

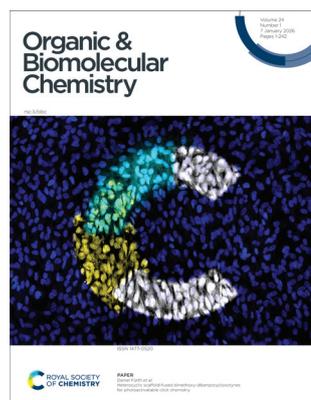
Organic & Biomolecular Chemistry

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See Daniel Fürth et al.,
pp. 120–126.

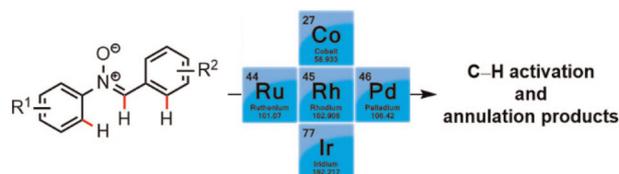
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REVIEWS

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Nitrones as directing groups in transition metal-catalysed C–H activation

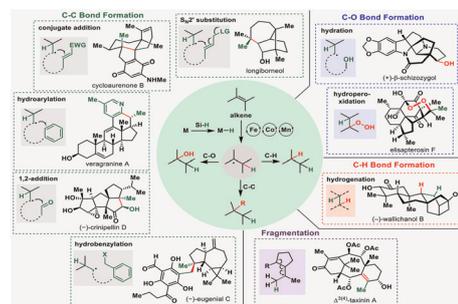
Barbara Stańska, Anjali Dahiya and Rafał Loska*



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Recent advances in applications of metal hydride hydrogen atom transfer for natural product synthesis

Yogesh G. Shelke* and Surasmita Dhal



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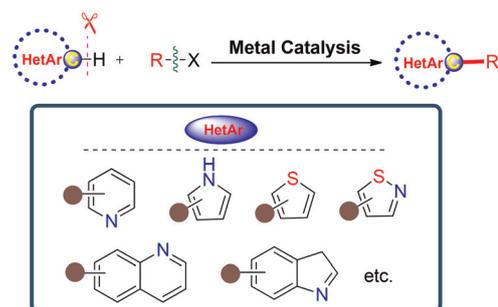
Fundamental questions
Elemental answers

REVIEWS

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Direct C–H functionalization on heteroaromatic rings

Nai-Xing Wang,* Shi Tang, Yu-Qiang Zhou, Dumitru Lucan,* Evan Wu and Yalan Xing*

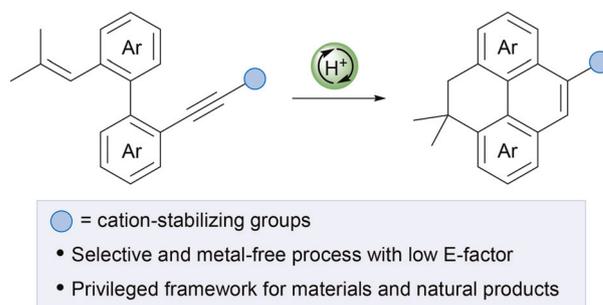


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Selective synthesis of 4,5-dihdropyrenes by a Brønsted acid-catalyzed cyclization cascade of biphenyl-embedded enynes

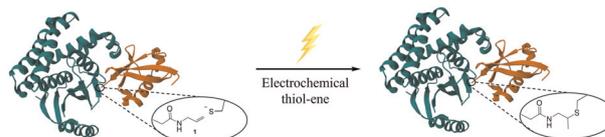
Jaime Tostado, Lucía Sánchez-Jiménez and Manuel A. Fernández-Rodríguez*



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Electrochemically-generated ferricyanide enables thiol-ene capture of protein-protein binding

André Campaniço, Denise Sommer, Christopher Batchelor-McAuley* and Joanna F. McGouran*



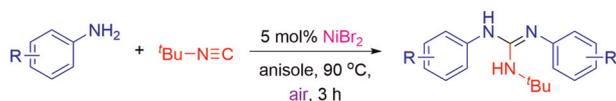
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Photoredox/NHC-catalyzed remote alkylation of γ -functionalized enals with *N*-substituted pyridinium salts

Yuan-Yuan Xu,* Chang-Chun Liu, Zhi-Hao Shen, Ben-Cai Dai, Jun-An Ma and Yang Zhou*



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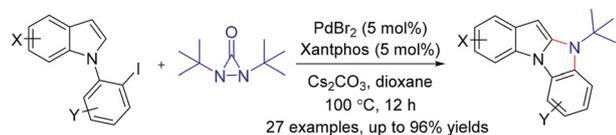


- ◆ base metal catalysis
- ◆ mild reaction conditions
- ◆ no external oxidant
- ◆ halogen atoms (F, Cl, Br, I) tolerated

A nickel-catalyzed isocyanide insertion reaction with aromatic amines: direct access to open-chain guanidines

Zhe Zheng, Hongqiang Ma, Hongwei Jin, Bingwei Zhou and Yuanyuan Hu*

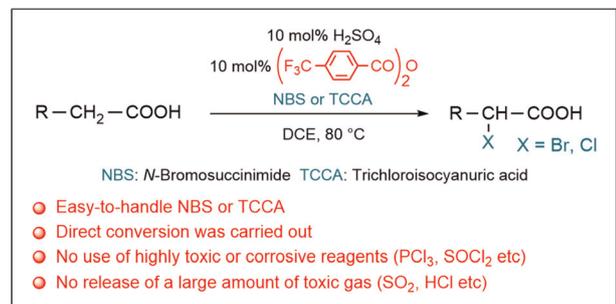
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Pd-catalyzed efficient synthesis of benzo[4,5]imidazo[1,2-a]indoles with diaziridinone

Jianjun Wang, Xiao Zhang, Shiwei Zhang, Wei Liu and Yian Shi*

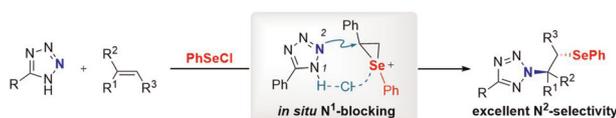
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Direct α -halogenation of carboxylic acids with *N*-bromosuccinimide (NBS) or trichloroisocyanuric acid (TCCA) in the presence of catalytic amounts of 4-trifluoromethylbenzoic anhydride and H₂SO₄

Kiyoshi Tanemura

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Regioselective β -organoseleno/ α -,*N*²-tetrazole addition to alkenes

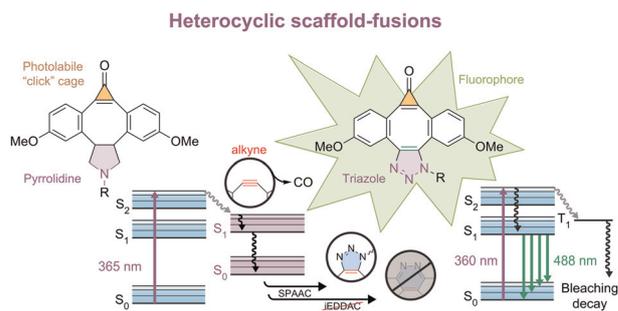
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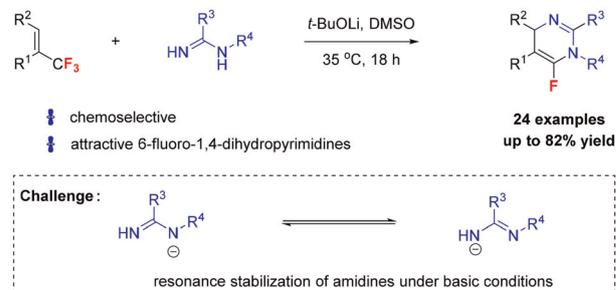
N. Alfred Larsson, Taegeun Jo, Ulf Bremberg, Stefano Crespi, Luke R. Odell and Daniel Fürth*



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Chemoselective defluorinative amination of (trifluoromethyl)alkenes with amidines: synthesis of 6-fluoro-1,4-dihydropyrimidines

Han Li, Xujing Long and Chuanle Zhu*

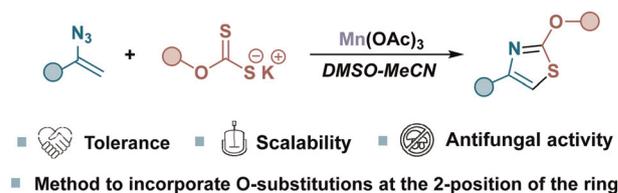


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Synthesis of thiazoles from vinyl azides and xanthates under the action of an Mn(III)-oxidant

Lada A. Zaikina, Mikhail M. Doronin, Oleg O. Segida, Olga M. Mulina, Igor B. Krylov, Liang-Nian He and Alexander O. Terent'ev*

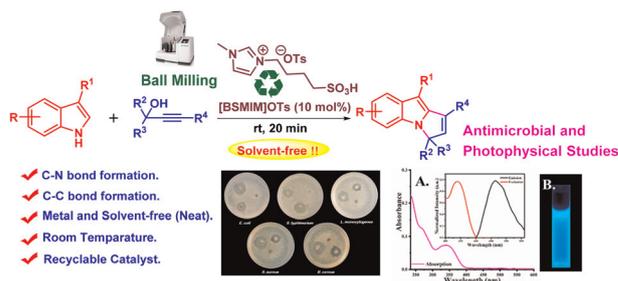
Mn(III)-oxidative xanthylation/aromatization



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Mechanochemical synthesis of pyrrolo[1,2-a]indoles via consecutive C–C and C–N bond formation in the presence of an ionic liquid: antimicrobial and photophysical studies

Tanmay Pramanik, Satyajit Pal, Nargis Sultana, Anupam Kundu, Anindita Mukherjee, Sougata Santra, Naznin Ara Begum, Jnanendra Rath, Grigory V. Zyryanov and Adinath Majee*



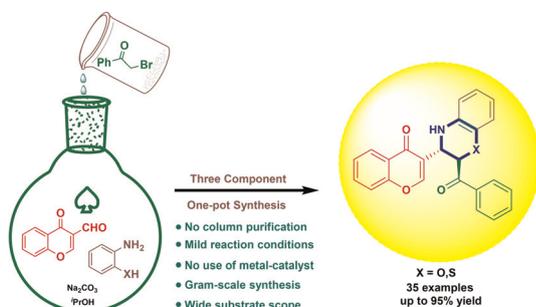
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Solvent-assisted one-pot green and diastereoselective synthesis of 1,4-oxazines and 1,4-thioxazines under metal-free conditions

Farukh Ahmad, Rajeev Singh and Naseem Ahmed*

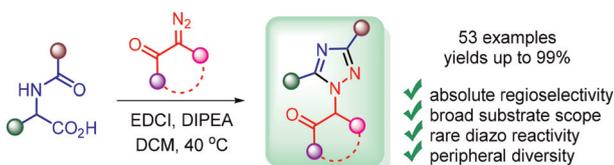
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Transition metal-free organocatalyzed direct *N*-benzylation of amides via a hydrogen borrowing strategy

Deepak Gautam, Puneet Singh Gahlaut, Bhawana Shekhawat and Barun Jana*

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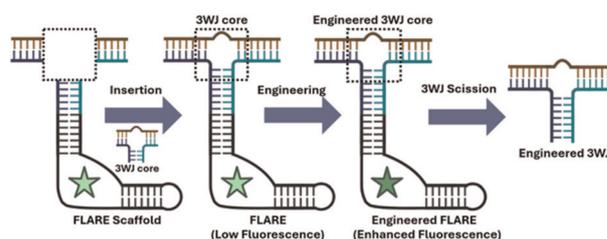
Roman Kuznetsov, Grigory Kantin, Alexander Sapegin, Mikhail Novikov and Dmitry Dar'in*



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FLARE: a label-free fluorescence-assisted method for RNA engineering of three-way junctions

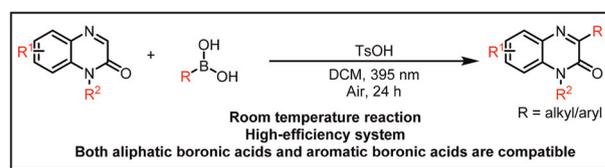
A. Murali Krishna, Nida Fathima, Jothi Basu and Ashwani Sharma*



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Metal- and photocatalyst-free C3–H functionalization of quinoxalin-2(1H)-ones enabled by electron donor–acceptor complex photoactivation

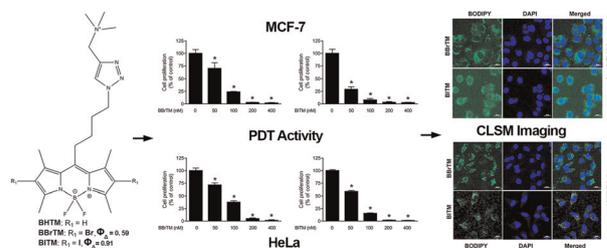
An Chen, Yating Du, Xinchang Wang, Yongqi Xu, Xiaoyang Yao, Yu Hong and Wanmei Li*



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Cationic halogenated BODIPYs as water-soluble photosensitizers for photodynamic therapy

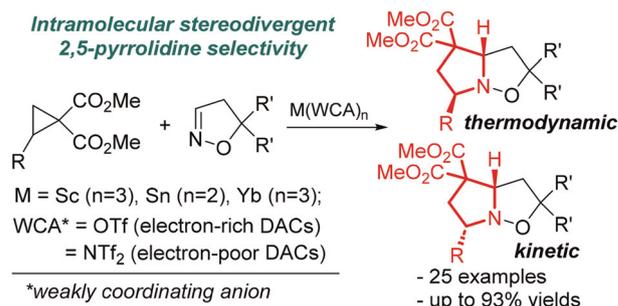
Arrhon Mae Bongo, Yeji Kim, Duy Khuong Mai, Jung Suk Kim,* Sung Cho* and Ho-Joong Kim*



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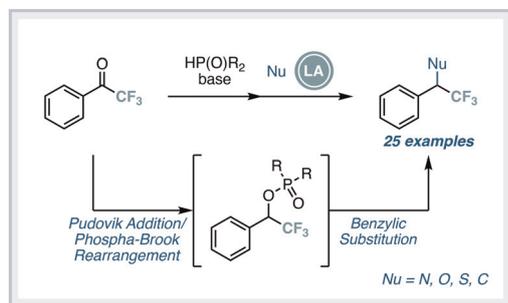
Stereoselective synthesis of functionalized perhydropyrrolo[1,2-*b*]isoxazoles based on (3 + 2)-annulation of donor–acceptor cyclopropanes and isoxazolines

Konstantin V. Potapov, Maxim A. Novikov, Yaroslav V. Kozmenko, Pavel N. Solyev, Alexander D. Volodin, Alexander A. Korlyukov, Roman A. Novikov* and Yuri V. Tomilov*



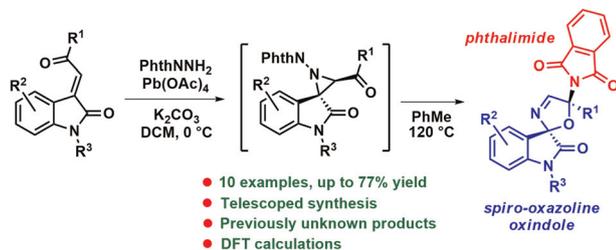
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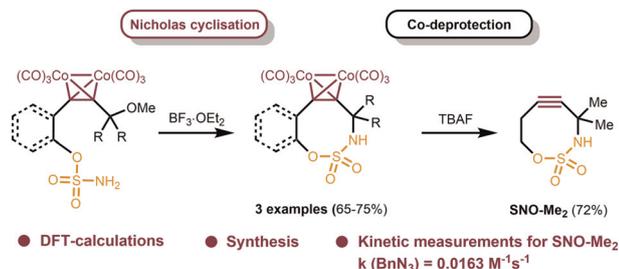
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CORRECTION

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Correction: Visible light photocatalytic reductive hydroalkylation and deuterium alkylation to access α -silylated bicyclo[1.1.1]pentanes

Changlong Zheng, Xin Liu, Bin Hu, Ting Lin, Shipeng Luo* and Chenguang Liu*

