

# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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## IN THIS ISSUE

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### Cover

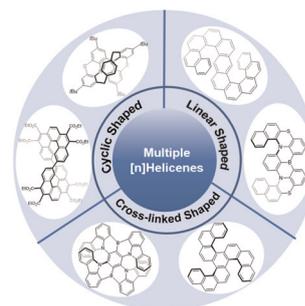
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## REVIEWS

7501

### Recent advances in the synthesis of multiple helicenes

Zhen Chen, Wei-Chen Guo and Chuan-Feng Chen\*



7521

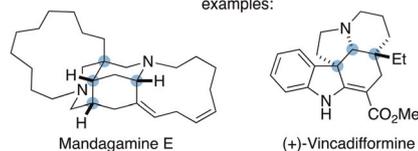
### Thiourea and squaramide organocatalysts for the asymmetric total synthesis of natural compounds

Márcia Rénio and M. Rita Ventura\*

#### Chiral thiourea and squaramide organocatalysts



For the asymmetric total synthesis of natural compounds examples:



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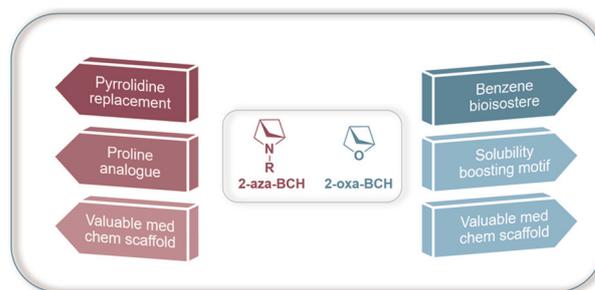
Fundamental questions  
Elemental answers

## REVIEWS

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### Building bridges from flatland: synthetic approaches and applications of 2-aza- and 2-oxa-bicyclo[2.1.1]hexanes

David M. Whalley,\* Olivier Lorthioir,\* Susannah C. Coote and Niall A. Anderson

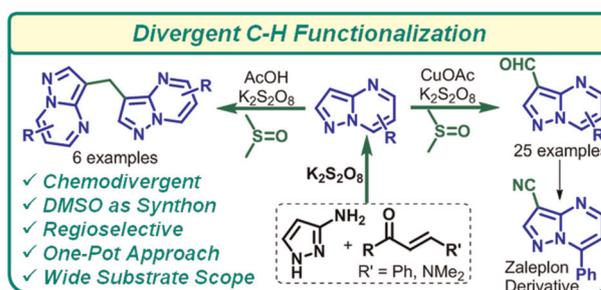


## COMMUNICATIONS

7566

### Divergent synthesis of 3-formylpyrazolo[1,5-*a*]pyrimidines and methylene-bridged bis(pyrazolo[1,5-*a*]pyrimidines) using DMSO as a single carbon synthon

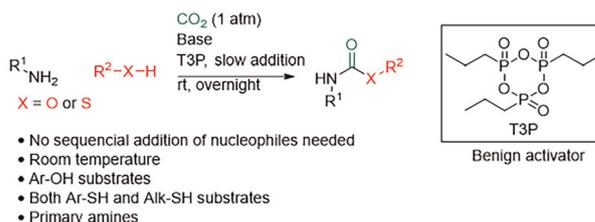
Papiya Sikdar, Sourav Das, Sheetal Saini, Sanghapal D. Sawant and Avik Kumar Bagdi\*



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### Synthesis of linear *O*-aryl carbamates and *S*-thiocarbamates via benign T3P-mediated condensation of phenols and thiols with amines and carbon dioxide

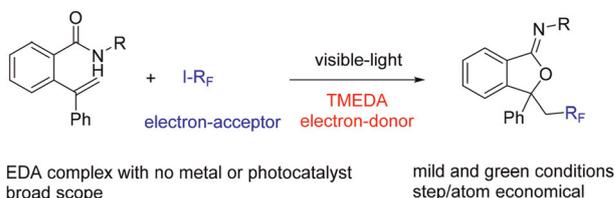
Jukka Puumi, Jere K. Mannisto and Timo Repo\*



7576

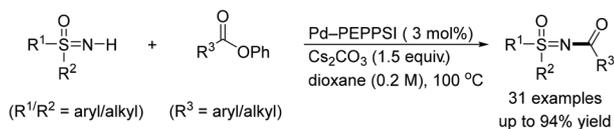
### A visible-light-promoted perfluoroalkylation/cyclization cascade towards perfluoroalkyl-substituted iminoisobenzofurans using the EDA complex

Zilin Liu, Shuo Gao, Mingxi Hu, Zhen-Hua Zhang,\* Pifeng Wei\* and Mengmeng Zhao\*



## COMMUNICATIONS

7584

**Pd-NHC-catalyzed *N*-acylation of sulfoximines with aromatic esters**

Yuanfang Zhong\* and Linjie Yang

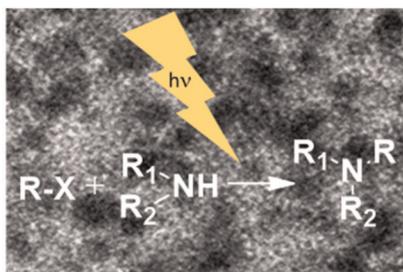
7588

**The direct synthesis of 5-selenotetrazoles *via* an electrochemical three-component reaction between isonitriles, diselenides and TMSN<sub>3</sub>**

Ruizong Wang, Bin Song, Feng Zhao, Pengxiang Gao, Bingcheng Hu\* and Chong Zhang\*

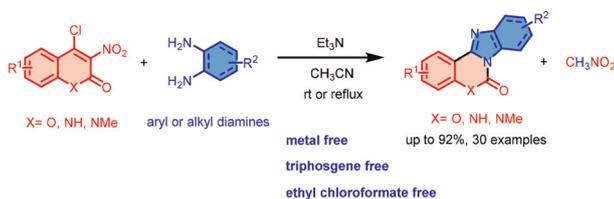
## PAPERS

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**Photocatalytic C-N cross coupling reaction****Visible light driven C–N cross-coupling reactions catalysed by a conjugated polymer network**

Anshuman, Raj Laxmi, Renu Mishra and Biplab K. Kuila\*

7605

**A nitromethane extrusion reaction for the synthesis of polycyclic benzimidazoheterocycles**

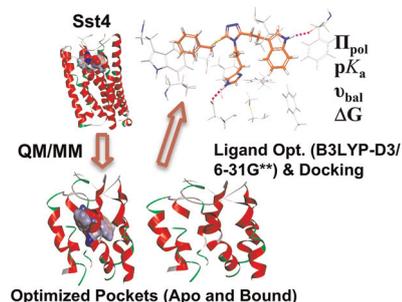
Pin-Hui Lin, Kesavan Stalindurai, Si-Yuan Chen, Teau-Jiuan Liou\* and Ding-Yah Yang\*



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### Elucidating structural and molecular requirements of somatostatin subtype-4 agonist bound complexes using quantum mechanics approaches

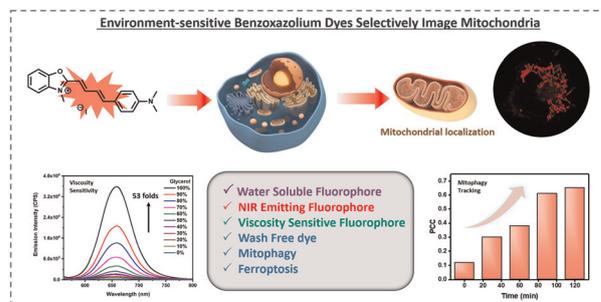
Olivia Slater and Maria Kontoyianni\*



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### Styryl benzoxazolium salts as environment-sensitive mitochondrial probes for imaging ferroptosis

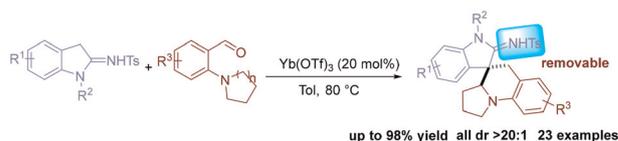
Vijay Sai Krishna Cheerala, Shabnam Mansuri, Prateek Sarkar, Deeksha Rajput and Sriram Kanvah\*



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### Diastereoselective construction of structurally diverse polycyclic spiroindolenines via Yb(OTf)<sub>3</sub>-catalyzed cascade [1,5]-hydride transfer/cyclization

Song Hu, Dan Hu, Jianming Xu, Jian Wang, Heng Yin, Ying Xie, Yulong Li\* and Chenyi Li\*



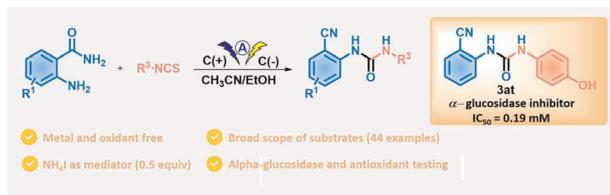
7638

### Dimethyl(methylthio)sulfonium salt triggered dithiocarbamation of alkenes with CS<sub>2</sub> and amines

Sha Peng, Cheng-Mei Qi,\* Li-Mei Duan, Ding Luo, Lu-Can Cheng, Si-Si Tian, Li-Hua Yang\* and Long-Yong Xie\*



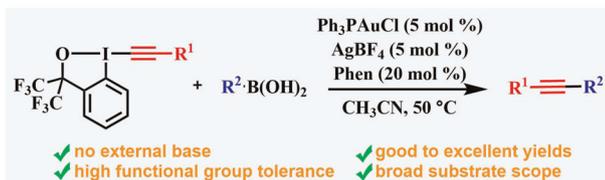
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### A mild synthesis of *o*-ureidobenzonitrile derivatives via iodide-mediated electrolysis from 2-aminobenzamides

Khuyen Thu Nguyen, Thao Nguyen Thanh Huynh, Thanyaporn Kostphan, Khoa Anh Nguyen, Permsak Chairat, Preecha Phuwapraisiran, Patchanita Thamyongkit, Mongkol Sukwattanasinitt and Sumrit Wacharasindhu\*

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### Gold-catalyzed umpolung Sonogashira-type coupling of boronic acids with alkynyl iodine(III) reagents

Dan Xiao, Huanjun Zhang, Junxiao Huo, Qin Zhou, Chunyu Han\* and Jinhua Yang\*

