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An international journal of synthetic, physical and biomolecular organic chemistry

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## IN THIS ISSUE

ISSN 1477-0520 CODEN OBCRAK 21(31) 6233–6428 (2023)



### Cover

See Yvan Six *et al.*,  
pp. 6325–6341.

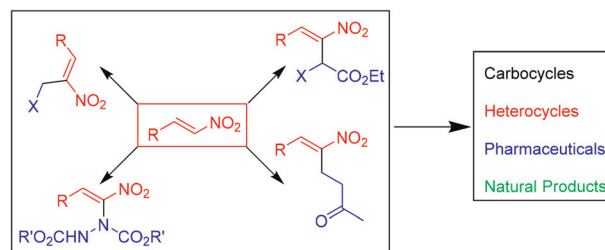
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*Org. Biomol. Chem.*, 2023,  
21, 6325.

## REVIEWS

6243

### Recent advances in the synthetic applications of Morita–Baylis–Hillman and Rauhut–Currier adducts of nitroalkenes

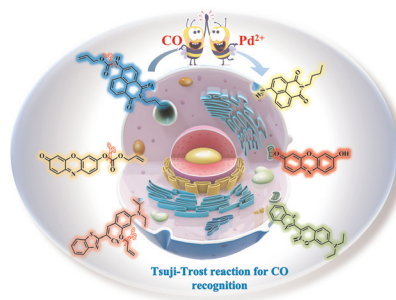
Sudheesh T. Sivanandan, Divya K. Nair and  
Irishi N. N. Namboothiri\*



6263

### The emergence and advancement of Tsuji–Trost reaction triggered carbon monoxide recognition and bioimaging

Bidisha Biswas,\* Snata Deka, Prosenjit Mondal and  
Subrata Ghosh\*



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Organic & Biomolecular Chemistry (electronic: ISSN 1477-0539) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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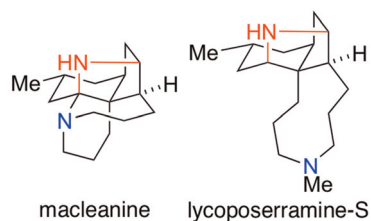


## COMMUNICATIONS

6289

**Total syntheses of macleanine and lycoposerramine-S**

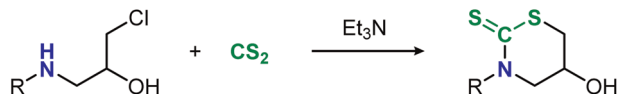
Masahiro Okuyama, Nariyoshi Umekubo, Kenta Akimoto, Takahisa Shimizu, Kazuhiro Kubokoya, Nagayasu Nakajima, Yoshitake Nishiyama and Satoshi Yokoshima\*



6293

**Base-mediated synthesis of cyclic dithiocarbamates from 1-amino-3-chloropropan-2-ol derivatives and carbon disulfide**

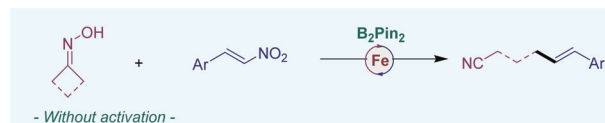
Yasunori Toda,\* Masaya Iwasaki and Hiroyuki Suga



6298

**Diboron-promoted iron-catalyzed denitrative vinylation of  $\beta$ -nitrostyrenes with cycloketoximes**

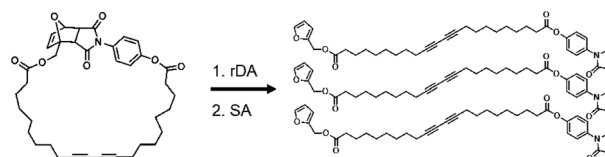
Dingcheng Shi, Xingxuan Xia, Binlin Zhao\* and Yu Yuan\*



6302

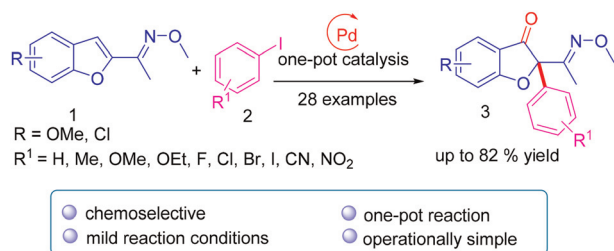
**Retro Diels–Alder-triggered self-assembly of a polymerizable macrocyclic diacetylene**

Jung-Moo Heo, Jaeyoung Park and Jong-Man Kim\*



## COMMUNICATIONS

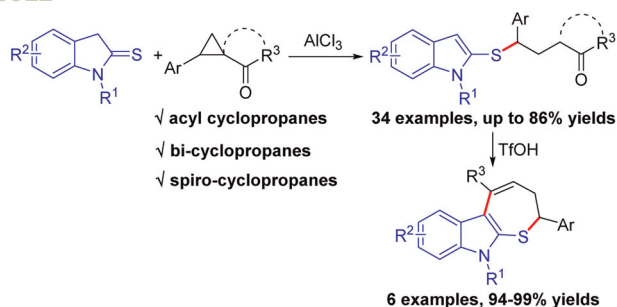
6307



### Synthesis of (*E*)-2-(1-(methoxyimino)ethyl)-2-phenylbenzofuran-3(2*H*)-ones from (*E*)-1-(benzofuran-2-yl)ethan-1-one *O*-methyl oximes and iodobenzenes via a palladium-catalyzed dearomative arylation/oxidation reaction

Wen-Jing Zhu, Xiao Yu, Hong-Yan Liu, Yi Liu, Jin-Bo Zhao, Peng-Fei Zhang, Cheng-Cai Xia\* and Fu-Rong Li\*

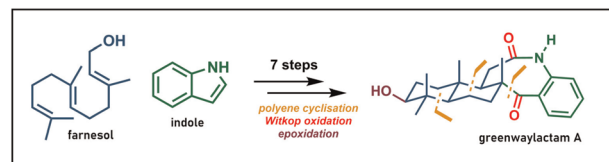
6312



### $\text{AlCl}_3$ -mediated ring-opening reactions of indoline-2-thiones with acyl cyclopropanes, bi-cyclopropanes and spirocyclic cyclopropanes

Hao-Jie Ma, Ke Gao, Xue-Long Wang, Jun-Yi Zeng, Yi Yang and Yan Jiang\*

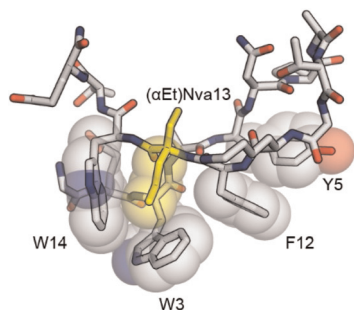
6317



### A biomimetic approach for the concise total synthesis of greenwaylactams A–C

Nicolas Kratena,\* Matthias Weil and Peter Gärtner

6320



### Effects of chirality and side chain length in $\text{C}_{\alpha,\alpha}$ -dialkylated residues on $\beta$ -hairpin peptide folded structure and stability

Shelby L. Heath, W. Seth Horne and George A. Lengyel\*




## Bicyclic *N*-dihalocyclopropylamide derivatives as precursors of nitrogen-containing fused polycyclic systems

Chemical reaction scheme showing the ring expansion and cyclisation of a bicyclic amide. The starting material is a bicyclic amide with a p-aryl group (Ar) and substituents X and R. It undergoes ring expansion and cyclisation to form four different polycyclic products, each with a different ring size (5, 6, 6, 7) and a different number of fused rings (5, 6, 6, 7).

Diastereoselective construction of carbo-bridged polyheterocycles by a three-component tandem annulation reaction

# Mechanochemical asymmetric three-component Mannich reaction involving unreactive arylamines

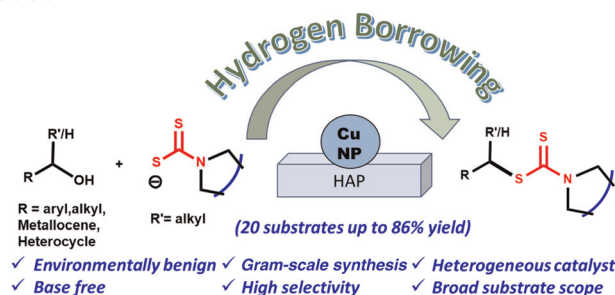

  
 EWG = NO<sub>2</sub>, CN, CF<sub>3</sub>, CO<sub>2</sub>H, CO<sub>2</sub>CH<sub>3</sub>, OCF<sub>3</sub>, F
   
 20 examples up to 80% yield
   
 up to 99% ee, 76.24 dr
   
**1a**

## Glycosyl benzoates as novel substrates for glycosynthases

Chemical reaction scheme showing the glycosylation of a substituted phenol with a sugar derivative catalyzed by HorGH1 E166A. The sugar derivative is a glucose derivative with a benzoyl group at the C2 position. The phenol is a substituted phenol with a substituent X (X = O, S) and a substituent R. The product is a glycoside where the sugar is linked to the phenol via an X group.

## PAPERS

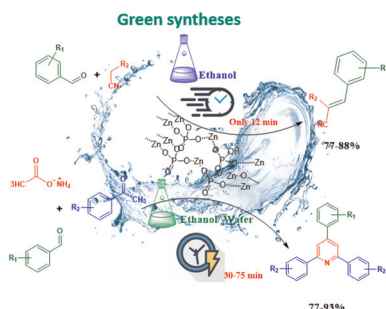
6360



### S-Alkylation of dithiocarbamates via a hydrogen borrowing reaction strategy using alcohols as alkylating agents

Hima P, Spandan Hati and Raju Dey\*

6368



### Efficient synthesis of symmetrically substituted pyridines and substituted alkenes through green and heterogeneous catalysis with zinc phosphate

Achraf El Hallaoui,\* Youssef Merroun, Soukaina Chehab, Said Boukhris, Hicham Hassoune, Rachida Ghailane and Abdelaziz Souizi

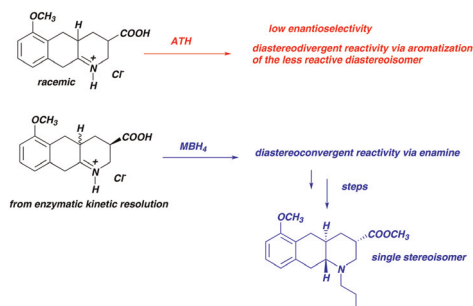
6379



### ipso-Cyclization of unactivated biaryl ynones leading to thio-functionalized spirocyclic enones

Chada Raji Reddy,\* Uprety Ajaykumar, Amol D. Patil and Remya Ramesh

6389



### Development of an asymmetric formal synthesis of (–)-quinagolide via enzymatic resolution and stereoselective iminium ion reduction

Lucrezia Margherita Comparini, Andrea Menichetti, Lucilla Favero, Sebastiano Di Pietro, Fabrizio Badalassi, Per Ryberg\* and Mauro Pineschi\*



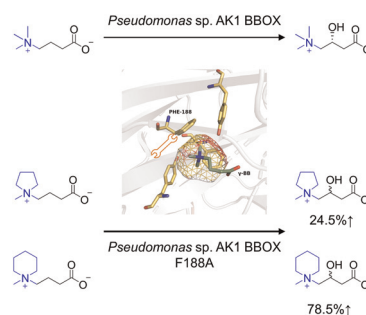


## PAPERS

6397

### New small-molecule alcohol synthesis by breaking the space limitation of the "aromatic cage" in *Pseudomonas* sp. AK1 BBOX

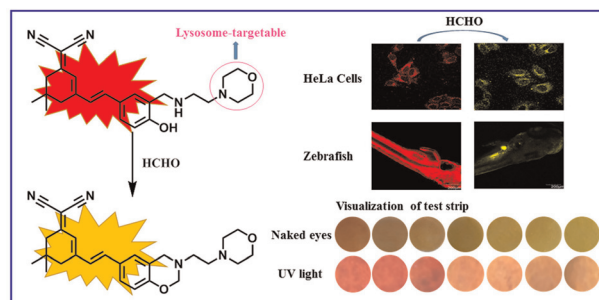
Zhiqin Xu, Yaling Mo, Zhengwen Li, Shurong Ban\* and Heng Song\*



6405

### A lysosome-targetable fluorescent probe for the ratiometric detection of formaldehyde in living cells and *in vivo*

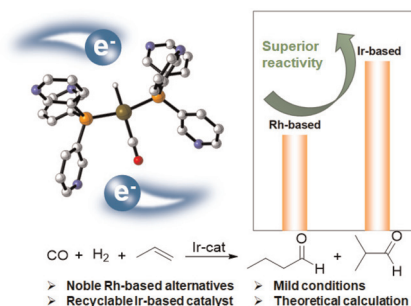
Hai Xu, Long-Zhou Xu, Rui-Ping Huai, Chen Zhang, Sheng-Nan Suo, Ya-Qian Li, Yu Peng\* and Ya-Wen Wang\*



6410

### Iridium–phosphine ligand complexes as an alternative to rhodium-based catalysts for the efficient hydroformylation of propene

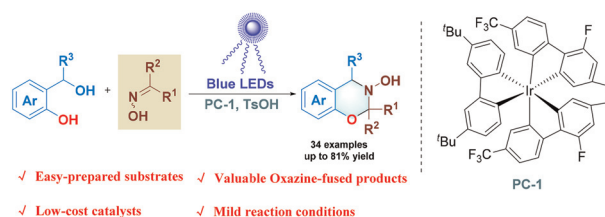
Chenfei Yao, Wenjie Xiong, Haining Sun, Chenzhou Li, Youting Wu, Zhibing Zhang\* and Xingbang Hu\*



6419

### Visible-light-catalyzed synthesis of 1,3-benzoxazines *via* formal [4 + 2] cycloaddition of oximes with *o*-hydroxybenzyl alcohols

Zhenjie Qi,\* Zhenyu An, Bingbing Huang, Mingzhong Wu, Quansen Wu and Dongfang Jiang\*



## RETRACTION

6424

**Retraction: Deoxygenative cross-electrophile coupling of benzyl chloroformates with aryl iodides**

Yingying Pan, Yuxin Gong, Yanhong Song, Weiqi Tong and Hegui Gong\*

## CORRECTION

6425

**Correction: Mechanochemical asymmetric three-component Mannich reaction involving unreactive arylamines**

Xiaoyun Hu,\* Kang Li and Huiting Yu

