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IN THIS ISSUE

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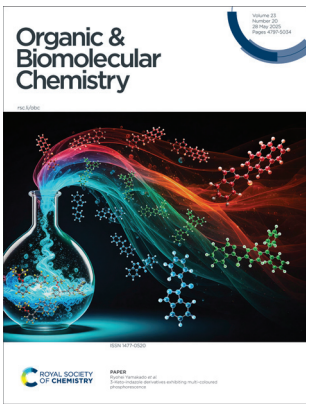

Cover
See Ryohei Yamakado *et al.*, pp. 4902–4908.

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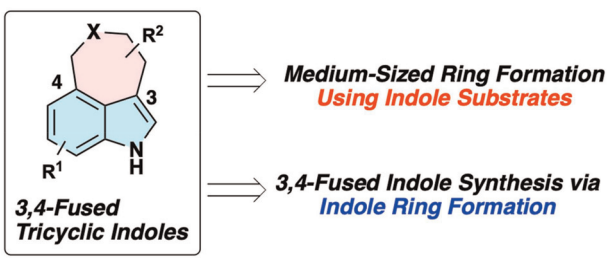
REVIEWS

4808

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

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



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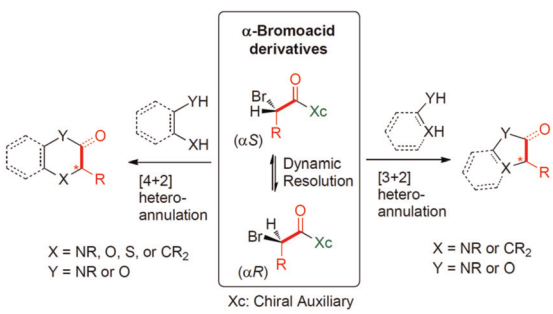
Configurationally labile α-bromoacid derivatives for asymmetric preparation of heterocycles

Sumin Lee and Yong Sun Park*



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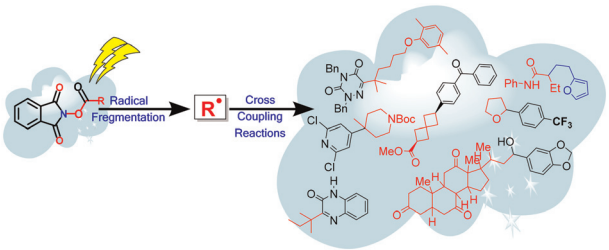
REVIEWS

4846

Recent advances in electrochemical utilization of NHPI esters

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

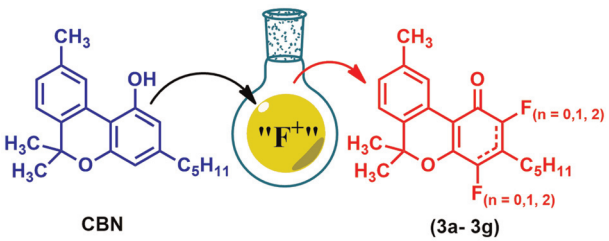


COMMUNICATIONS

4855

Electrophilic fluorination of cannabinol (CBN)

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



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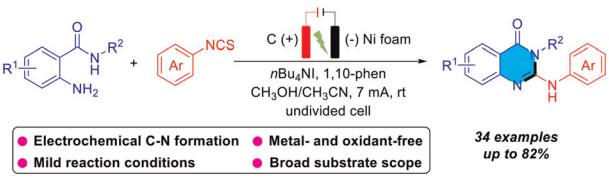
TBAI-mediated electrochemical oxidative synthesis of quinazolin-4(3*H*)-ones from 2-aminobenzamides and isothiocyanates

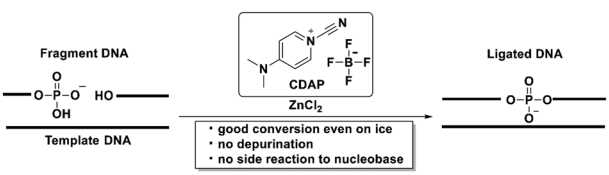
Jingbin Huang, Yafeng Liu, Yu Huang, Xiuli Wu, Xiao-Bing Lan, Jian-Qiang Yu, Wenxue Li, Ping Zheng,* Jian Zhang* and Zhenyu An*



4866

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*



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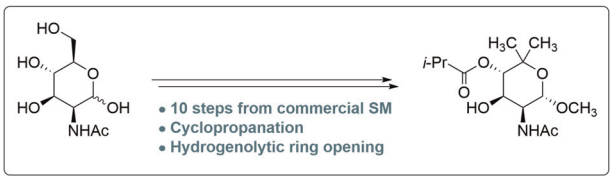
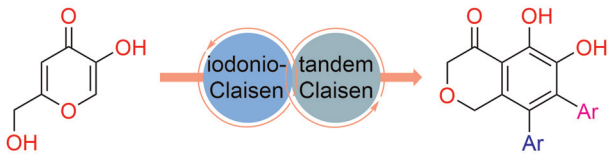
4873



Synthesis of 2-acetylnoviosamine derivatives by hydrogenolytic cleavage of a spirocyclopropane

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

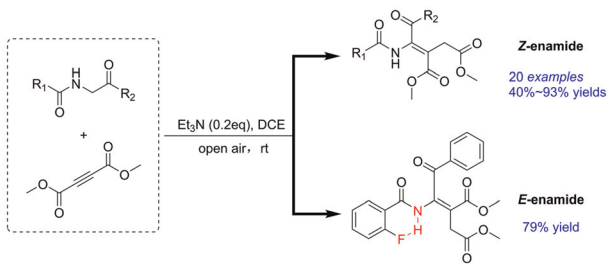
4879



Claisen rearrangement enabled efficient access to biaryl phenols

Ke Yu, Tongxiang Cao* and Shifa Zhu*

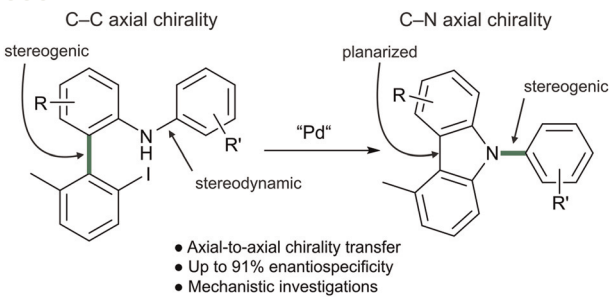
4884



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

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

4888



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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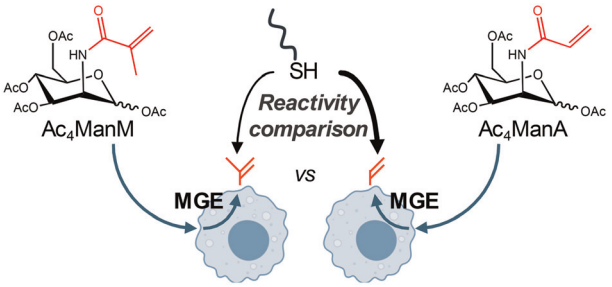
COMMUNICATIONS

4893

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

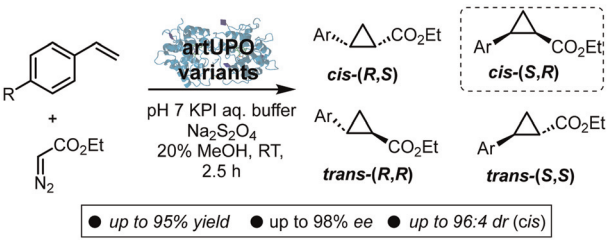
Yasuhiko Iwasaki,* Yuto Tabe, Ryosuke Tanaka and Yota Okuno



4897

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*

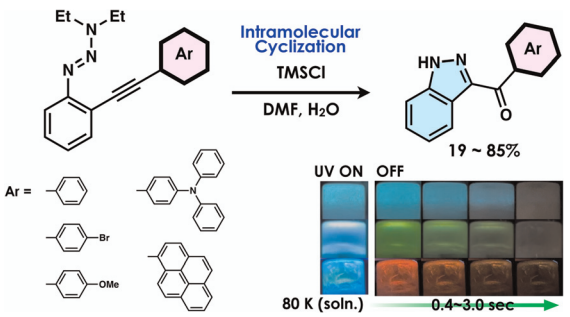


PAPERS

4902

3-Keto-indazole derivatives exhibiting multi-coloured phosphorescence

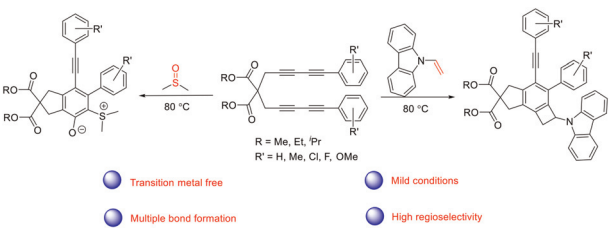
Tetsuya Moriyama, Ryota Kobayashi, Takayuki Chiba, Shuji Okada and Ryohei Yamakado*



4909

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

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



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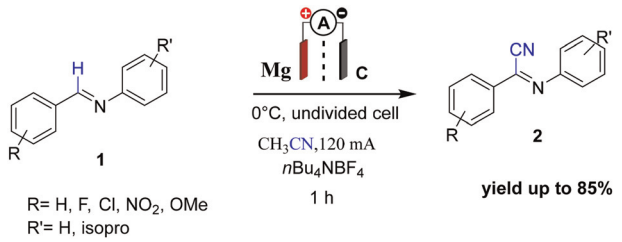
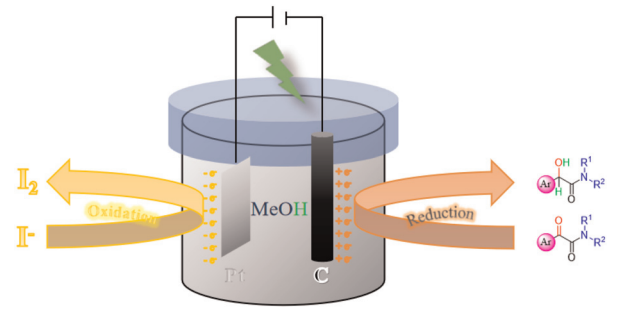


C–H bond cyanation: electrochemical synthesis of phenylbenzimidoyl cyanide derivatives

Najoua Sbei,* Seyfeddine Rahali and Nisar Ahmed*

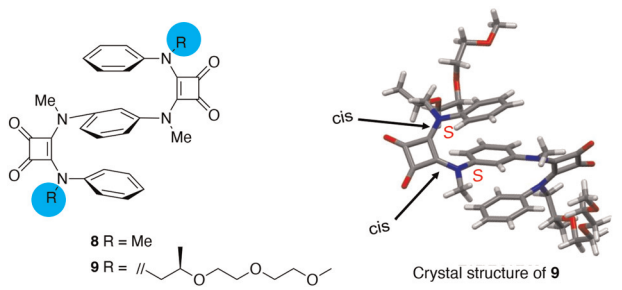
4922



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*

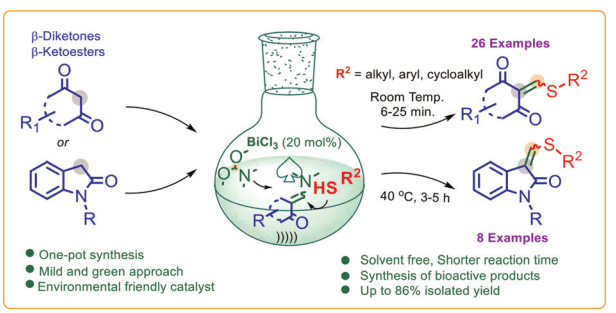
4927



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*

4934



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

Bhoomikaben Panchal, Bhaveshkumar Panchal, Mrinal Talukdar, Anindita Bhar, Togati Naveen* and Eeshwaraiah Begari*

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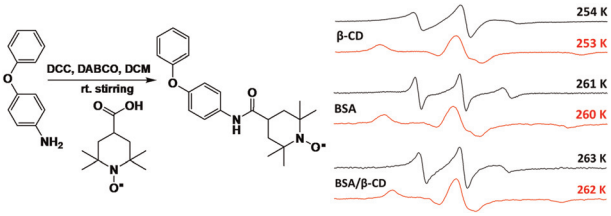
4940

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

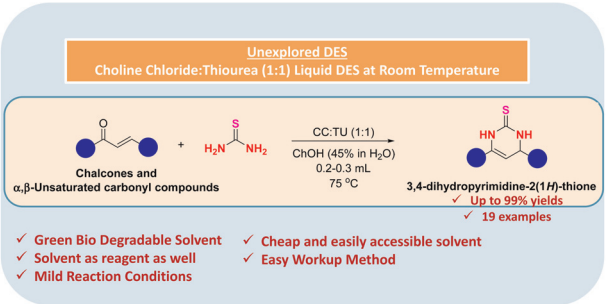
Alexandru Vincentiu Florian Neculae, Iulia Matei,* Aurica Precupas,* Vlad Tudor Popa, Victorita Tecuceanu, Carmen Mihaela Topala, Sylvain R. A. Marque, Jean Patrick Joly and Gabriela Ionita*



4951

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

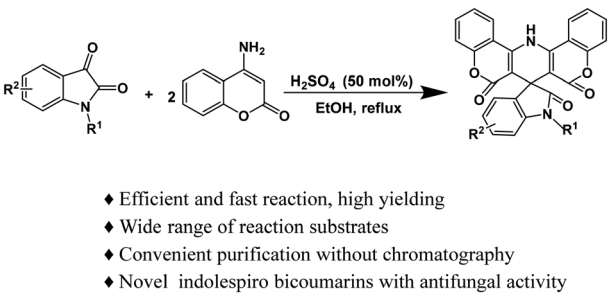
Apeksha Singhal, Ankit Yadav, Shashwat Vashisht, Khushi Tyagi, T. M. Rangarajan* and Sharda Pasricha*



4960

Novel indolespiro bicoumarins: synthesis and their antifungal activity

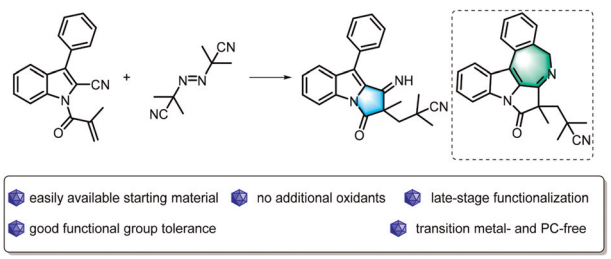
Zhengyu Liu, Qihe Liu, Li Chen, Yukang Liu, Ting Zhao, Liuqing Yang, Min Zhang* and Changsheng Yao*



4966

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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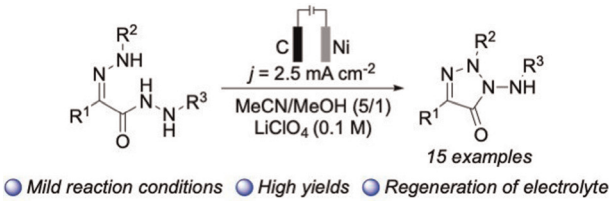
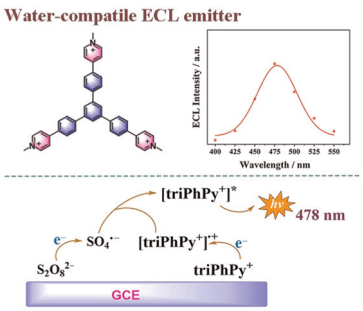


Electrooxidative synthesis of 1,2,3-triazolone 1-amines

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

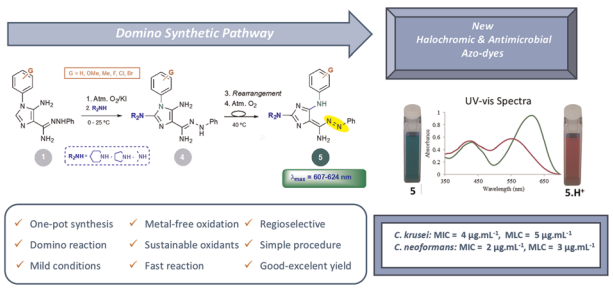
4977



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

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

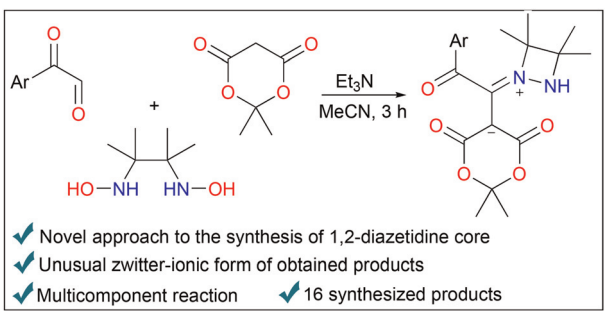
4983



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*

4997



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

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

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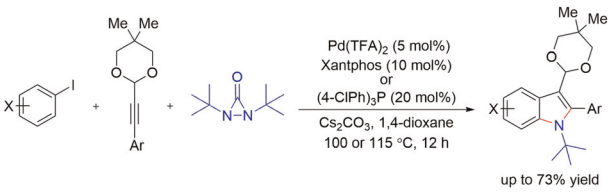
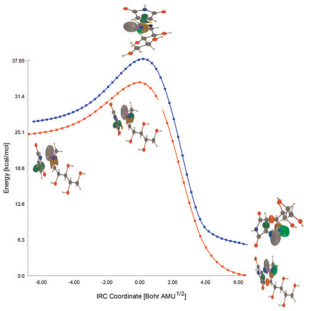
5006

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

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



5016

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