

Jia-Ming Yang, Bi-Na Shao, Xing-Mei Hu, Jian-Bo Ma, Jin Liu* and Sheng-Jiao Yan*

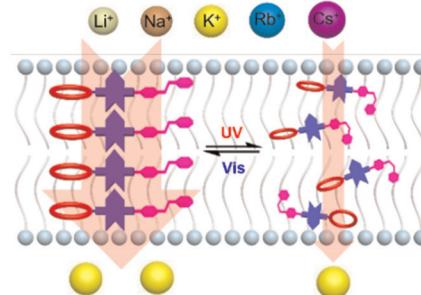


RESEARCH ARTICLES

6150

A light-regulated, exceptionally active and selective artificial potassium channel

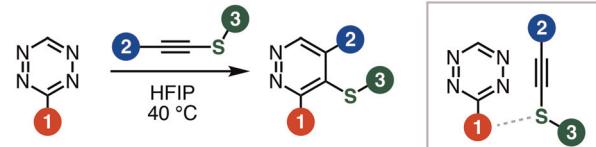
Landley Ziluo Zeng, Zhongyan Li, Ying Xu, Jie Shen, Bing Gong and Wenju Chang*



6159

Regioselective pyridazine synthesis from tetrazines and alkynyl sulfides

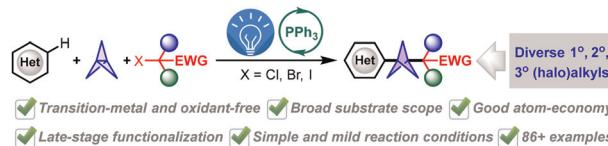
Chika Yamamoto, Koyo Numata, Minori Suzuki and Suguru Yoshida*



6166

Transition-metal-, oxidant- and additive-free multi-component synthesis of alkyl heteroaryl BCPs enabled by visible-light-induced phosphine-catalyzed halogen-atom transfer

Jun Xu, Yu Hong, Ruiyuan Xu, Yuxin Wang, Yirui Guo, Jiabin Shen,* Yuxuan Zhao and Wanmei Li*



6177

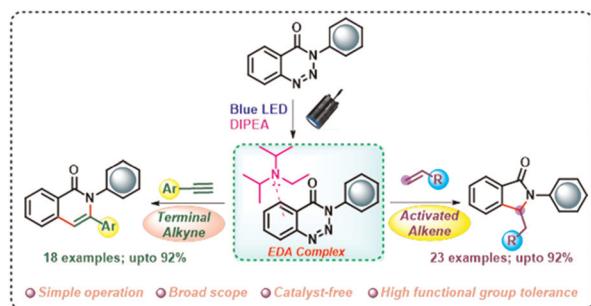
Brunsted base-catalyzed assembly of sulfochromeno[4,3-*b*]pyrrolidines via tandem [3 + 2] cycloaddition–SuFEx click reaction of ethenesulfonfonyl fluorides and *o*-hydroxyaryl azomethines

Fang Zhang, Qichao Zhang, Pei Xie, Lin He,* Zhihua Cai and Guangfen Du*



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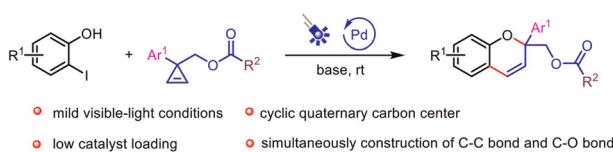
6184



Visible light-induced denitrogenative annulation reaction of 1,2,3-benzotriazin-4(3H)-ones with alkenes and alkynes via electron donor–acceptor (EDA) complex formation: a sustainable approach to isoindolinone and isoquinolinone synthesis

Ramaraju Korivi, Popuri Sureshbabu, Kumar Babu Busi, Sabyasachi Chakrabortty and Subramaniyan Mannathan*

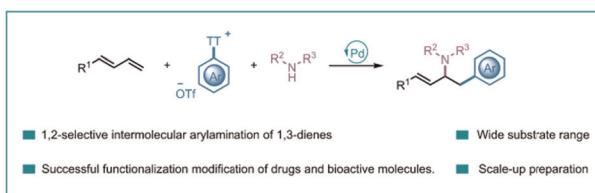
6194



Visible-light-induced palladium-catalyzed formal [3 + 3] cyclization of 2-iodophenols and cyclopropenes

Yue-Jie Niu, Shu-Xin Gao, Xin-Xin Liu, Hong Xin, Xin-Hua Duan, Li-Na Guo, Pin Gao* and Pengfei Li*

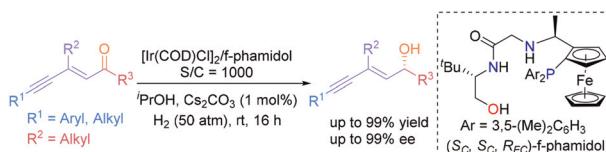
6200



Palladium-catalyzed 1,2-selective intermolecular arylation of 1,3-dienes

Zhuo-Mei Li, Zhe Zhang, Xue-Song Li, Rui-Qiang Jiao, Xi Chen and Xue-Yuan Liu*

6207



Ir-catalyzed chemo- and enantioselective hydrogenation of enyne-conjugated ketones

Xuejuan Zheng, Fanping Huang, Jianfei Yu, Qiwei Lang, Ya-Nan Duan, Gen-Qiang Chen* and Xumu Zhang*

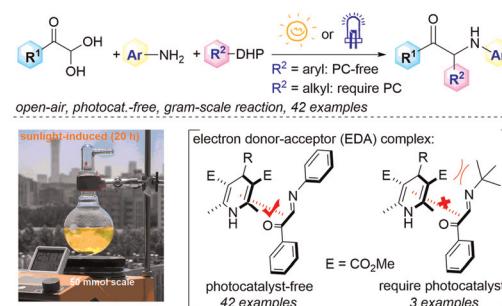


RESEARCH ARTICLES

6213

Sunlight-induced three-component synthesis of α -aminoketones: a green and sustainable pathway through an EDA complex

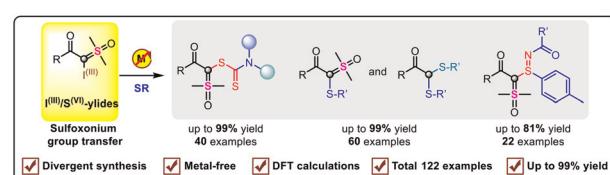
Jianwei Wang, Zhiqin Zhang, Chengrui Li, Miao Wang, Jiajing Tan, Hongguang Du* and Ning Chen*



6223

Modular synthesis of divergent thiofunctionalized sulfoxonium ylides

Qiong Hu, Mei-Zhu Bao, Yuan-Jie Meng, Xin-Xing Liu, Wen-Xuan Zou, Jia-Lin Song, Jiaohang Wei, Dan-Ting Shen, Xiang Liu,* Xiaohui Cao* and Shang-Shi Zhang*

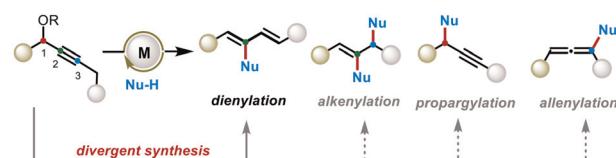


REVIEWS

6231

Transition metal-catalyzed redox-neutral 1,3-dienylation of propargylic esters and divergent synthesis

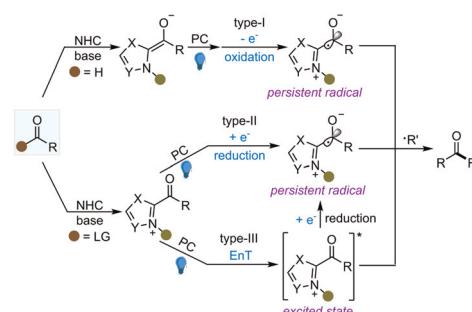
Haowen Tang, Mengfu Dai, Dongwu Zhou, Liangliang Song* and Liang-An Chen*



6243

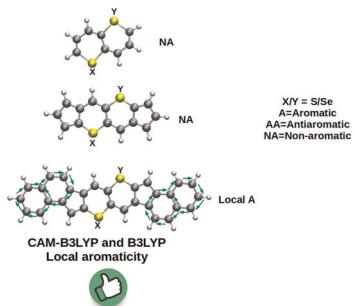
Recent advances in cooperative N-heterocyclic carbenes and photocatalysis

Kui Tian, Zi-Fei Xia, Jun Wei, Hai-Yan Tao* and Xiu-Qin Dong*



COMMENT

6265



Comment on “Polycyclic aromatic hydrocarbons containing antiaromatic chalcogenopyrano [3,2-*b*]-chalcogenopyrans” by W. Chen, H. Zong, Y. Xie, J. Xu, J.-W. Cai, S.-D. Wang and G. Zhou, *Org. Chem. Front.*, 2024, 11, 390

Luis Soriano-Agueda

CORRECTION

6272

Correction: Self-division of 2-D sheets in aromatic macrocycle assembly

Yanqiu Wang, Xiaopeng Feng and Myongsoo Lee*

