

Organic & Biomolecular Chemistry

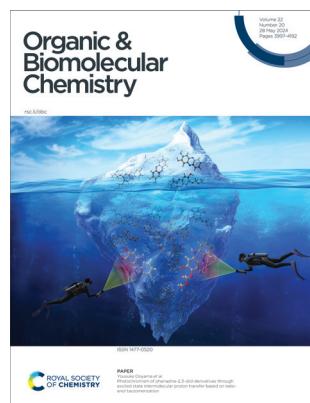
An international journal of synthetic, physical and biomolecular organic chemistry

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Cover

See Yousuke Ooyama *et al.*,
pp. 4077–4088.

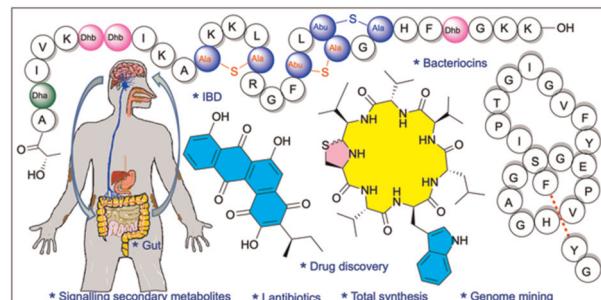
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Org. Biomol. Chem., 2024,
22, 4077.

REVIEW

4006

Natural products from the human microbiome: an emergent frontier in organic synthesis and drug discovery

Saumitra Sengupta,* Srihari Pabbaraja* and Goverdhan Mehta*



COMMUNICATIONS

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Me₃SiBr-promoted cascade electrophilic thiocyanation/cyclization of *ortho*-alkynylanilines to synthesize indole derivatives

Qing Wang, Chukai Shao, Ruirui Hua, Hongquan Yin and Fu-Xue Chen*



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Elemental answers



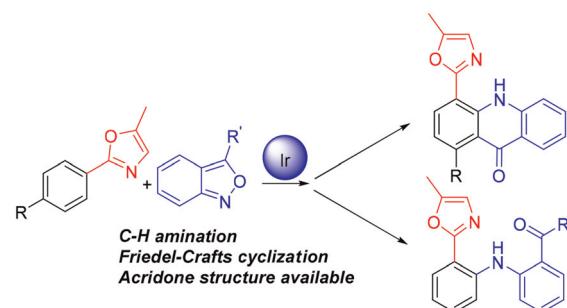
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COMMUNICATIONS

4036

Synthesis of acridones via Ir(III)-catalyzed amination annulation of oxazoles with anthranils

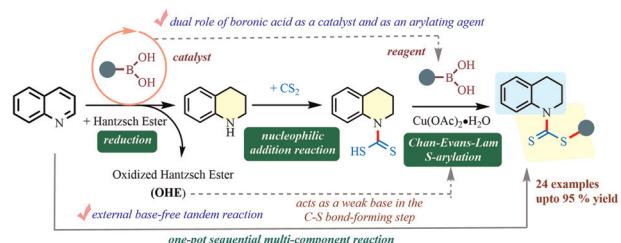
Han-Yi Zhou and Lin Dong*



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Facile synthesis of tetrahydroquinoline containing dithiocarbamate derivatives via one-pot sequential multicomponent reaction

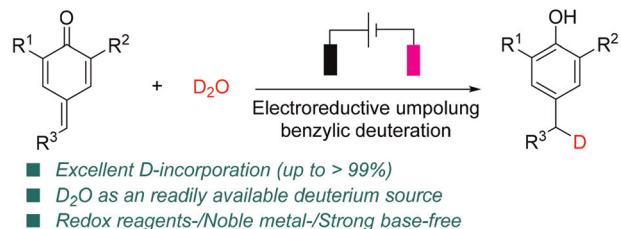
Siddhartha Kumar Senapati, Anit Pal and Animesh Das*



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Electrochemical benzylic deuteration of *p*-QMs enabling the synthesis of benzylic deuterated diarylmethanes

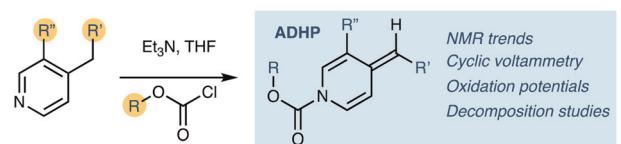
Yunying Yan, Jianjun Hao, Yulin Peng, Mengyun Yin,* Linhai Jing* and Pan Han*



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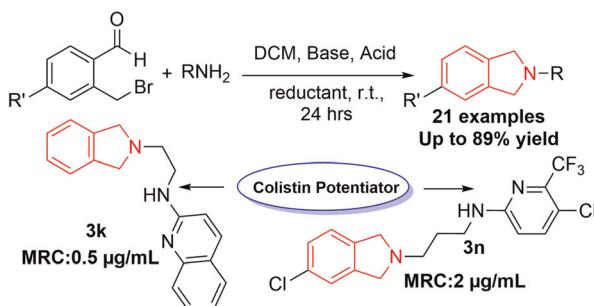
Stability and reactivity of alkylidene dihydropyridines

Matthew Puzhistky, Ekadashi Pradhan, Andrei Nikolaev, Tao Zeng, Dan Fishlock and Arturo Orellana*



COMMUNICATIONS

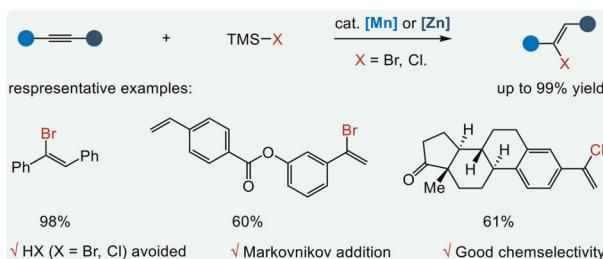
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Practical synthesis of isoindolines yields potent colistin potentiators for multidrug-resistant *Acinetobacter baumannii*

Somnath Dutta, Samantha Eyolfson, Yuhang Zhu, Yuefeng Gao and Xiang Wang*

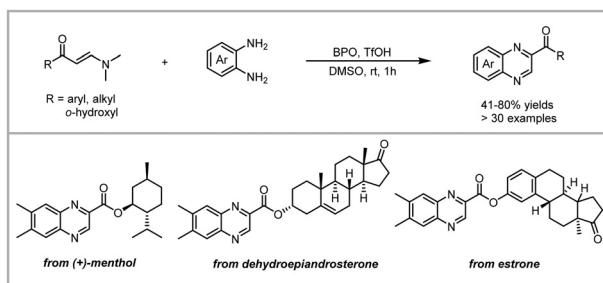
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Lewis acid catalyzed Markovnikov hydrobromination and hydrochlorination of alkynes using TMSX ($\text{X} = \text{Br}, \text{Cl}$)

Dalong Shen, Dehai Cao, Ruizeng Zhang, Peiyuan Bai and Zhenxing Liu*

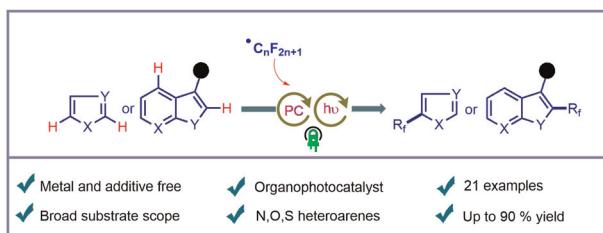
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BPO-promoted [4 + 2] cyclization of enaminones and o-phenylenediamines to 2-acyl quinoxalines via a cascade transamination and C–H amination

Heng Feng, Jie Huo, Xiaonan Mu, Renhua Zheng,*
Xiao Geng* and Lei Wang

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Photoinduced metal-free trifluoro/perfluoroalkylation of heteroarenes

Shashank Singh and Ravi P. Singh*

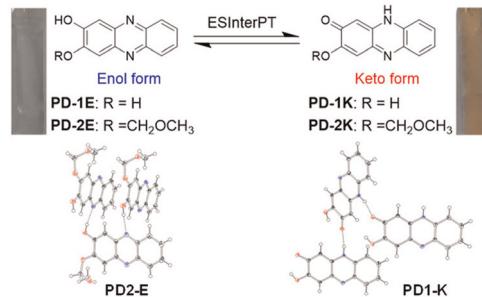


PAPERS

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Photochromism of phenazine-2,3-diol derivatives through excited state intermolecular proton transfer based on keto–enol tautomerization

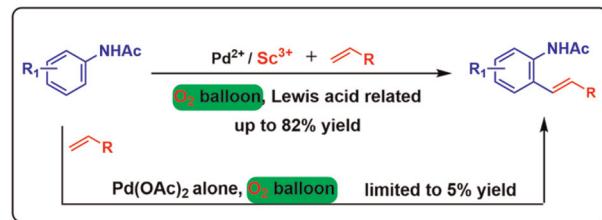
Kazuki Ohira, Kumei Kozuka, Naoki Kaneda, Masahiro Yamamoto, Keiichi Imato and Yousuke Ooyama*



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Pd(II)/LA-catalyzed acetanilide olefination with dioxygen

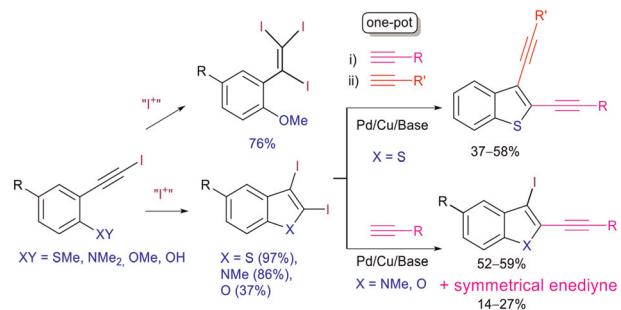
Kaiwen Li, Shuangfeng Dong, Shuang-Long Li, Zhuqi Chen and Guochuan Yin*



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Facile synthesis of diiodoheteroindenes and understanding their Sonogashira cross-coupling selectivity for the construction of unsymmetrical enediynes

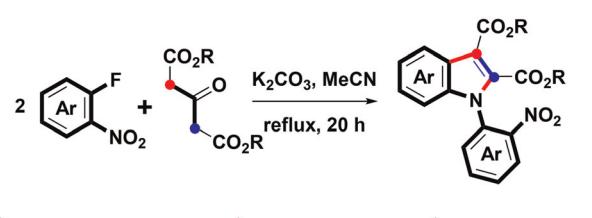
Alexander V. Ponomarev, Natalia A. Danilkina, Julia S. Okuneva, Aleksandra A. Vidyakina, Ekaterina A. Khmelevskaya, Alexander S. Bunev, Andrey M. Rumyantsev, Anastasia I. Govdi, Thomas Suarez, Igor V. Alabugin* and Irina A. Balova*



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K_2CO_3 -mediated annulation of 1,3-acetonedi-carboxylates with 2-fluoro-1-nitroarenes: synthesis of indoles

Meng-Yang Chang,* Chin-Huey Ho and Hsing-Yin Chen*

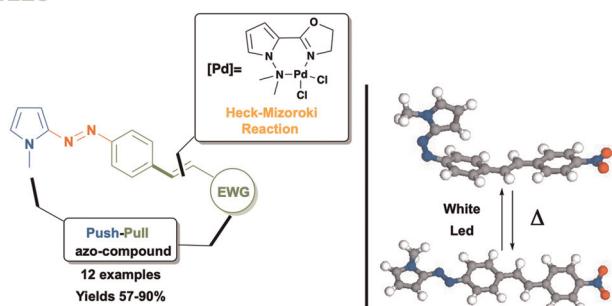


✓ one-pot synthesis ✓ >31 examples ✓ 60%-84% yields



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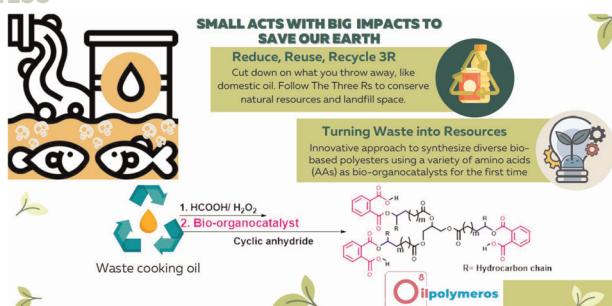
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Structure and isomerization behavior relationships of new push–pull azo-pyrrole photoswitches

D. Gallardo-Rosas, J. M. Guevara-Vela, T. Rocha-Rinza, R. A. Toscano, J. G. López-Cortés and M. C. Ortega-Alfaro*

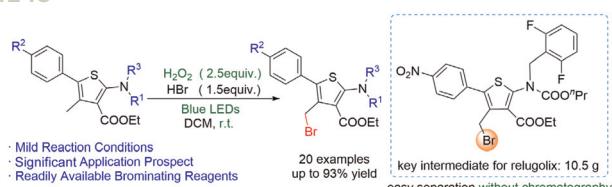
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Amino acids as bio-organocatalysts in ring-opening copolymerization for eco-friendly synthesis of biobased oligomers from vegetable oils

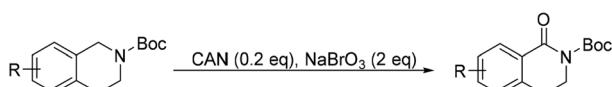
Francisca Werlinger, Monserrat Beroíza-Duhart, Oscar A. Douglas-Gallardo, Silvia Oyarzo-Aro, Maria Luisa Valenzuela, Oleksandra S. Trofymchuk,* Mario E. Flores* and Javier Martínez*

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Visible-light-induced C(sp³)–H bromination of 4-methylthiophene derivatives with HBr/H₂O₂

Wenbo Song, Ming Ma, Wenjing Zhang, Ranran Feng, Congcong Lu, Hong-Yu Zhang,* Yuecheng Zhang* and Jiquan Zhao

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Efficient and scalable synthesis of 3,4-dihydroisoquinolin-1(2H)-ones by benzylic oxidation of tetrahydroisoquinoline derivatives using cerium ammonium nitrate (CAN)

Jiajun Luo, Zhilong Li, Jiaxin He, Tong Li, Daochen Wu, Yang Lai and Haiying Sun*

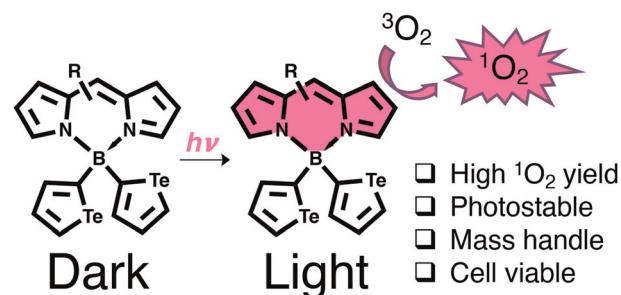


PAPERS

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A series of potent BODIPY photosensitisers featuring tellurophene motifs at boron

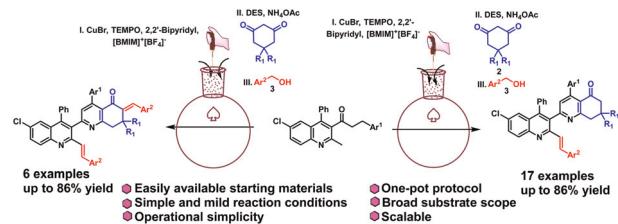
Jacob W. Campbell, Matthew T. Tung, Breanna B. Taylor, Andrew A. Beharry* and Alison Thompson*



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Copper-catalyzed dehydrogenative cyclization/alkenylation towards dihydroquinolinones

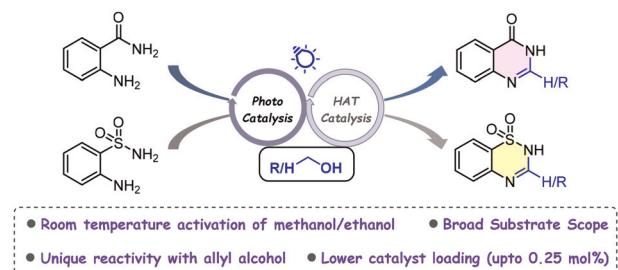
Keerthana Pari and Nawaz Khan Fazlur-Rahman*



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Visible light-mediated synthesis of quinazolinones and benzothiadiazine-1,1-dioxides utilizing aliphatic alcohols

Saloni Kumari, Souvik Roy, Pragya Arora and Sabuj Kundu*



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Polyketides with α -glucosidase inhibitory and neuroprotective activities from *Aspergillus versicolor* associated with *Pedicularis sylvatica*

Ting-Ting Jiang, Liang-Liang Zhai, Zi-Jue Wang, Xin-Yu Wang, Jian-Nan Li, Yi-Jie Zhai, Ding Li and Wen-Bo Han*

