

Organic & Biomolecular Chemistry

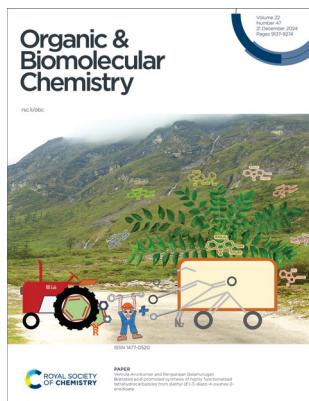
An international journal of synthetic, physical and biomolecular organic chemistry

rsc.li/obc

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1477-0520 CODEN OBCRAK 22(47) 9137–9274 (2024)



Cover

See Vemula Arunkumar and Rengarajan Balamurugan, pp. 9214–9218.

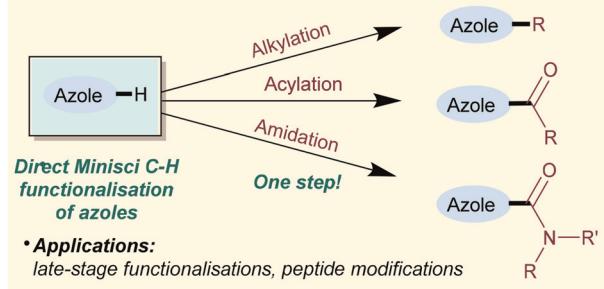
Image reproduced by permission of R. Balamurugan from *Org. Biomol. Chem.*, 2024, **22**, 9214.

REVIEWS

9145

Direct C–H functionalisation of azoles via Minisci reactions

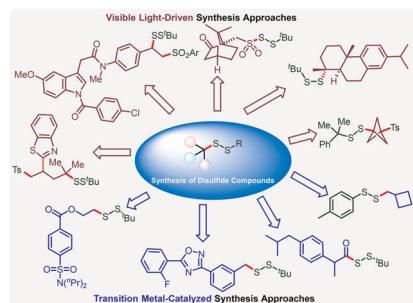
Ai-Lan Lee,* David T. Mooney and Heather McKee



9165

Recent advances in photocatalytic and transition metal-catalyzed synthesis of disulfide compounds

Jia-Lin Tu





GOLD
OPEN
ACCESS

RSC Applied Polymers

The application of polymers,
both natural and synthetic

Interdisciplinary and open access

rsc.li/RSCApplPolym

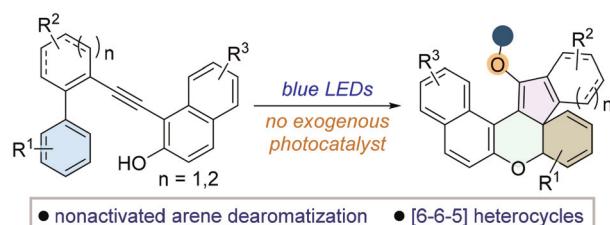
Fundamental questions
Elemental answers

COMMUNICATIONS

9179

Construction of fused heterocycles by visible-light induced dearomatization of nonactivated arenes

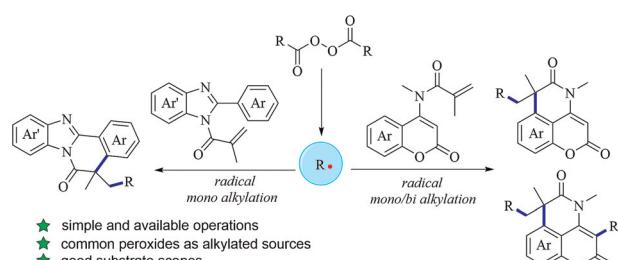
Tianyu Liu, Yong Luo and Yidong Liu*



9184

Radical alkylation of acrylamides with peroxides to access mono/dialkylated fused N-heterocycles

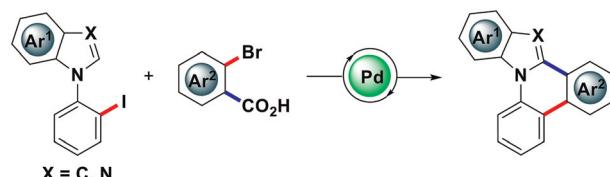
Jie Fan, Qinjin Yan,* Xueli Wang, Lijun Li* and Zejiang Li*



9188

Palladium-catalyzed C–H bond activation and decarboxylation for the assembly of indolo[1,2-f]phenanthridine

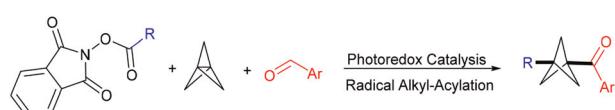
Xiaobing Liu, Yong-Liang Ban, Yanjie Liu, Mengdie Zhuang and Yao Zhou*



9192

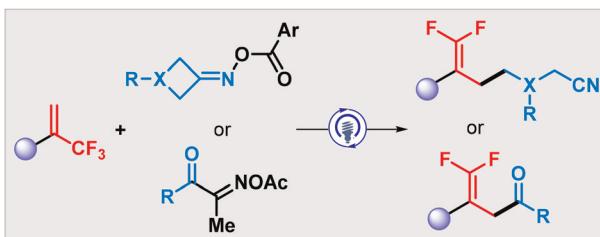
Visible-light photoredox-catalyzed three-component radical alkyl-acylation of [1.1.1]propellane

Lanqin Liu, Shengkun Guo, Chengjun Chen, Xiaoyu Shen, Xiaoyun Chen, Huaguang Yu, Ying Han, Qiu Sun, Shaoqun Zhu* and Hong Hou*



COMMUNICATIONS

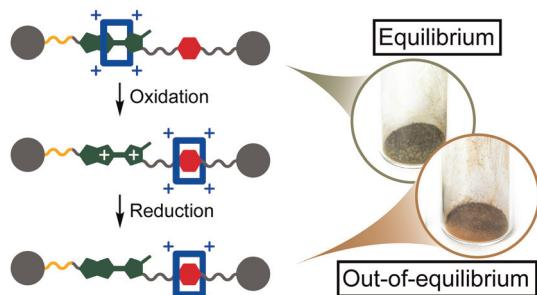
9197



Assembly of functionalized *gem*-difluoroalkenes via photocatalytic defluorocyanation and defluoroacetylation of α -CF₃ styrenes with oxime esters

Chan Ai, Tao Wang, Yu Bao, Shenghu Yan, Yue Zhang* and Jia-Yin Wang*

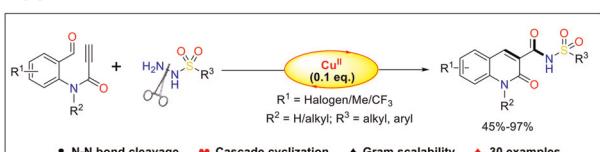
9203



Pushing a bistable [2]rotaxane out of equilibrium and isolation of the metastable-state co-conformation

Mathias S. Neumann, Sofie K. Jensen, Rikke Frederiksen, Sissel S. Andersen, Kasper M. Beck and Jan O. Jeppesen*

9209

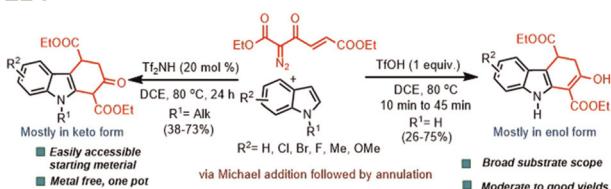


Cu(II)-catalyzed synthesis of *N*-sulfonated quinolin-2(1*H*)-one-3-carboxamides

Xue Chen, Shi-Jie Fang, Quan Zhou,* Wei Huang, Qiu-Lan Liu and Lei Wang*

PAPERS

9214



Brønsted acid-promoted synthesis of highly functionalized tetrahydrocarbazoles from diethyl (E)-5-diazo-4-oxohex-2-enedioate

Vemula Arunkumar and Rengarajan Balamurugan*

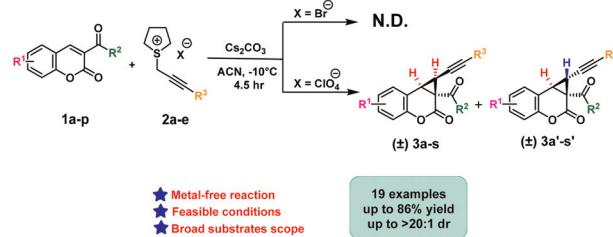


PAPERS

9219

Synthesis of alkynyl cyclopropa[c]coumarins via propargyl sulfonium salts as C1 synthons

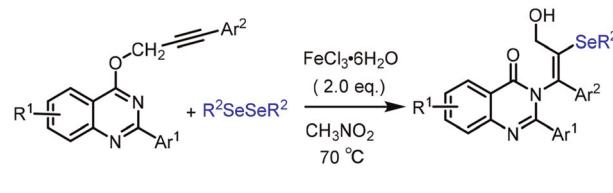
Lavanya Chandrasekar, Yun-Zhen Hsieh, Hao-Tse Chou, Yu-Chen Huang and Wei-Min Liu*



9231

Highly selective synthesis of selenium-containing (E)-N-propenolquinazolinones via FeCl_3 -mediated cascade reaction of propargyl quinazoline-4-yl ethers with diselenides

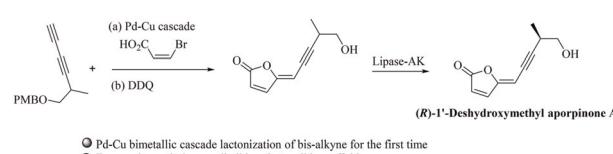
Xinqin Zhang, Qin Yang, Xiaofeng Zeng, Yang Fu, Qiuping Ding and Yiyuan Peng*



9242

Synthetic studies towards naturally occurring aporpinones: asymmetric synthesis of 1'-deshydroxymethyl analogues of aporpinone A, aporpinone B and 4'-hydroxyaporpinone A

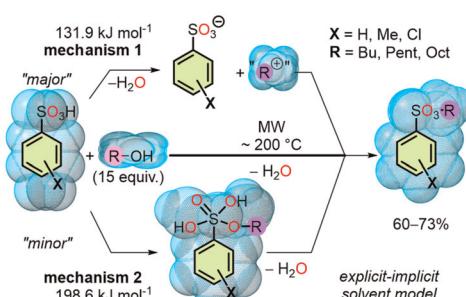
Kishor Kumar Mandal, Swagata Das and Samik Nanda*



9249

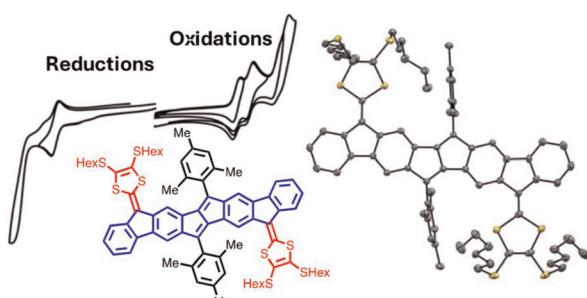
A chlorine-free microwave-assisted, ionic liquid-catalyzed esterification of arylsulfonic acids with alcohols: an experimental and theoretical study

Bianka Huszár, Zoltán Mucsi and György Keglevich*



PAPERS

9259



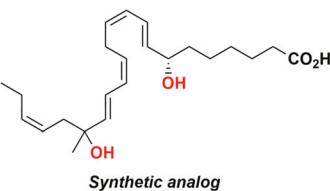
Extended tetrathiafulvalene with a pentaleno [1,2-b:4,5-b']difluorene core – a donor–acceptor multi-redox system

Jeppe Granhøj, Viktor Bliksted Roug Pedersen, Kurt V. Mikkelsen and Mogens Brøndsted Nielsen*

9266

Stereoselective synthesis of
17(R/S)-Me-RvD_{5n-3} DPA

300 ng intravenous injection of:
17(R/S)-Me-RvD_{5n-3} DPA



Synthesis of the methyl ester of 17(R/S)-Me-RvD_{5n-3} DPA and relief of postoperative pain in male mice

Karina Ervik,* Yi-ze Li, Ru-Rong Ji, Charles N. Serhan and Trond V. Hansen

CORRECTION

9271

Correction: Cu(II)-Mediated aerobic oxidative synthesis of sulfonated chromeno[4,3-c]pyrazol-4(2H)-ones

Quan Zhou, Hai-Yan Yu, Yaqing Zhou, Jing-Ru Wei and Lei Wang*