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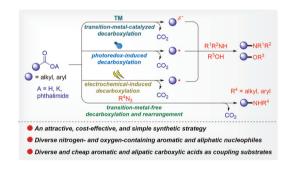
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REVIEWS

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

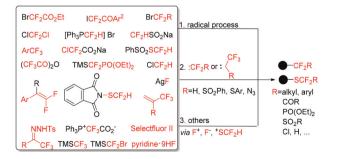
Weidan Yan, Tian Tian and Yasushi Nishihara*



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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

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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*

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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*

$$X - Y$$
 $X - Y$
 $X = S$, Se
 $Y = Phenyl, Alkyl$
 $X - Y = Phenyl, Alkyl$
 $Y - Y = Phenyl, Alkyl$

▲ 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*

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

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

COMMUNICATIONS

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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

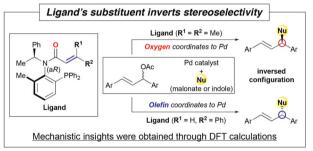
✓ Mild reaction conditions

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

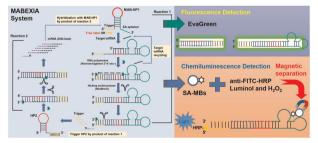
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Stereoinversion in Pd-catalyzed allylic substitution induced by modification of olefinic moiety in chiral phosphine-acrylamide ligands

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*

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

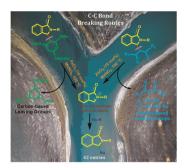
Yu Han, Xuefeng Bian, Xiao Wang, Jiaying Chen, Liu Han* and Xin Sun*

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

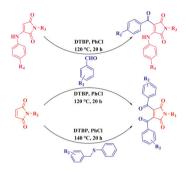
Nazir Uddin, Sudipta Roy, Santanab Giri, Gitish K. Dutta* and Paresh Nath Chatterjee*



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Catalyst-free aroylation of maleimides through C_{sp2}-H functionalization with aldehydes and benzyl phenyl sulfides

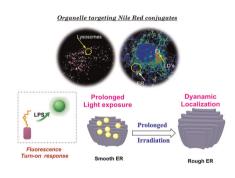
Elmira Taheri and Farnaz Jafarpour*



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

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



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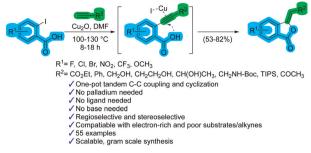
Electrochemical diazenylation of active methylene compounds with aryldiazonium salts: efficient synthesis of β-dicarbonyl benzoylhydrazones

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



PAPERS

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Cu₂O-mediated regio- and stereoselective one-pot synthesis of (Z)-3-ylidenephthalides from 2-iodobenzoic acids and terminal alkynes

Ahmed R. Ali and Longgin Hu*