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IN THIS ISSUE

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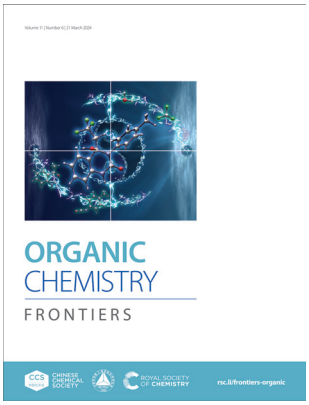

Cover
See Changjun Zhang, Yuanyuan Xie *et al.*, pp. 1662–1667.

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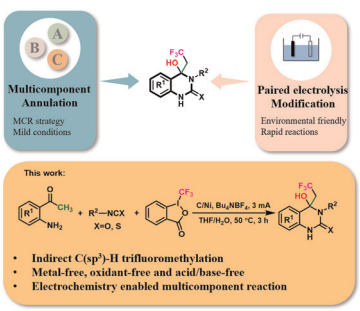
EDITORIAL

RESEARCH ARTICLES



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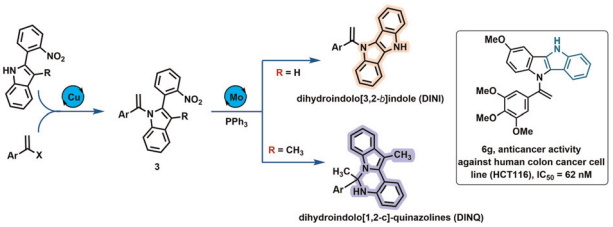

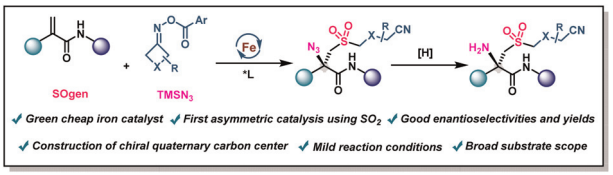

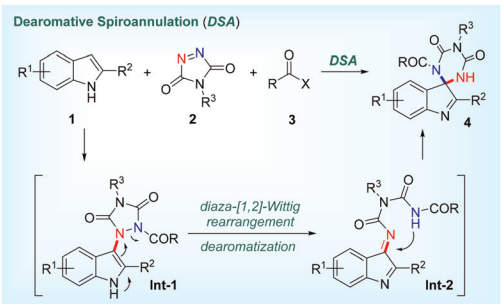

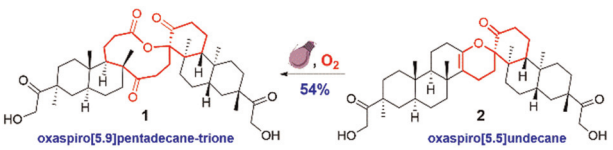

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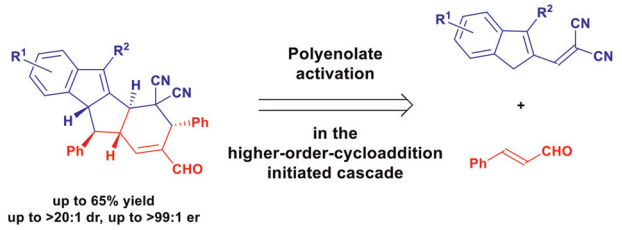
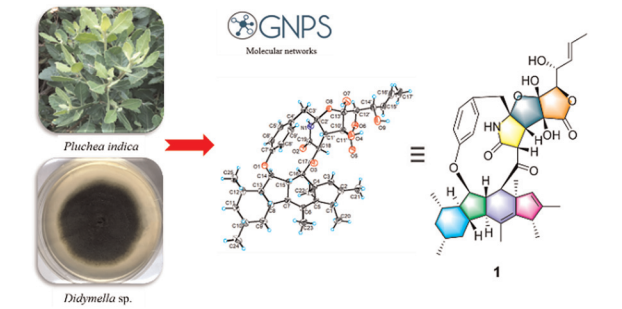


Polyenolate-mediated reaction cascade initiated by higher-order-cycloaddition for the construction of polycarbocyclic scaffolds

Adam Cieśliński, Anna Skrzyńska, Artur Przydacz and Łukasz Albrecht*

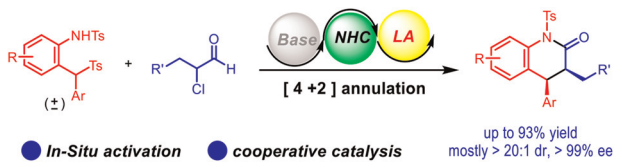
1706



Didymorenloids A and B, two polycyclic cyclopenta[*b*]fluorene-type alkaloids with anti-hepatoma activity from the mangrove endophytic fungus *Didymella* sp. CYSK-4

Yan Chen, Wencong Yang, Ge Zhu, Guisheng Wang, Tao Chen, Hang Li, Jie Yuan* and Zhigang She*

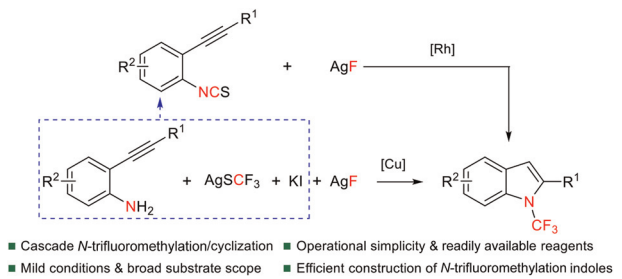
1713



Cooperative catalysis of carbenes and Lewis acids for the highly enantioselective synthesis of dihydroquinolones *via in situ* generation of aza-*ortho*-quinone methide and enolate intermediates

Zhiying Li, Zhenhong Wu, Huan Gong, Xinyi Xu, Jianfeng Xu* and Xingkuan Chen*

1720



Transition-metal-catalyzed straightforward synthesis of *N*-trifluoromethyl indoles from 2-alkynylaryl isothiocyanates or 2-alkynylanilines

Jianquan Hong,* Chongbin Wei, Ruilong Feng, Kui Zhao, Yi Zhu, Chunxiang Li, Xifei Chen, Xinxin Gong, Dejing Yin and Changge Zheng*

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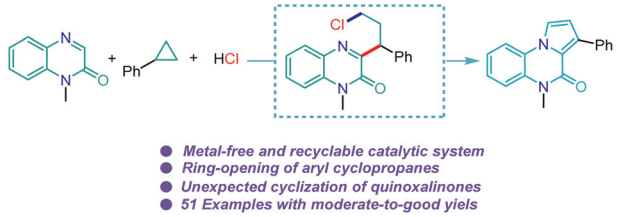

Visible light-mediated ring opening and cyclization of aryl cyclopropanes: efficient synthesis of pyrrolo [1,2-*a*]quinoxalin-4(5*H*)-ones with antineoplastic activity

Jiabin Shen,* Yong Yang, Chao Chen,* Hao Xu, Chao Shen and Pengfei Zhang

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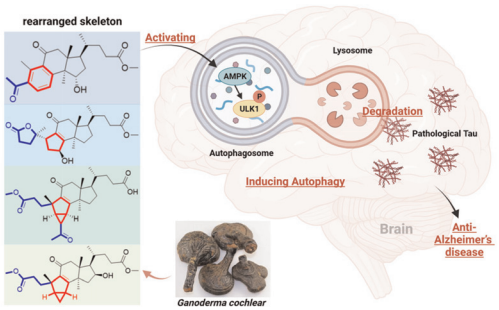
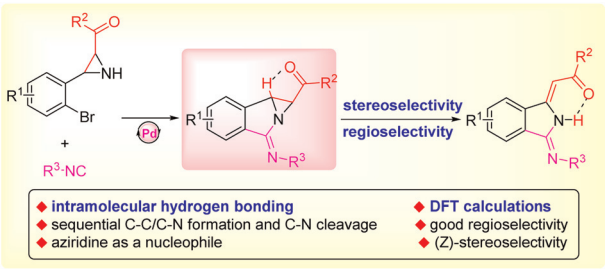


Novel A-*seco*-nortriterpenoids from *Ganoderma cochlear* inhibiting Tau pathology by activating AMPK-ULK1-mediated autophagy

Rong-Can Luo, Yi Luo, Da-Shuang Fang, Yong-Gang Yao, Ming-Hua Qiu* and Xing-Rong Peng*

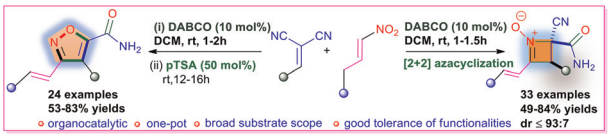
1775



Hydrogen bond-promoted regio- and stereoselective synthesis of isoindoline derivatives through Pd-catalyzed isocyanide insertion reaction involving aziridines

Shuang Zheng, Hao-Jie Fan, Shan-Shan Liu, Yang Xu, Zhi-Wen Zhao, Han-Han Kong, Ping He,* Long Wang* and Zhi-Lin Ren*

1782



Organocatalyzed diastereoselective cyclization of β-alkyl nitroolefins with alkylidene malononitriles: new approach to azetidine nitrones and isoxazoles

Shikha S. Rathor, Ashvani K. Patel and Sampak Samanta*

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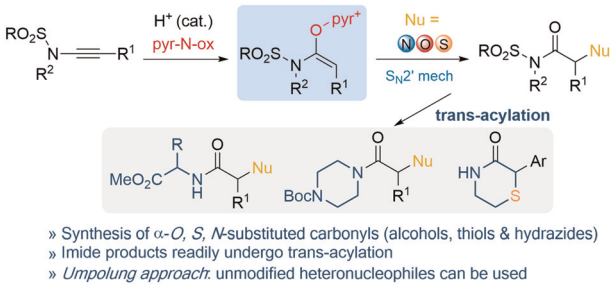

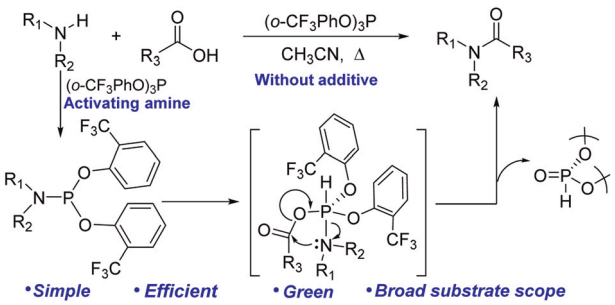

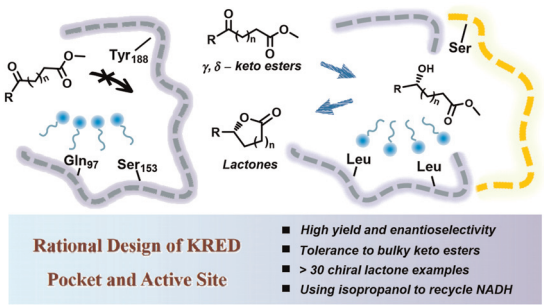

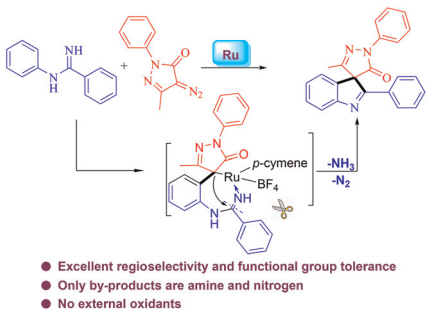

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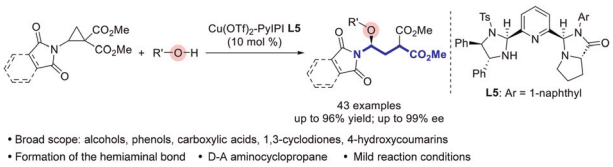

Catalytic asymmetric ring-opening of aminocyclopropanes with oxygen nucleophiles: access to chiral γ-amino acid derivatives

Ru-Lin Luo, Xiao-Bing Wang, Ming-Sheng Xie* and Hai-Ming Guo*

REVIEWS

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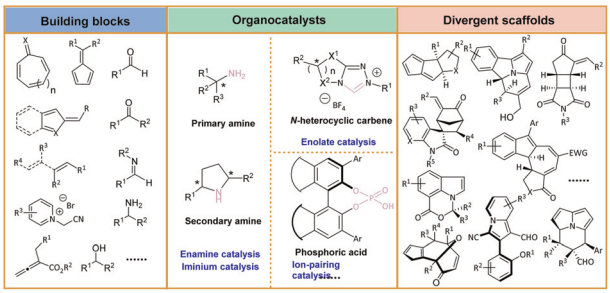
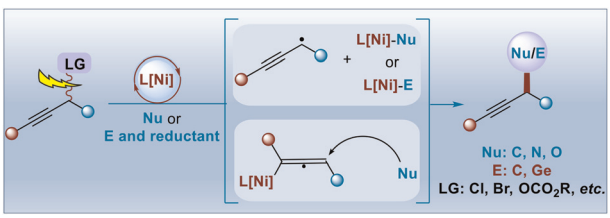


Recent advances in metal-free catalytic enantioselective higher-order cycloadditions

Bei Zhang and Jian Wang*

1843



Recent advances in nickel-catalyzed propargylic substitution

Feifei Tong, Dandan Hu, Chun Zhang, Jun-Qi Zhang* and Hongjun Ren*

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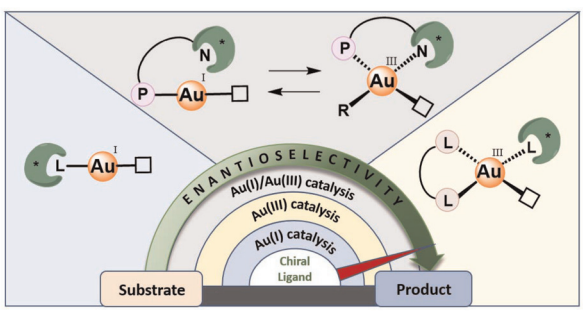

Asymmetric gold catalysis enabled by specially designed ligands

Amol B. Gade,* Urvashi and Nitin T. Patil*