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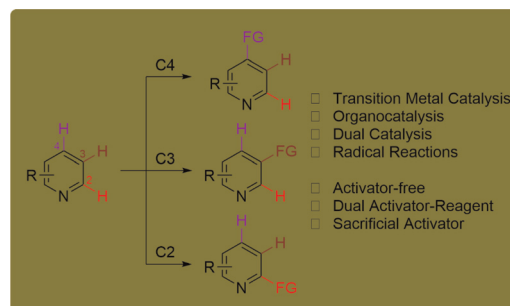
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REVIEWS

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C–H functionalization of pyridines

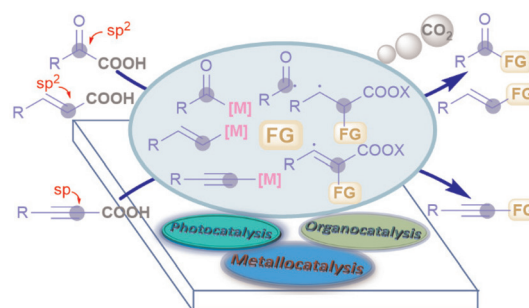
Susmita Maity, Asish Bera, Ayantika Bhattacharjya and
Pradip Maity*



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Ajijur Rahaman, Shivani Singh Chauhan and
Sukalyan Bhadra*



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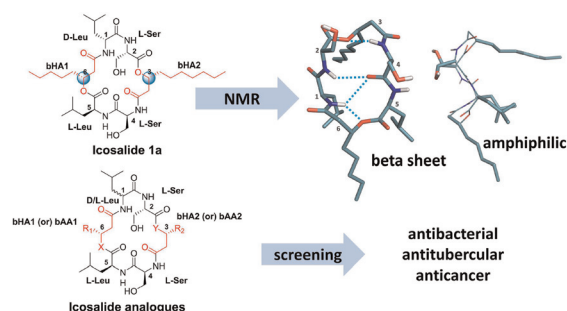


COMMUNICATIONS

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Total synthesis, structure elucidation and expanded bioactivity of icosalide A: effect of lipophilicity and ester to amide substitution on its bioactivity

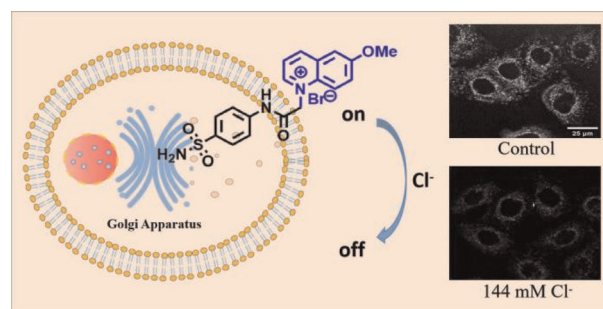
Abha Dangi, Bharat Pande, Sonia Agrawal, Dhiman Sarkar, Koteswara Rao Vamkudoth and Udaya Kiran Marelli*



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Synthesis of a Golgi-targeting fluorescent probe for the selective detection of chloride anions

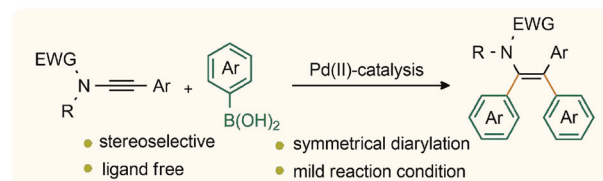
Min Yuan, Jinhui Hu* and Wen-Hua Chen*



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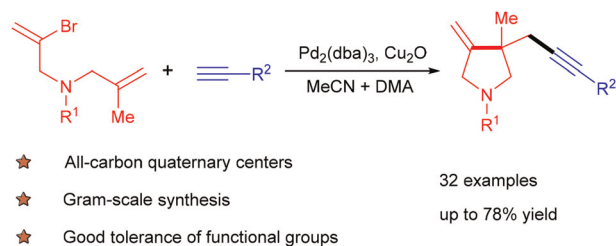
Aradhana Sahoo, Shubham Dutta and Akhila K. Sahoo*



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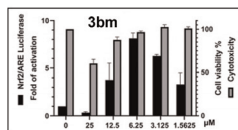
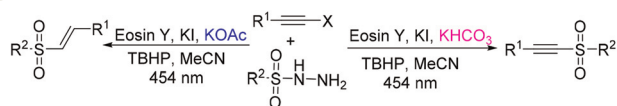
Pd/Cu-catalyzed cascade Heck-type reactions of alkenyl halides with terminal alkynes toward substituted pyrrolidine analogues

Shiji Xu, Qiang Wang, Jing Sun, Ying Han, Weiming Hu,* Lei Wang* and Chao-Guo Yan*



COMMUNICATIONS

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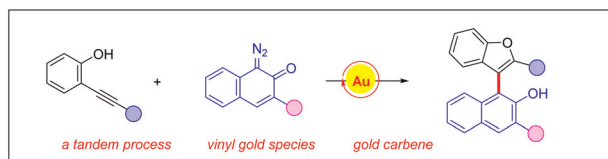


- 41 examples, up to 98% yield
- excellent in vitro antioxidant activity
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- good functional group tolerance
- broad substrate scope

Photocatalytic synthesis of alkyne sulfones and alkenyl sulfones using sulfonylhydrazides and alkynes

Xiaoju Yang, Jumei Yi, Xinhan Li, Yihang Wu, Jun Dong, Zhenxiu He, Guangzhi Zeng,* Jianbin Xu* and Baomin Fan*

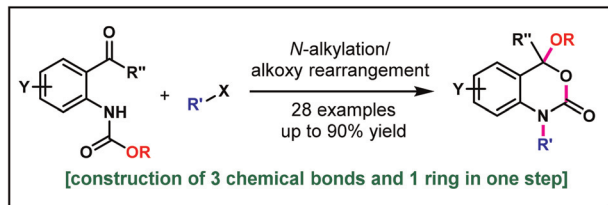
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Gold-catalyzed tandem reaction of o-alkynylphenols with diazo compounds: access to 2,3-disubstituted benzofurans

Tingzhong Huang, Ying Shao, Shengbiao Tang and Jiangtao Sun*

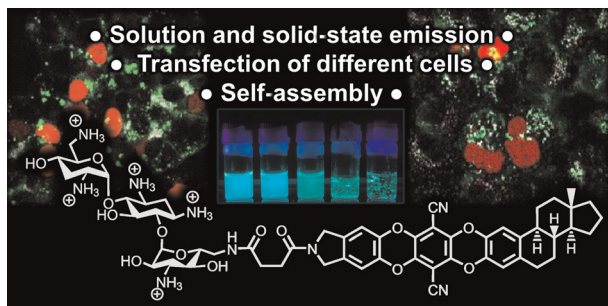
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Convenient synthesis of *N*-alkyl-3,1-benzoxazin-2-ones from carbamate protected anthranil aldehydes and ketones via one-step alkylation/alkoxy rearrangement

Guang Tian, Wei-Li Jin, Chuanguang Qin* and Jie Wang*

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Deoxystrone-based lipofection agents with solution- and solid-state emission properties

Alexander Huber, Johannes Koch, Kevin Rudolph, Alexander Höing, Fabio Rizzo, Shirley K. Knauer and Jens Voskuhl*

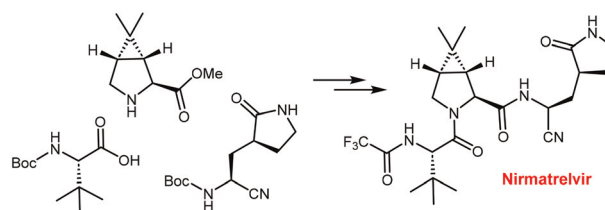


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Synthesis of optically active SARS-CoV-2 Mpro inhibitor drug nirmatrelvir (Paxlovid): an approved treatment of COVID-19

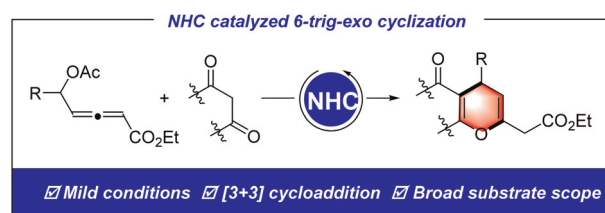
Arun K. Ghosh* and Monika Yadav



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NHC-catalyzed formal [3 + 3] annulations of δ -acetoxy allenates for the synthesis of 4*H*-pyran derivatives

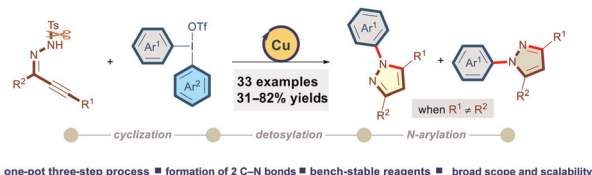
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Copper-catalyzed tandem cyclization/arylation of α,β -alkynic hydrazones with diaryliodonium salts: synthesis of *N*-arylpyrazoles

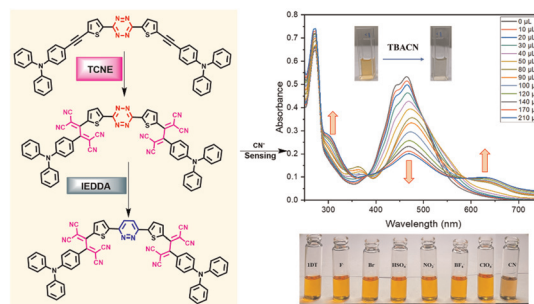
Sushanta Kumar Parida, Saurav Joshi and Sandip Murarka*



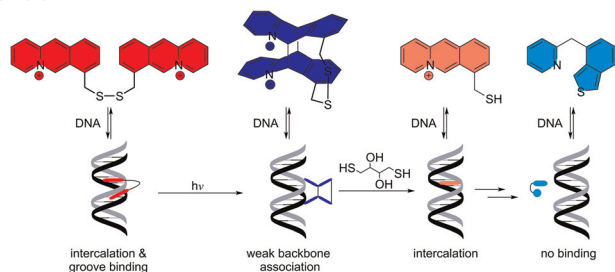
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Abhijeet V. Kamble, Aswani Raj K and Rajeswara Rao Malakalapalli*



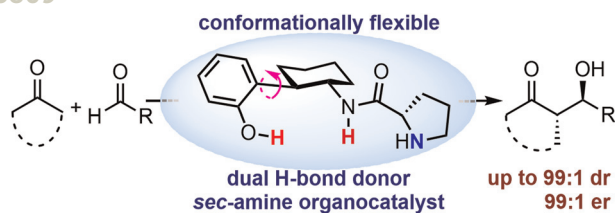
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Switching between DNA binding modes with a photo- and redox-active DNA-targeting ligand, part II: the influence of the substitution pattern

Christoph Dohmen and Heiko Ihmels*

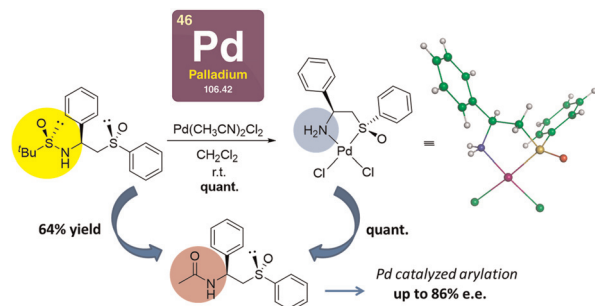
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Prolinamides containing 2-(2-aminocyclohexyl) phenols as highly enantioselective organocatalysts for aldol reactions

Tolga A. Yeşil, Taner Atalar, Mustafa Yavuz and Erkan Ertürk*

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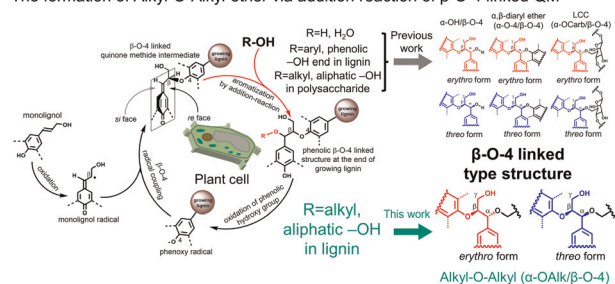


Synthesis and characterization of enantiopure chiral NH₂/SO palladium complexes

Nazaret Moreno-Rodriguez, L. Gabriel Borrego, Rocío Recio,* Victoria Valdivia, M. Carmen Nicasio, Eleuterio Álvarez, Noureddine Khair and Inmaculada Fernández*

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Formation of lignin alkyl-O-alkyl ether structures via 1,6-addition of aliphatic alcohols to β -O-4-aryl ether quinone methides

Xuhai Zhu, Dazhi Zhang, Rui Lu and Fang Lu*

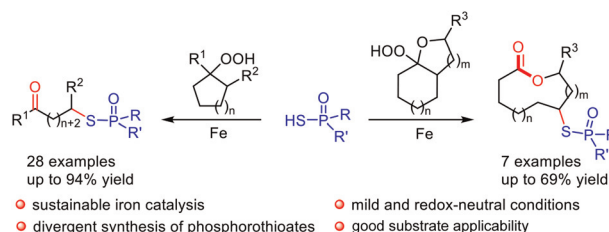


PAPERS

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Iron-catalyzed alkoxy radical-mediated C–C bond cleavage/phosphorothiolation: a new approach to functionalized *S*-alkyl phosphorothioates

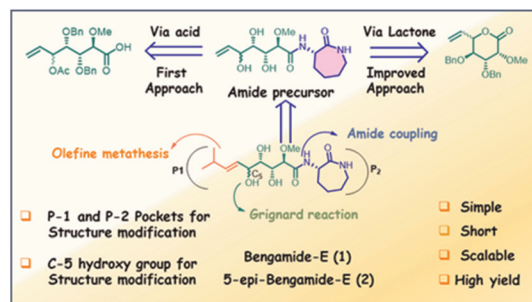
Ming Bai, Shuai Liu, Hong Xin, Xu Yang, Xin-Hua Duan and Li-Na Guo*



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A simple and efficient pathway for the total synthesis of marine natural products: bengamide E and 5-*epi*-bengamide E

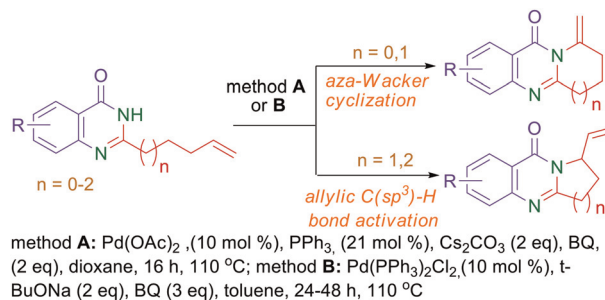
Akanksha Gupta, Praveen Ambati and Ramu Sridhar Perali*



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Pd-catalyzed oxidative amination of 2-alkenylquinazolin-4(3*H*)-ones: synthesis of methylene and vinyl derivatives of pyrrolo(pyrido)[2,1-*b*]quinazolinones

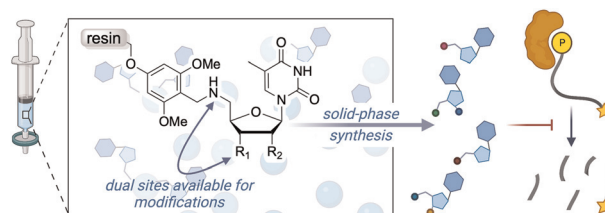
Alla I. Vaskevych,* Nataliia O. Savinchuk, Ruslan I. Vaskevych, Svitlana V. Shishkina and Mykhailo V. Vovk



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Deploying solid-phase synthesis to access thymine-containing nucleoside analogs that inhibit DNA repair nuclease SNM1A

Christine A. Arbour, Ellen M. Fay, Joanna F. McGouran and Barbara Imperiali*



EXPRESSION OF CONCERN

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Expression of concern: Total synthesis of tubulysin U and N¹⁴-desacetoxytubulysin H

Bohua Long, Cheng Tao, Yinghong Li, Xiaobin Zeng,* Meiqun Cao* and Zhengzhi Wu*

