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#### IN THIS ISSUE

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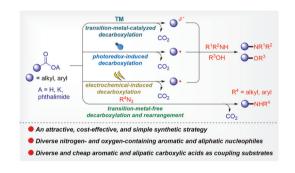
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# **REVIEWS**

7367

From carboxylic acids or their derivatives to amines and ethers: modern decarboxylative approaches for sustainable C-N and C-O bond formation

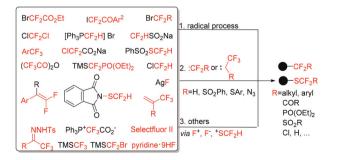
Weidan Yan, Tian Tian and Yasushi Nishihara\*



#### 7383

# Recent advances in the three-component synthesis of difluorinated compounds

Zhan-Yong Wang,\* Ziyan Zhang, Weiyi Chen, Yang Liu, Aili Sun\* and Ran Xia\*



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### **COMMUNICATIONS**

#### 7401

# Ball-milling-mediated remote asymmetric reductive coupling in air

Hao Lei, Yufang Yang, Jiajia Sun, Shu Fan, Xiaofeng Wei,\* Siyuan Wang,\* Hai-Shu Lin\* and Yan Kang\*

#### 7406

Visible light-induced cascade cyclization of 2-isocyanoaryl thioethers/selenoethers: access to 2-arylthiobenzothiazoles/ 2-arylthiobenzoselenazoles

Dan Liu, Shichao Yang, Huanfeng Jiang and Wanqing Wu\*

▲ Photocatalyst-, oxidant-, additive-free ▲ Mild and redox-neutral conditions ▲ One-pot construction of two C-S bonds ▲ Good to excellent yields

# 7411

# Efficient photocatalytic synthesis of benzylhydrazine

Yuhui Zhang, Fei Zeng, Yangyang Li, Meiqi Zhou, Jiafan Wang and Bingzhen Ma\*

#### 7415

Diastereoselective synthesis of spiro[cyclopropane-1,3'-indolin]-2'-imines via a sequential [1 + 2] annulation reaction of indolin-2-imines with  $\alpha$ -aryl vinylsulfonium salts

Yan Gou, Shanling Hou, Qingyi Fu, Zhi Fan and Yuming Li\*

#### **COMMUNICATIONS**

#### 7420

Copper-mediated tetrafluoroethylation of unsaturated organotrifluoroborates via generation of the HCF2CF2-radical from zinc 1,1,2,2tetrafluoroethanesulfinate

Md Nirshad Alam, Satyajit Majumder, Teruo Umemoto and William R. Dolbier, Jr.\*

#### 7425

- ✓ De novo ring formation via CDC
- ✓ Broad substrate scope: symmetric & unsymmetric fluorene-9-caboxamides

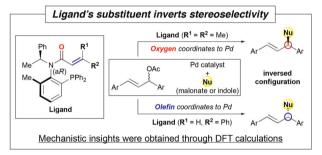
✓ Mild reaction conditions

# Rapid access to fluorene-9-carboxamides through palladium-catalysed cross-dehydrogenative coupling

Xin Yang, Kun Zhou, Yue Wang, Yang-Jie Mao, Kai Liu, Zhen-Yuan Xu, Dan-Qian Xu\* and Shao-Jie Lou\*

#### **PAPERS**

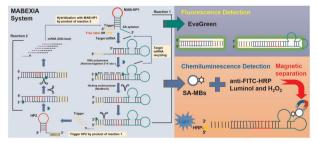
#### 7431



# Stereoinversion in Pd-catalyzed allylic substitution induced by modification of olefinic moiety in chiral phosphine-acrylamide ligands

Kohei Watanabe,\* Yuto Toba, Shimpei Mita, Yusuke Kanda, Toru Yaqi, Kento Kanauchi, Manami Kumada, Yasushi Yoshida, Yoshio Kasashima, Ryo Takita, Masami Sakamoto and Takashi Mino\*

#### 7439



# Molecular aptamer beacon-based dual-mode exponential isothermal amplification for microRNA detection

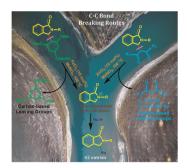
Yu Han, Xuefeng Bian, Xiao Wang, Jiaying Chen, Liu Han\* and Xin Sun\*

# **PAPERS**

#### 7448

Decarbonative routes to generate N-acyliminium ion intermediates for the synthesis of 3-substituted isoindolinones via an intermolecular amidoalkylation reaction

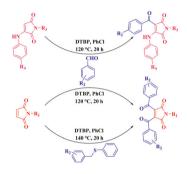
Nazir Uddin, Sudipta Roy, Santanab Giri, Gitish K. Dutta\* and Paresh Nath Chatterjee\*



#### 7456

Catalyst-free aroylation of maleimides through C<sub>sp2</sub>-H functionalization with aldehydes and benzyl phenyl sulfides

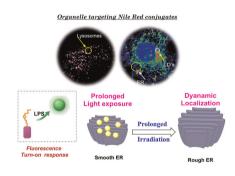
Elmira Taheri and Farnaz Jafarpour\*



#### 7465

Nile red derivatives for dual-channel organelle imaging and LPS detection

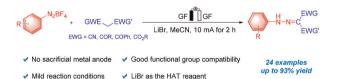
Mohini Ghorpade, Sneha Negi, Paramasivam Mahalingam and Sriram Kanvah\*



#### 7477

Electrochemical diazenylation of active methylene compounds with aryldiazonium salts: efficient synthesis of β-dicarbonyl benzoylhydrazones

Ping Lin, Zezhao Huang, Zeyao Liang, Jiahe Zhang, Li Zhu\* and Xiaoquan Yao\*



# **PAPERS**

# 7483



Cu<sub>2</sub>O-mediated regio- and stereoselective one-pot synthesis of (Z)-3-ylidenephthalides from 2-iodobenzoic acids and terminal alkynes

Ahmed R. Ali and Longgin Hu\*