

# Organic & Biomolecular Chemistry

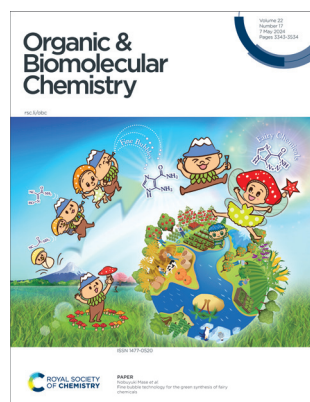
An international journal of synthetic, physical and biomolecular organic chemistry

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## IN THIS ISSUE

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### Cover

See Nobuyuki Mase *et al.*,  
pp. 3396–3404.

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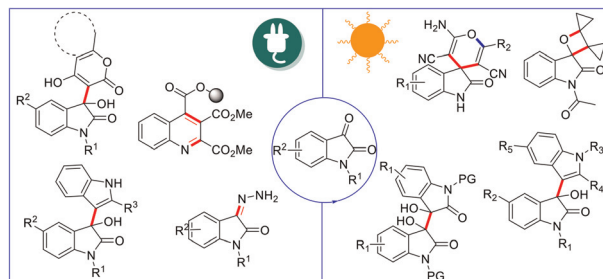
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from *Org. Biomol. Chem.*,  
2024, **22**, 3396.

## REVIEW

3352

### Electrochemical and photochemical reaction of isatins: a decade update

Nandini M. Gotgi, J. Saurab Jain, Rita Pal\* and  
Debashis Ghosh\*

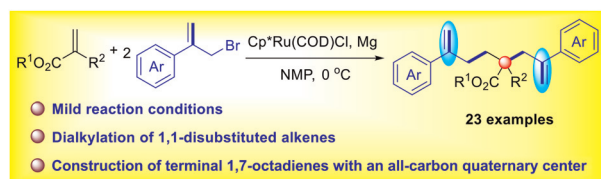


## COMMUNICATIONS

3376

### Ru–Mg promoted reductive cross-coupling of allyl bromides and alkenes to synthesize 1,7-octadienes with an all-carbon quaternary center

Shurong Zhang, Xinjie Zhao and Guiping Qin\*



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# RSC Applied Polymers

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**Fundamental questions  
Elemental answers**

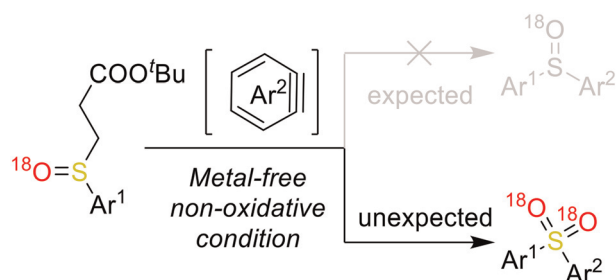


## COMMUNICATIONS

3381

**Generation of sulfones utilizing  $\beta$ -sulfinyl esters as masked aryl sulfinates under redox-neutral conditions**

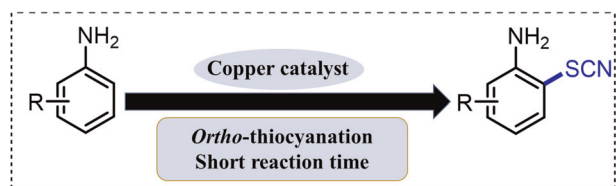
Yixin Zhang, Zhu Yang, Hongjun Yang, Xuefeng Li and Lu Yang\*



3386

**Copper-catalyzed *ortho*-thiocyanation of aromatic amines**

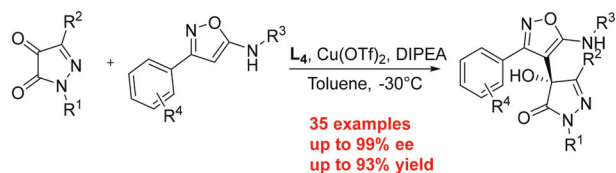
Monak Patel, Nitish Kumar, Hussain Bhukya, Bharatkumar Z. Dholakiya and Togati Naveen\*



3391

**A copper-catalyzed asymmetric Friedel–Crafts hydroxyalkylation of pyrazole-4,5-diones with 5-aminoisoxazoles**

Siyu Gao, Xiang Sun, Sijie Peng, Zhenggen Zha, Qi Sun\* and Zhiyong Wang\*

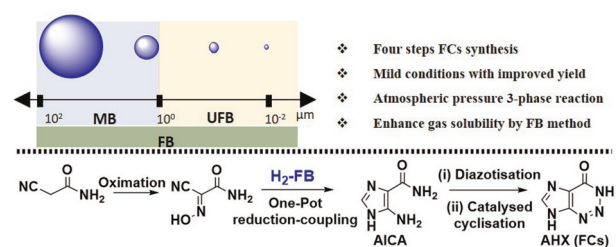


## PAPERS

3396

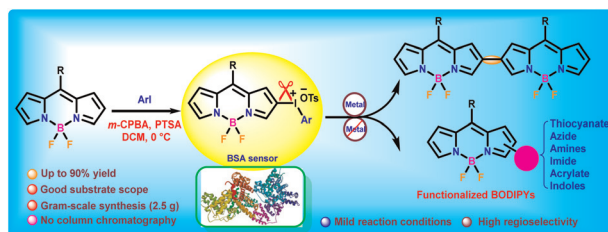
**Fine bubble technology for the green synthesis of fairy chemicals**

Arun Kumar Manna, Mizuki Doi, Keiya Matsuo, Hiroto Sakurai, Ch. Subrahmanyam, Kohei Sato, Tetsuo Narumi and Nobuyuki Mase\*



## PAPERS

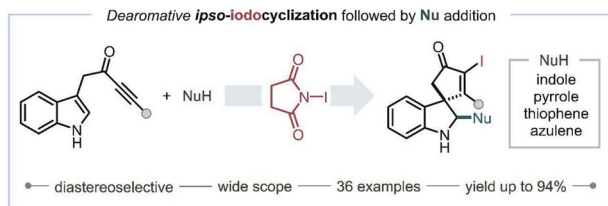
3405



### BODIPY(aryl)iodonium salts in the efficient synthesis of diversely functionalized BODIPYs and selective detection of serum albumin

Bintu Kumar, Anindita Bhatta, Prakriti Saraf, Taur Prakash Pandurang, Krishnan Rangan, Madhushree Sarkar, Sivaprasad Mitra\* and Dalip Kumar\*

3415



### Diastereoselective synthesis of functionalized spiroindolines via intramolecular *ipso*-iodocyclization/nucleophile addition cascade reactions of indole-tethered ynone

Debojyoti Bag and Sanghapal D. Sawant\*

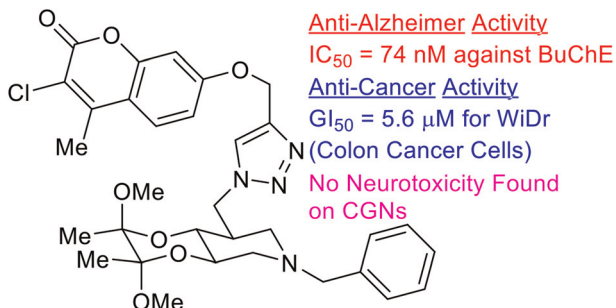
3420



### Photoinduced decatungstate-catalyzed C(sp³)-H thioetherification by sulfonate salts

Pengcheng Li, Jia-Lin Tu, Ao-Men Hu, Lin Guo, Chao Yang\* and Wujiong Xia\*

3425



### Coumarin-azasugar-benzyl conjugates as non-neurotoxic dual inhibitors of butyrylcholinesterase and cancer cell growth

I. Caroline Vaaland Holmgard, Aday González-Bakker, Eleonora Poeta, Adrián Puerta, Miguel X. Fernandes, Barbara Monti, José G. Fernández-Bolaños, José M. Padrón\*, Óscar López\* and Emil Lindbäck\*

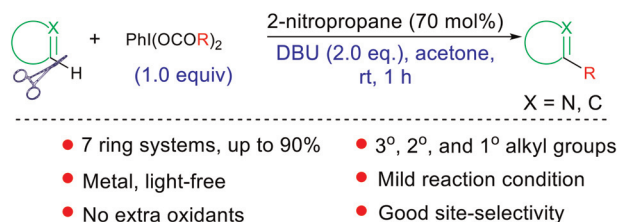


## PAPERS

3439

## Metal- and light-free decarboxylative direct C–H alkylation of heteroarenes at room temperature

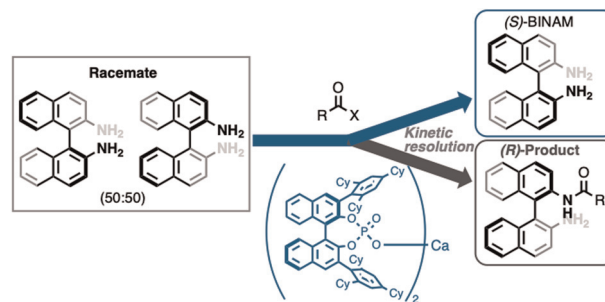
Tong-Bo Zhang, Xi-Dong Guan, Yan Gao, Shi-Chao Lu\* and Bing-Long Li\*



3444

## Kinetic resolution of 1,1'-binaphthyl-2,2'-diamine derivatives by chiral calcium phosphate-catalyzed acylation

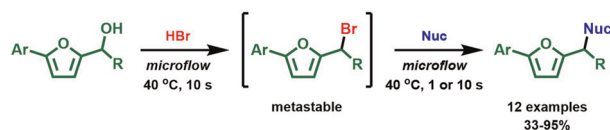
Tatsuhiro Uchikura, Yuki Kanno, Yukino Fukuda, Mikoto Sato and Takahiko Akiyama\*



3448

Rapid *in situ* generation of 2-(halomethyl)-5-phenylfuran and nucleophilic addition in a microflow reactor

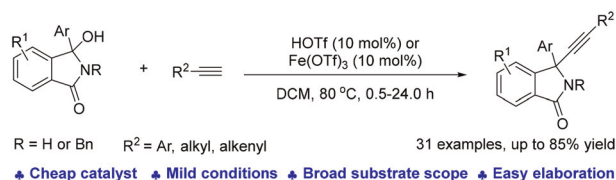
Yuma Matsuura and Shinichiro Fuse\*



3453

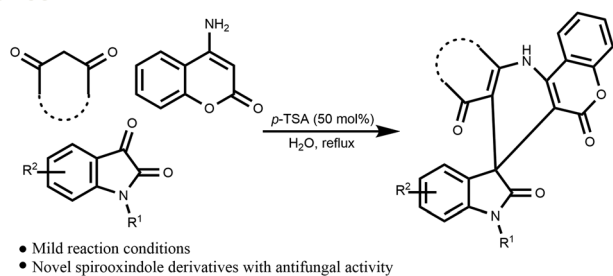
## Dehydrative alkynylation of 3-hydroxyisoindolinones with terminal alkynes for the synthesis of 3-alkynylated 3,3-disubstituted isoindolinones

Kai-Cheng Yang, Shi-Lu Zheng, Zhong Wen, Yu-Shan Zhang, Hai-Liang Ni and Long Chen\*



## PAPERS

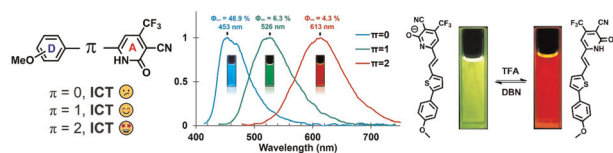
3459



### A water mediated multicomponent reaction for the synthesis of novel spirooxindole derivatives and their antifungal activity

Min Zhang, Liang Shi, Li Chen, Zhengyu Liu, Ting Zhao, Chunyin Zhu\* and Liuqing Yang\*

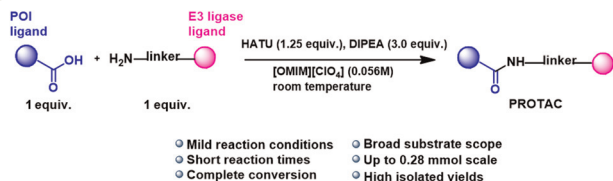
3468



### New 2-pyridone-based donor–acceptor dyes: the effect of the donor group position, type of $\pi$ -linker and acid–base characteristics of the medium on the photophysical properties

Saveliy P. Sorokin,\* Mikhail Yu. Ilevlev and Oleg V. Ershov

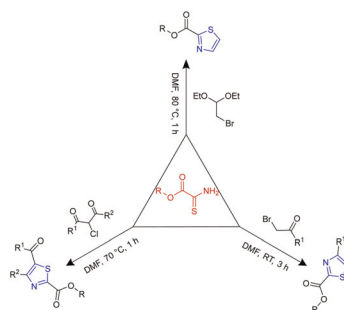
3477



### Use of ionic liquids in amidation reactions for proteolysis targeting chimera synthesis

Michela Eleuteri,\* Jenny Desantis, Gabriele Cruciani, Raimondo Germani and Laura Goracci

3490



### An efficient synthesis of mono-, di-, and tri-substituted 1,3-thiazoles employing functionalized thioamides as thiocarbonyl precursors

Kalleshappa Sheela, Chikkappaiahnayaka Santhosh, Krishna Ravi Singh, Kalleshappa Sharath and Maralinganadoddi P. Sadashiva\*

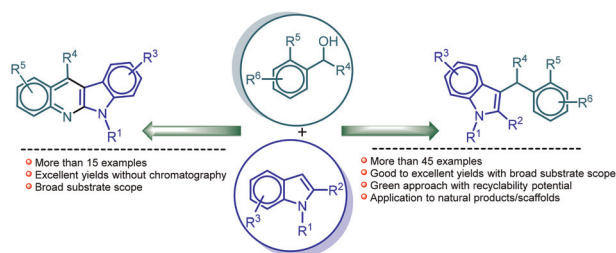


## PAPERS

3502

HFIP-mediated C-3-alkylation of indoles and synthesis of indolo[2,3-*b*]quinolines & related natural products

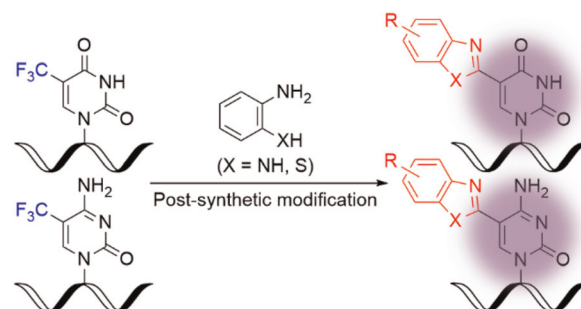
Auqib Rashid, Waseem I. Lone, Preeti Dogra, Showkat Rashid\* and Bilal A. Bhat\*



3510

Synthesis of fluorescent 5-heteroarylpyrimidine-containing oligonucleotides *via* post-synthetic trifluoromethyl conversion

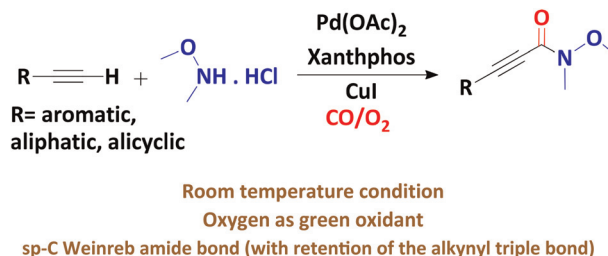
Yuta Ito, Hisato Tanaka, Ayana Murakami, Yasufumi Fuchi and Yoshiyuki Hari\*



3518

The synthesis of alk-2-ynl Weinreb amides *via* Pd/Cu-catalysed oxidative carbonylation of terminal alkynes

Bharati Mourya, Sandip T. Gadge\* and Bhalchandra M. Bhanage\*



3523

## A rhodium-catalyzed cascade C–H activation/annulation strategy for the expeditious assembly of pyrrolidinedione-fused 1,2-benzothiazines

Yinsong Wu, Guanghao Shi, Yanan Liu, Yangzilin Kong, Mengdi Wu, Demao Wang, Xiaobing Wu,\* Yongjia Shang\* and Xinwei He\*

