

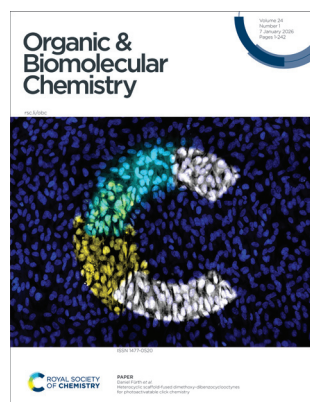
# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry  
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**Cover**  
See Daniel Fürth *et al.*,  
pp. 120–126.

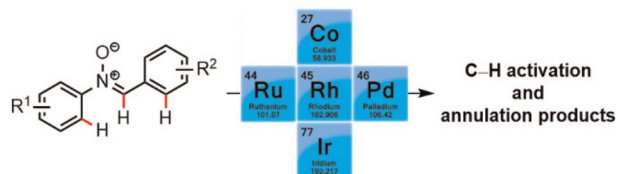
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2026, **24**, 120.

## REVIEWS

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

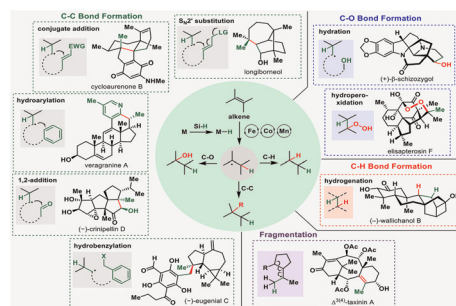
Barbara Stańska, Anjali Dahiya and Rafał Loska\*



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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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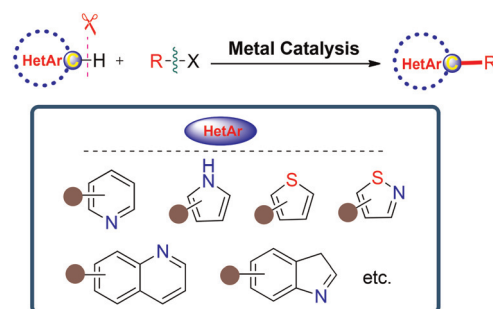
Fundamental questions  
Elemental answers

## 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\*

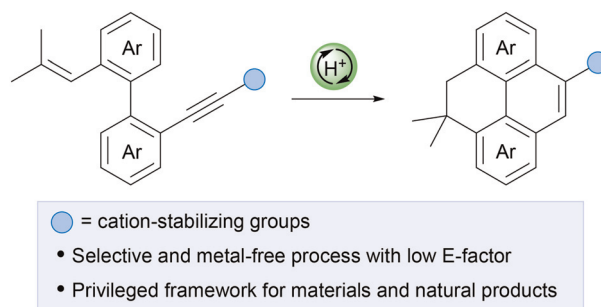


## COMMUNICATIONS

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

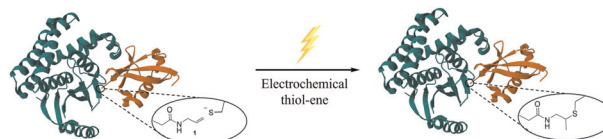
Jaime Tostado, Lucía Sánchez-Jiménez and Manuel A. Fernández-Rodríguez\*



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

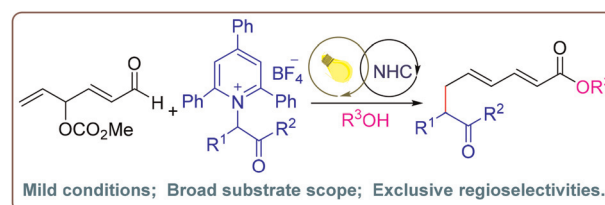
André Campaniço, Denise Sommer, Christopher Batchelor-McAuley\* and Joanna F. McGouran\*



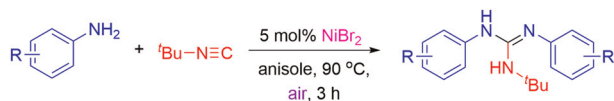
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**Photoredox/NHC-catalyzed remote alkylation of  $\gamma$ -functionalized enals with *N*-substituted pyridinium salts**

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



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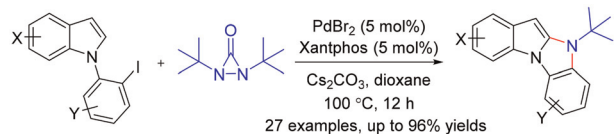


- ◆ base metal catalysis
- ◆ mild reaction conditions
- ◆ no external oxidant
- ◆ halogen atoms (F, Cl, Br, I) tolerated

### 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\*

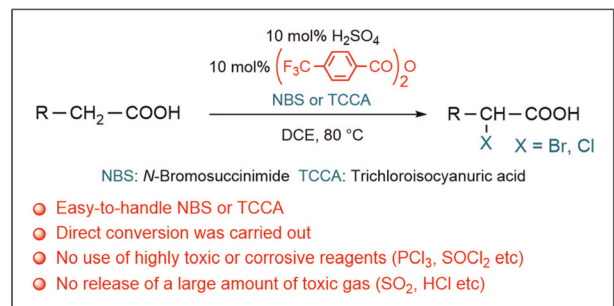
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### Pd-catalyzed efficient synthesis of benzo[4,5]imidazo[1,2-a]indoles with diaziridinone

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

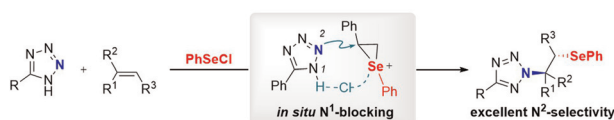
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### Direct $\alpha$ -halogenation of carboxylic acids with *N*-bromosuccinimide (NBS) or trichloroisocyanuric acid (TCCA) in the presence of catalytic amounts of 4-trifluoromethylbenzoic anhydride and H<sub>2</sub>SO<sub>4</sub>

Kiyoshi Tanemura

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### Regioselective $\beta$ -organoseleno/ $\alpha$ -, $N^2$ -tetrazole addition to alkenes

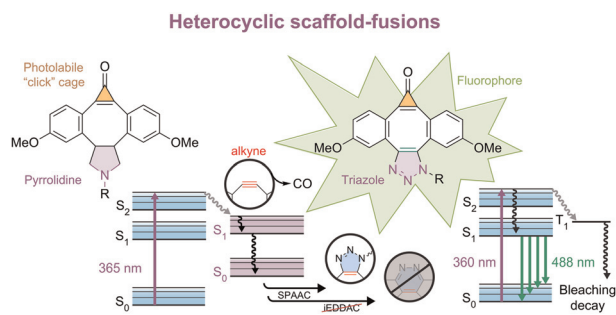
Li-Li Zhu, Lifang Tian, Zijian Zhang, Qinying Li, Yingying Tian, Xiaofeng Han, Jiawei Li, Guanglu Liu, Hui Zhang\* and Yahui Wang\*



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### Heterocyclic scaffold-fused dimethoxy-dibenzocyclooctynes for photoactivatable click chemistry

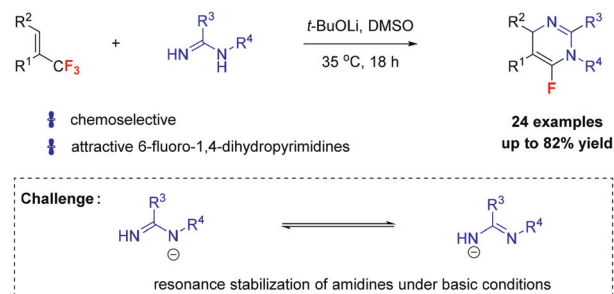
N. Alfred Larsson, Taegeun Jo, Ulf Bremberg, Stefano Crespi, Luke R. Odell and Daniel Fürth\*



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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\*

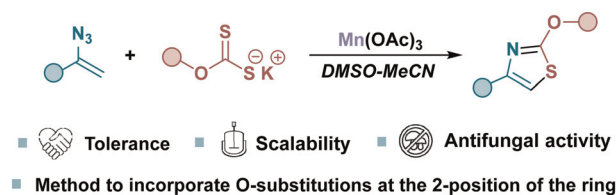


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### Synthesis of thiazoles from vinyl azides and xanthates under the action of an Mn(III)-oxidant

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

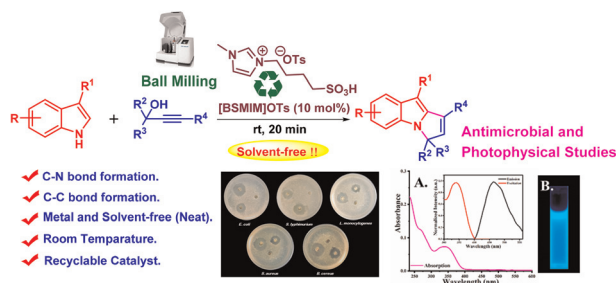
#### Mn(III)-oxidative xanthylation/aromatization



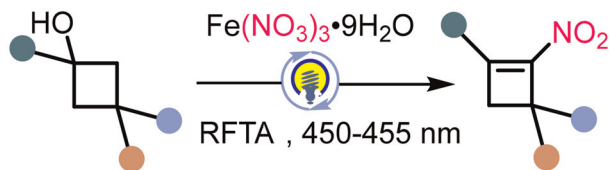
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### Mechanochemical synthesis of pyrrolo[1,2-a]indoles *via* consecutive C–C and C–N bond formation in the presence of an ionic liquid: antimicrobial and photophysical studies

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



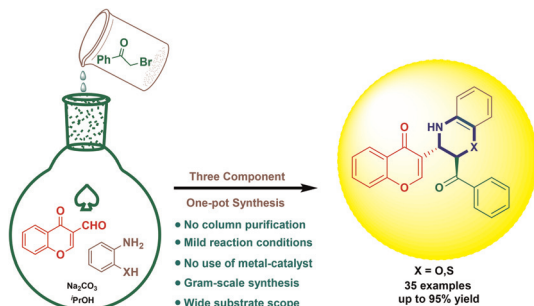
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### $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ -mediated visible-light photocatalysis for the nitration of cyclobutanols: access to functionalized nitrocyclobutenes

Dongfang Jiang,\* Can Yang, Xinying Man, Xin Li, Haifei Wang,\* Yunlin Song\* and Zhenjie Qi\*

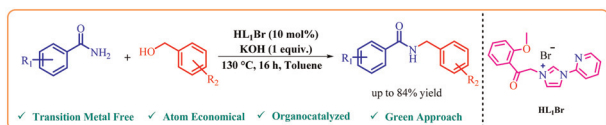
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### Solvent-assisted one-pot green and diastereoselective synthesis of 1,4-oxazines and 1,4-thioxazines under metal-free conditions

Farukh Ahmad, Rajeev Singh and Naseem Ahmed\*

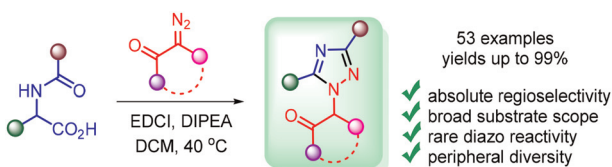
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### Transition metal-free organocatalyzed direct N-benylation of amides via a hydrogen borrowing strategy

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

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### Elucidating the mechanism, origin of regioselectivity and substrate scope of the synthesis of structurally diverse 1,2,4-triazoles via a rare type of diazo compound reactivity

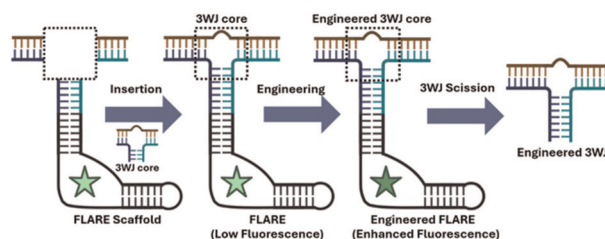
Roman Kuznetsov, Grigory Kantin, Alexander Sapegin, Mikhail Novikov and Dmitry Dar'in\*



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

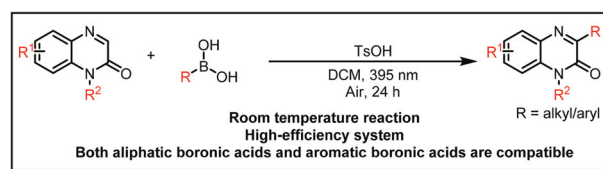
A. Murali Krishna, Nida Fathima, Jothi Basu and Ashwani Sharma\*



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

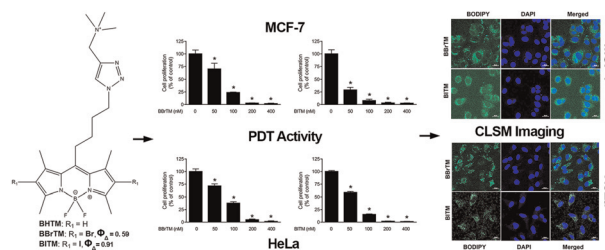
An Chen, Yating Du, Xinchang Wang, Yongqi Xu, Xiaoyang Yao, Yu Hong and Wanmei Li\*



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## Cationic halogenated BODIPYs as water-soluble photosensitizers for photodynamic therapy

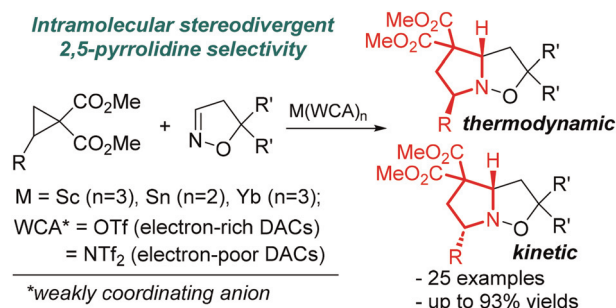
Arrhon Mae Bongo, Yeji Kim, Duy Khuong Mai, Jung Suk Kim,\* Sung Cho\* and Ho-Joong Kim\*



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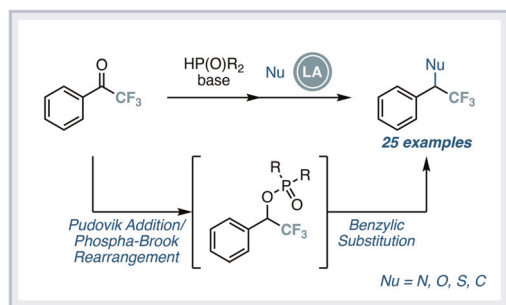
## Stereoselective synthesis of functionalized perhydropyrrolo[1,2-*b*]isoxazoles based on (3 + 2)-annulation of donor–acceptor cyclopropanes and isoxazolines

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\*



## PAPERS

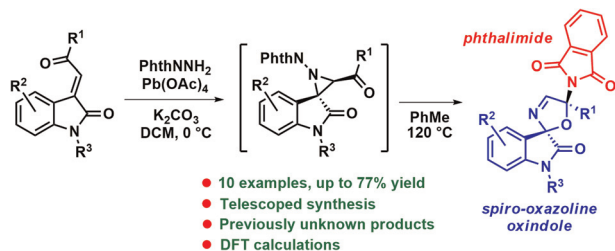
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## Deoxygenative functionalization of trifluoromethyl ketones

Shuhei Shimoyama, Miki B. Kurosawa and Junichiro Yamaguchi\*

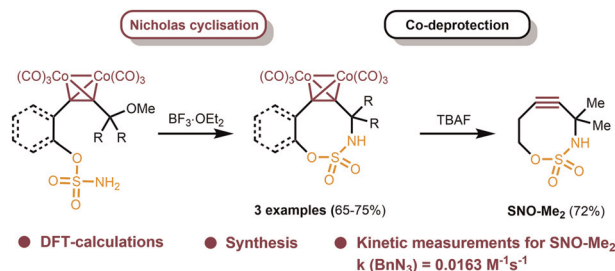
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## A telescoped diastereoselective synthesis of phthalimido-substituted spiro-oxazoline oxindoles via an aziridine expansion strategy

Anna A. Nikolaeva, Ilya P. Filippov, Oleg E. Polekh, Alena S. Pankova and Nikolai V. Rostovskii\*

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Iaroslav A. Kutuzov, Ekaterina A. Khmelevskaya, Alexander F. Khlebnikov, Mia D. Kim, Alexander Yu. Ivanov, Ivan A. Rodionov, Irina A. Balova and Natalia A. Danilkina\*

## CORRECTION

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

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

