

Organic & Biomolecular Chemistry

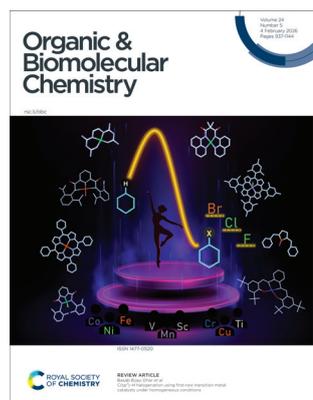
An international journal of synthetic, physical and biomolecular organic chemistry

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Cover

See Basab Bijayi Dhar *et al.*, pp. 946–968.

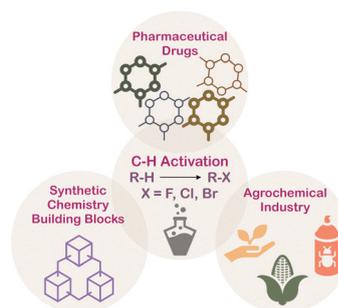
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REVIEWS

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C(sp³)-H halogenation using first-row transition metal catalysts under homogeneous conditions

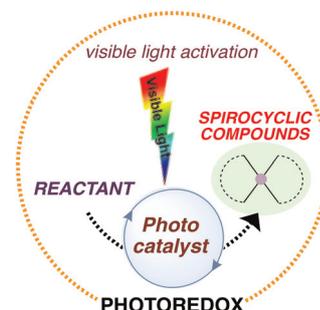
Monika, Jaipriya Khatri, Kritika Dogra, Rachana Choudhary, Sarban Kumar Yadav and Basab Bijayi Dhar*



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Visible-light induced sustainable photochemical approach for the synthesis of spirocyclic compounds

Praveen P. Singh,* Surabhi Sinha, Pallavi Singh and Vishal Srivastava*



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Fundamental questions
Elemental answers

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Synthesis of 4-amino-7-oxyindoles via dearomatization of 4-alkyl-2-alkynylanilines and dual fragment incorporation with O-benzoylhydroxylamines

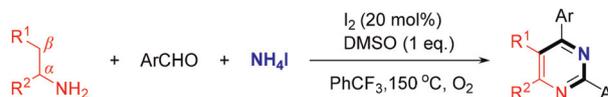
Zhengping Wu, Renhua Fan* and Qiuqin He*



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Four-component assembly of polysubstituted pyrimidines via dual C(sp³)–H functionalization of primary aliphatic amines

Kang Liu, Jiaoling Li, Sichen Xu, Xi Zhang, Xue Peng, Yao-Fu Zeng, Xinpeng Liu, Ying Peng,* Zhen Wang* and Jinjin Chen*

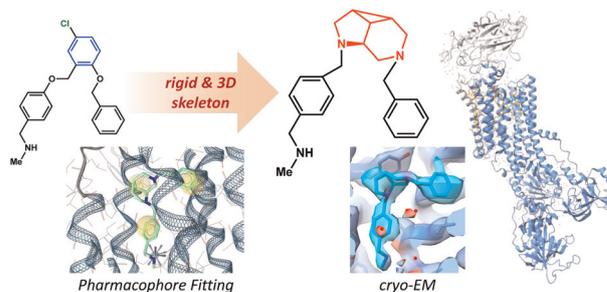


- ◆ Primary aliphatic amines as C-C-N synthons
- ◆ Dual C(sp³)–H functionalization of primary aliphatic amines
- ◆ Iodine-promoted four-component reaction

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Design, synthesis, and structural analysis of an inhibitor of the gastric proton pump with a diaza-tricyclic skeleton

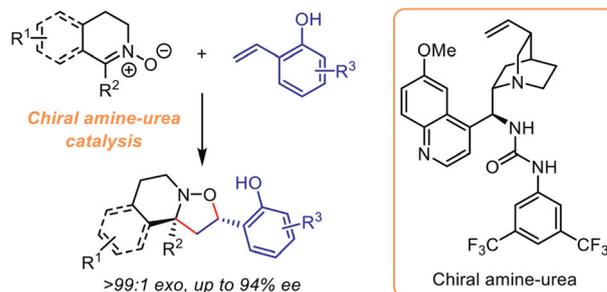
Nariyoshi Umekubo, Airi Hashizume, Haruki Saito, Satoru Kato, Chisato Kanai, Chai C. Gopalasingam, Christoph Gerle, Hideki Shigematsu, Atsushi Yoshimori,* Kazuhiro Abe* and Satoshi Yokoshima*



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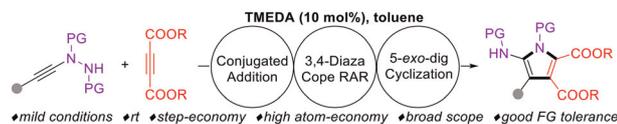
Chiral amine-urea mediated asymmetric inverse-electron-demand cycloadditions of cyclic nitrones with o-hydroxystyrenes

Yasunori Toda,* Yukinao Soma, Nobuteru Horiba, Masato Koyama, Fumiya Iwakuma, Suguru Matsumoto, Kimiya Sukegawa, Ayaka Kikuchi and Hiroyuki Suga*



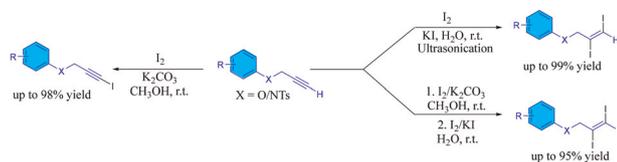
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TMEDA-catalyzed synthesis of pentasubstituted 2-aminopyrroles from ynehydrazides and dialkyl acetylenedicarboxylates

Zhiwei Zeng, Jingwei Lin, Yongchao Xie, Jiangbin Guo, Nan Ma, Jian Lei,* Jinguo Lin* and Xiaolan Xie*

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Chemoselective synthesis of multi-functionalized alkynes and alkenes via transition-metal-free iodination of terminal alkynes

Anjun Lee, Sundaram Suresh, Bo-Xun Du, Xinlun Han and Ching-Fa Yao*

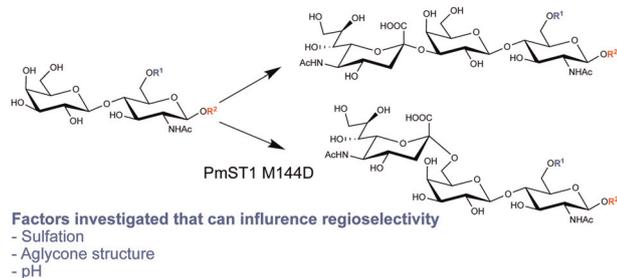
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Cu-catalyzed N–S bond coupling between hydroxylamines and sulfinic acids: rapid access to N-arylsulfonamides

Lin Zhu, Yang Wang, Han Guo, Rui Liu, Yu Wang, Meng-Yun Dang, Feng-Lan Hu, Wen-Jun Han,* Jun-Long Zhan* and Yunhe Lv

PAPERS

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Determinants of undesired α 2-6-sialoside formation by PmST1 M144D

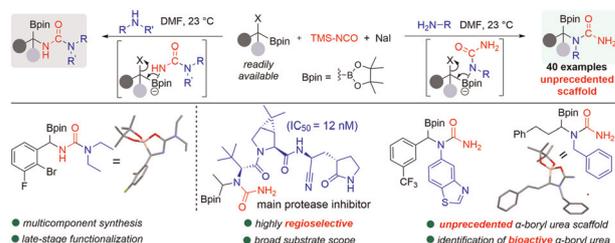
Fahima Mozaneh, Maju Joe, Warren W. Wakarchuk, Peng Wu and Matthew S. Macauley*



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Regioselective multicomponent synthesis of α -boryl ureas: discovery of a potent main protease inhibitor

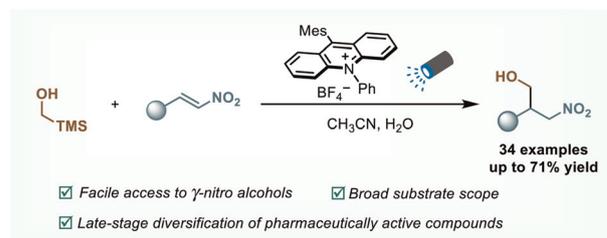
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Photoredox-catalyzed Giese reaction for the synthesis of γ -nitro alcohols

Ai-Jie He, Wen-Jie Jiang, Yan-Ping Zhang, Lei Yang, Jian-Qiang Zhao, Zhen-Hua Wang, Wei-Cheng Yuan* and Yong You*



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Oxidative nucleophilic addition of amide enolates to π -deficient aromatic and heteroaromatic ring systems

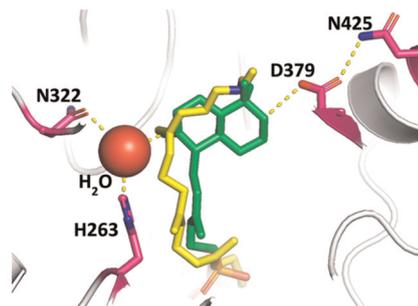
Piotr Raubo



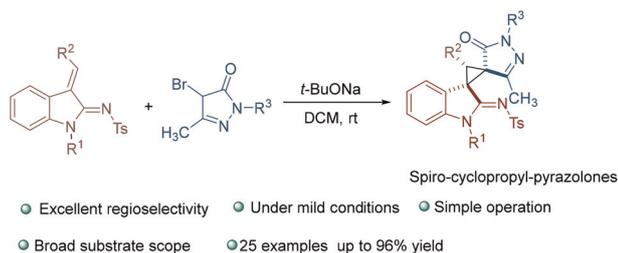
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Basic importance: mechanistic molecular modeling of the *ent*-copalyl diphosphate synthase from *Arabidopsis thaliana* (AtCPS)

Ian S. Torrence, Reuben J. Peters,* Justin B. Siegel* and Dean J. Tantillo*



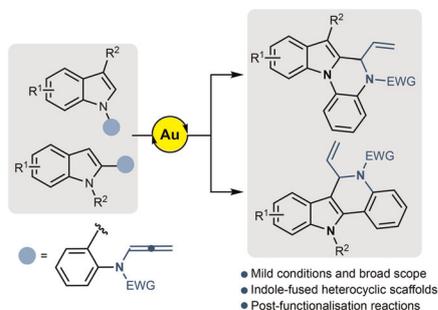
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Diastereoselective construction of spiro-cyclopropyl-pyrazoles via a [2 + 1] annulation reaction of iminoindoline-derived alkenes and 4-bromo-pyrazolones

Dan Hu, Heng Yin, Fuyu Li, Jiao He, Chenlong Deng, Lixia Liu, Wen Xia, Yulong Li* and Chenyi Li*

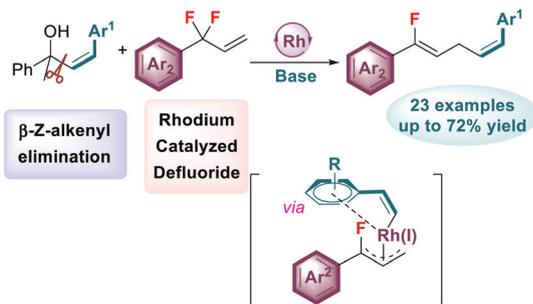
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Gold-catalysed *N*-allenamide cyclisation as a platform for the construction of indole-fused quinoxaline and quinoline scaffolds

Silvia Meraviglia, Mehri Goudarzi, Simone Borsi, Giorgio Abbiati and Valentina Pirovano*

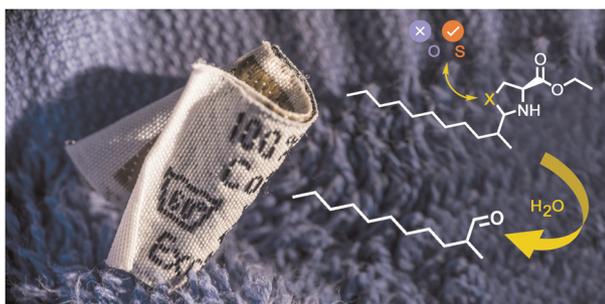
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Rhodium-catalyzed *Z*-alkenylation of *gem*-difluoropropenes: access to fluorinated (1*Z*,4*Z*)-dienes

Jiang-Min Yan, Kai-Xian Ma, Rui-Hong Chen, Xue-Mei Huang, Zi-Xin Ye, Qing-Hua Li* and Tang-Lin Liu*

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A heteroatom of difference: investigation of thiazolidine- and oxazolidine-4-carboxylates as hydrolytically cleavable profragrances

Serge Lamboley, Basile Vuichoud, Bruno Simões de Almeida and Andreas Herrmann*



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Palladium-catalyzed esterification reaction of arenes/heterocyclic carboxylic acids with difluoroallyl bromide for the efficient preparation of difluoroallyl esters

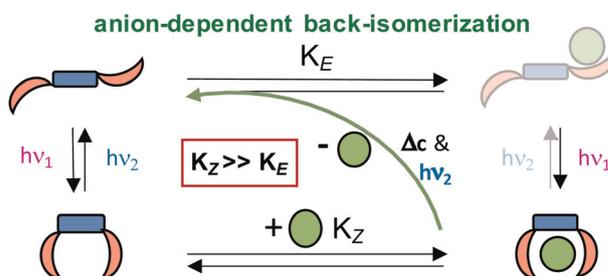
Li Chen, Yang Li,* Yun-Long Hu, Xin Chen, Mei-Ru Chen, Jin Zhang, Lan-Ting Shi and Hong Li*



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Supramolecular light-switchable triazole-hosts for photoresponsive anion binding

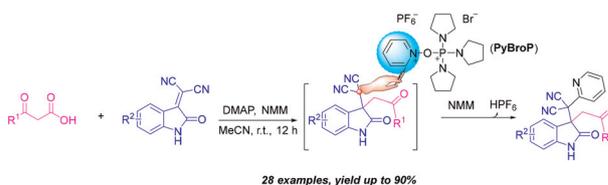
Leon Hoppmann, Leonard Wyszynski, Marcus Böckmann, Pascal Steinforth, Lukas-Maximilian Entgelmeier, Nikos Doltsinis, Olga García Mancheño* and Monika Schönhoff*



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PyBroP/base-promoted one-pot three-component sequential decarboxylative addition reaction of β -keto acids, isatylidene malononitriles and pyridine *N*-oxides

Fuzhong Han,* Yingdong Na, Lina Jia and Xiangping Hu*



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The enantioselective total synthesis of ROCK-inhibitor (*S*)-Netarsudil (Rhopressa) via asymmetric organocatalysis

Ruslan A. Kovalevsky, Alexander S. Kucherenko* and Sergei G. Zlotin*

