

Organic & Biomolecular Chemistry

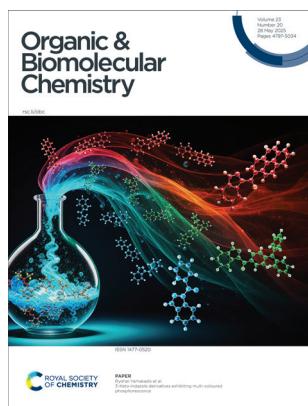
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Cover

See Ryohei Yamakado *et al.*,
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REVIEWS

4808

Recent advances in the synthesis of 3,4-fused tricyclic indoles

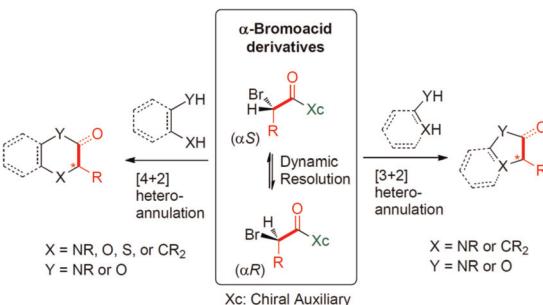
Tetsuhiro Nemoto,* Shingo Harada, Takahito Kuribara
and Shinji Harada



4828

Configurationally labile α -bromoacid derivatives for asymmetric preparation of heterocycles

Sumin Lee and Yong Sun Park*



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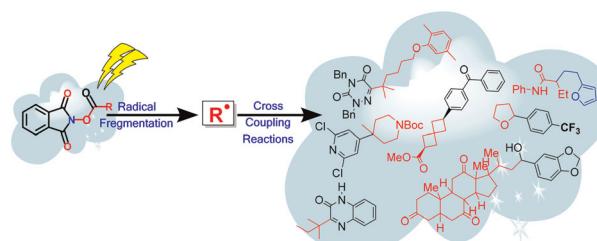
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REVIEWS

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Recent advances in electrochemical utilization of NHPI esters

Bhawana Jat, Dinesh K. Yadav, Satpal Singh Badsara* and Siddharth Sharma*

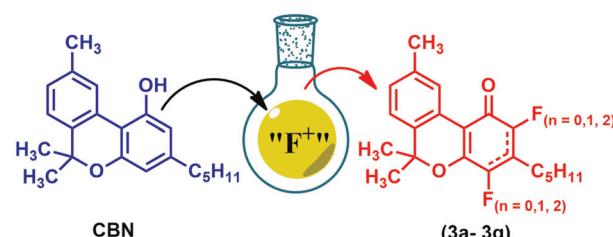


COMMUNICATIONS

4855

Electrophilic fluorination of cannabinol (CBN)

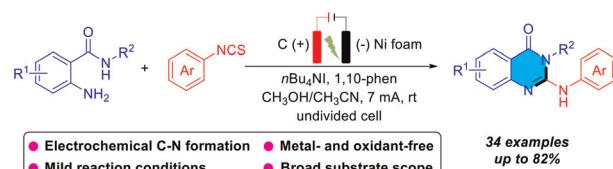
Urvashi, Melvin Druelinger,* John Hatfield and Kenneth J. Olejar*



4860

TBAI-mediated electrochemical oxidative synthesis of quinazolin-4(3*H*)-ones from 2-aminobenzamides and isothiocyanates

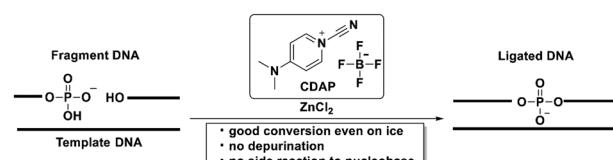
Jingbin Huang, Yafeng Liu, Yu Huang, Xiuli Wu, Xiao-Bing Lan, Jian-Qiang Yu, Wenzhe Li, Ping Zheng,* Jian Zhang* and Zhenyu An*



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Facile DNA chemical ligation under mild conditions enabled by 1-cyano-4-(dimethylamino)pyridinium tetrafluoroborate (CDAP)

Hiroki Yamada, Yasuaki Kimura, Hiroshi Abe and Junichiro Yamamoto*



COMMUNICATIONS

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**Synthesis of 2-acetylneoviosamine derivatives by hydrogenolytic cleavage of a spirocyclopropane**

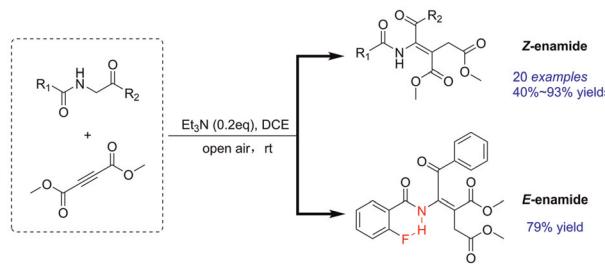
Maruan D. Salim, Isabella Ferrara, Olivier Blacque and Karl Gademann*

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**Claisen rearrangement enabled efficient access to biaryl phenols**

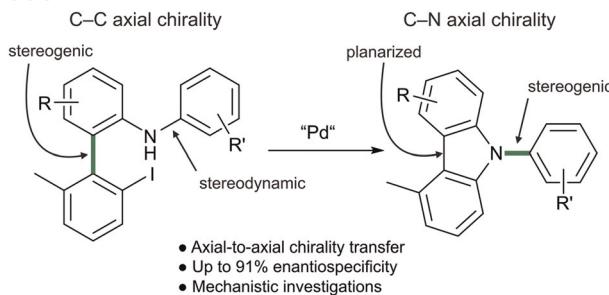
Ke Yu, Tongxiang Cao* and Shifa Zhu*

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**Hydrogen-bonding-controlled stereospecific synthesis of Z-enamides**

Xiaoyu Zhang, Xiangyu Lu, Yajun Zou, JiaJia Lang, Yingwei Wang* and Gang Zhao*

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**Asymmetric synthesis of C–N axially chiral carbazoles via axial-to-axial chirality transfer**

Sebastian Myllek, Philip Lencer, Moritz K. T. Klischan, Birgit Henssen, Philipp Neudecker, Martin Breugst* and Jörg Pietruszka*

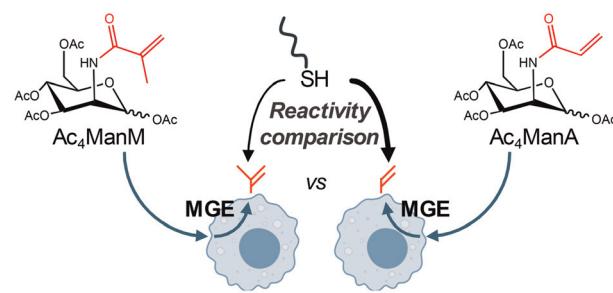


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Efficient thiol–ene click reactions of acryloyl-labeled carbohydrates on mammalian cell surfaces

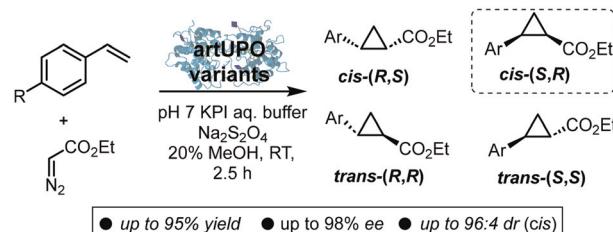
Yasuhiko Iwasaki,* Yuto Tabe, Ryosuke Tanaka and Yota Okuno



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Cyclopropanation reactions by a class I unspecific peroxygenase

Jiacheng Li, Katy A. S. Cornish, Balázs Pogrányi, Benjamin Melling, Jared Cartwright, William P. Unsworth* and Gideon Grogan*

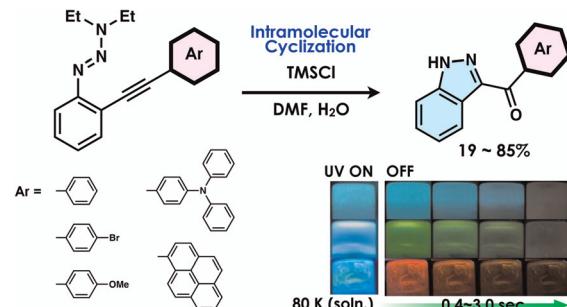


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3-Keto-indazole derivatives exhibiting multi-coloured phosphorescence

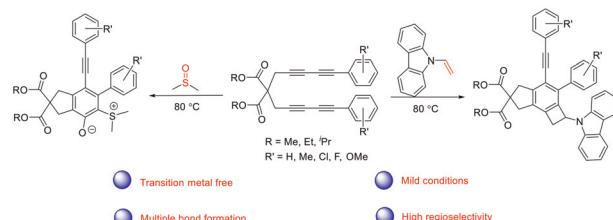
Tetsuya Moriyama, Ryota Kobayashi, Takayuki Chiba, Shuji Okada and Ryohei Yamakado*



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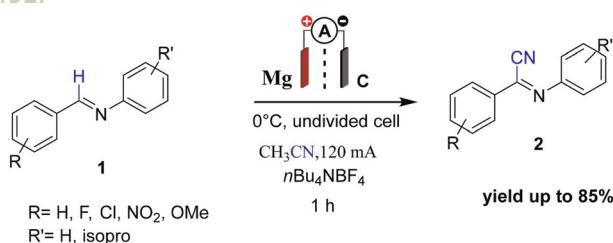
Convenient one-step construction of fused or zwitterionic indanes from tetracynes

Chencheng Liu, Yao Tong, Fenhua Wang* and Qinghai Li*



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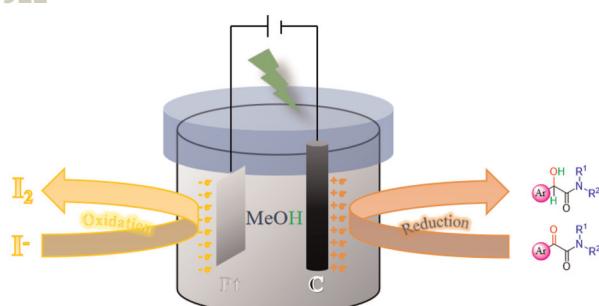
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C–H bond cyanation: electrochemical synthesis of phenylbenzimidoyl cyanide derivatives

Najoua Sbei,* Seyfeddine Rahali and Nisar Ahmed*

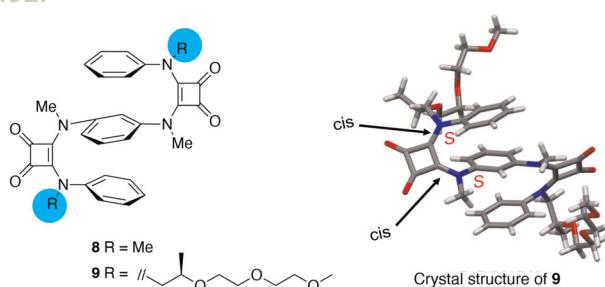
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Electrochemical regioselective reduction of α -keto amides with methanol as a hydrogen source

Jin-Jin Zhang, Jing-Hong Wang, Ya-Hui Sang,
Hai-Juan Qin, Chao Chen and Wei Liu*

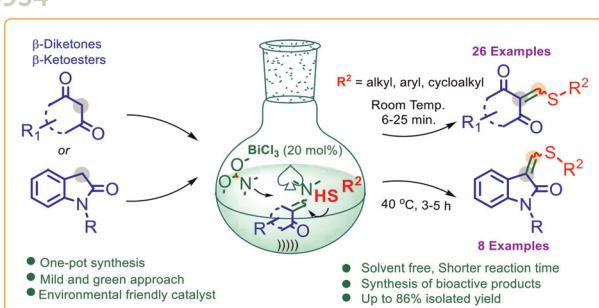
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An aromatic layered foldamer based on a (*cis, cis*)-squaramide: chiral induction and absolute structure

Kazusa Kuyama, Fumi Takeda, Ayano Ikeda,
Kimiko Tanaka, Kosuke Katagiri, Masatoshi Kawahata,
Yusuke Okada, Nagao Kobayashi,* Hiroyuki Kagechika
and Aya Tanatani*

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Bismuth(III)chloride catalyzed one-pot synthesis of thienol ethers from 1,3-dicarbonyls/2-oxindoles under ultrasonic irradiation

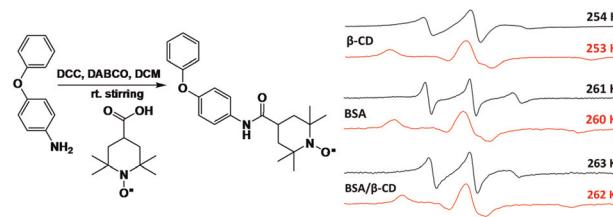
Bhoomikaben Panchal, Bhaveshkumar Panchal,
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Interaction of *N*-acyl derivative of 4-phenoxyaniline spin label with bovine serum albumin in water and in trehalose solution

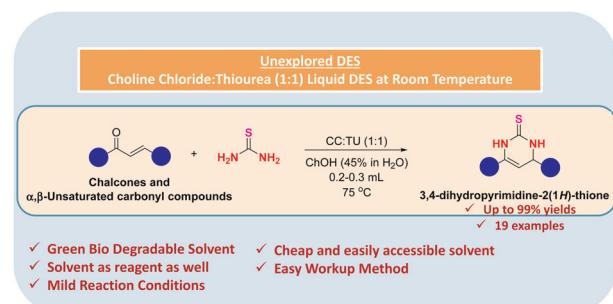
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4951

Unveiling the choline chloride–thiourea (1 : 1) DES as a greener medium and reagent for pyrimidinethione synthesis from α,β-unsaturated carbonyl compounds

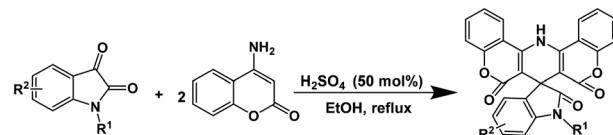
Apeksha Singhal, Ankit Yadav, Shashwat Vashisht, Khushi Tyagi, T. M. Rangarajan* and Sharda Pasricha*



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Novel indolespiro bicoumarins: synthesis and their antifungal activity

Zhengyu Liu, Qihe Liu, Li Chen, Yukang Liu, Ting Zhao, Liuqing Yang, Min Zhang* and Changsheng Yao*

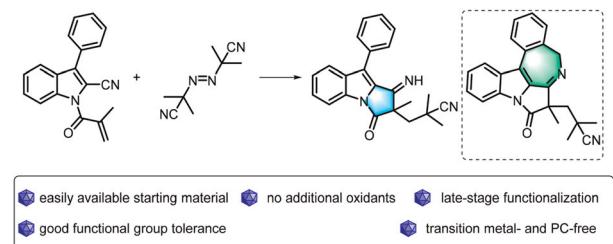


- ◆ Efficient and fast reaction, high yielding
- ◆ Wide range of reaction substrates
- ◆ Convenient purification without chromatography
- ◆ Novel indolespiro bicoumarins with antifungal activity

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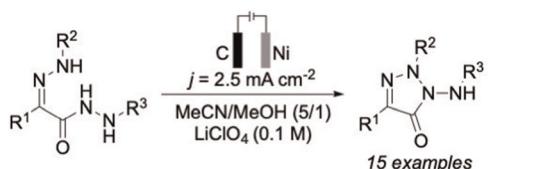
Efficient synthesis of pyrrolo[1,2-a]indol-3-ones through a radical-initiated cascade cyclization reaction

Han Zhang, Yuze Lin, Gang Yang, Xifa Yang* and Xiuling Cui*



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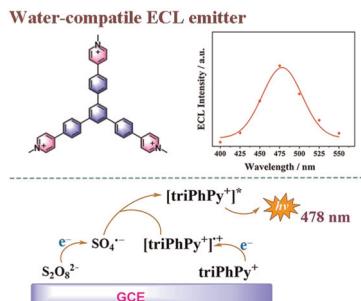
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Electrooxidative synthesis of 1,2,3-triazolone 1-amines

Ksenia Titenkova, Daniil A. Chaplygin and Leonid L. Fershtat*

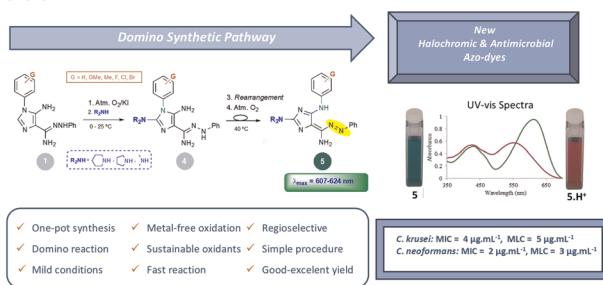
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Water-compatible electrogenerated chemiluminescence effect derived from readily accessible tripyridinium salts

Lewei Wang, Ru Zhang, Wenrong Cai, Junyao Li, Junming Chen* and Datong Wu*

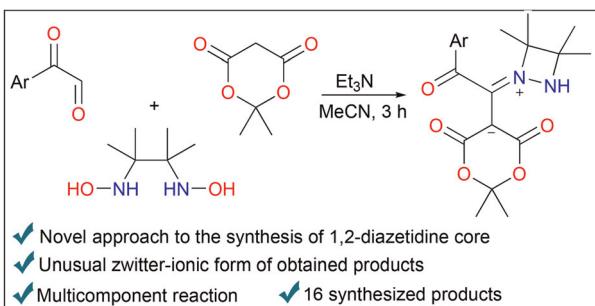
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Domino synthesis of a new class of red-shifted and antimicrobial imidazole-based azo dyes from 5-aminoimidazole-4-carboxamidrazones

Mariana P. Silva, Bárbara Silva, Inês Costa, Paulo J. G. Coutinho, Fátima Cerqueira, Eugénia Pinto and Alice M. Dias*

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Construction of a 1,2-diazetidine core based on a multicomponent reaction of *N,N'*-(2,3-dimethylbutane-2,3-diy) bis(hydroxylamine), arylglyoxals, and Meldrum's acid

Nadezhda A. Bakuleva, Boris V. Lichitskii, Andrey N. Komogortsev* and Evgeny V. Tretyakov

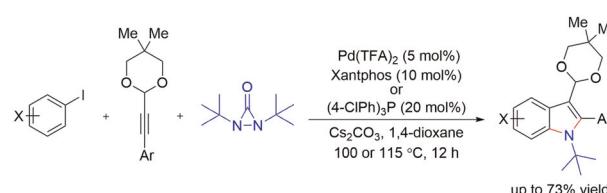


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Pd-catalyzed efficient synthesis of 3-formylindole derivatives with diaziridinone

Jianjun Wang, E Yang, Wei Liu, Shiwei Zhang and Yian Shi*



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Mechanism and stereoselectivity of a [3 + 2] cycloaddition involving a glucosyl nitrone: a MEDT study

Mohamed Chellegui,* Simplice Koudjina, Ines Salhi, Sofiane Benmetir, Raad Nasrullah Salih, Haydar A. Mohammad-Salim, Guy Y. S. Atohoun and Jesus Vicente de Julián-Ortiz

