

Organic & Biomolecular Chemistry

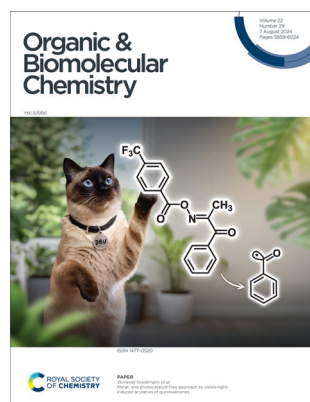
An international journal of synthetic, physical and biomolecular organic chemistry

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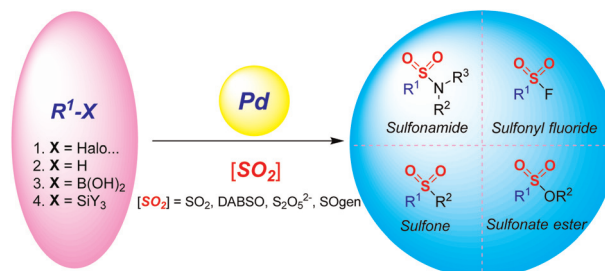
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REVIEW

5868

Recent advances in palladium-catalyzed sulfonylation via SO_2 insertion

Yu-Jiao Zhang, Meng-Ling Li, Hai-Xia Hu* and Fan Teng*

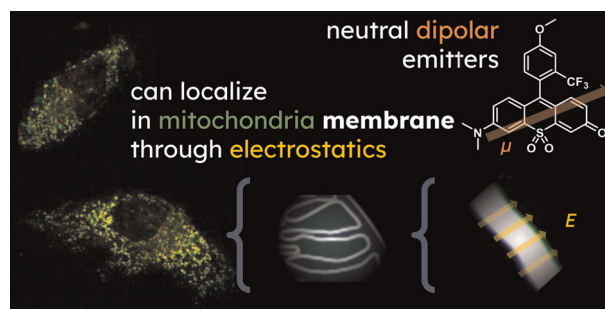


COMMUNICATIONS

5886

Neutral rhodol-based dyes expressing localization in mitochondria

Ilaria Ferraboschi, Juraj Ovčar, Kateryna V. Vygranenko, Shupei Yu, Alfonso Minervino, Antoni Wrzosek, Adam Szweczyk, Riccardo Rozza, Alessandra Magistrato, Kevin D. Belfield, Daniel T. Gryko, Luca Grisanti* and Cristina Sissa*



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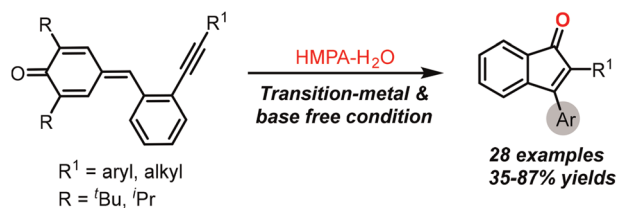
**Fundamental questions
Elemental answers**

COMMUNICATIONS

5891

A HMPA–H₂O mediated oxygenative carbocyclization of 2-alkynylphenyl-substituted *p*-quinone methides to indenones

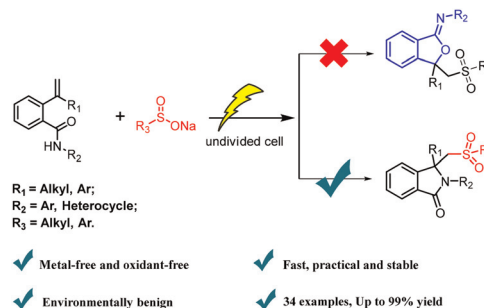
Shaheen Fatma, Feroz Ahmad, Yogesh A. Pankhade, Pavit K. Ranga and Ramasamy Vijaya Anand*



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Synthesis of 3-sulfonylisoindolin-1-ones from olefinic amides and sodium sulfinates via electrooxidative tandem cyclization

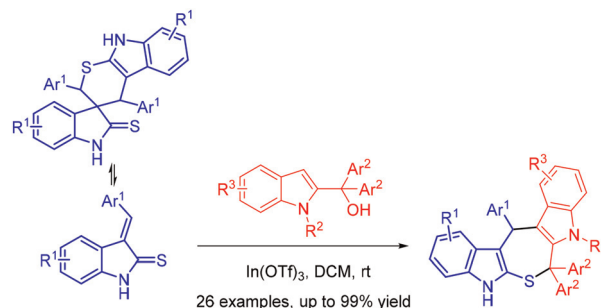
Xuecheng Wang, Ziyue Zhao, Jiajie Guo, Jijin Wang and Jincan Zhao*



5902

In(OTf)₃-catalyzed formal (4 + 3) cycloaddition reactions of 3-benzylideneindoline-2-thiones with 2-indolylmethanols

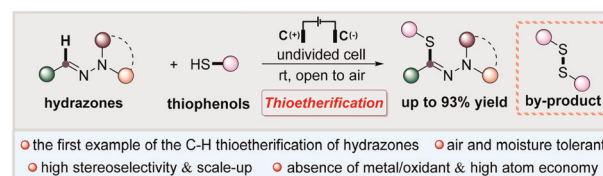
Xue-Long Wang, Yi Yang and Yan Jiang*



5907

Electrochemical oxidative thioetherification of aldehyde hydrazones with thiophenols

Meiqian Hu, Xiaolin Yang, Shuai Zhang, Changsheng Qin, Zhihua Zhang, Jingfang Wang, Fanghua Ji* and Guangbin Jiang*



COMMUNICATIONS

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- C(sp)-H bond functionalization
- Metal-free approach
- One-pot domino strategy
- Easily available starting materials

Metal-free oxidative coupling of aryl acetylene with elemental sulphur and amines: facile access to α -ketothioamides

Deepika Sharma, Rana Chatterjee,
Vasudevan Dhayalan* and Rambabu Dandela*

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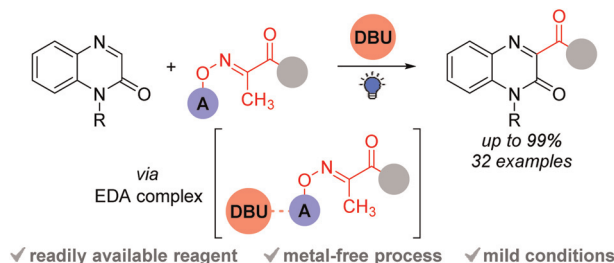
- S-N bond cleavage
- Metal-free approach
- Stable starting substrates
- Eco-friendly solvent

Metal-free efficient synthesis of aryl sulfonamides from *N*-hydroxy sulfonamide and amines

E. V. Venkat Shivaji Ramarao,
Jayshree Nandkumar Solanke, Rana Chatterjee,
Savita Gat, Vasudevan Dhayalan and Rambabu Dandela*

PAPERS

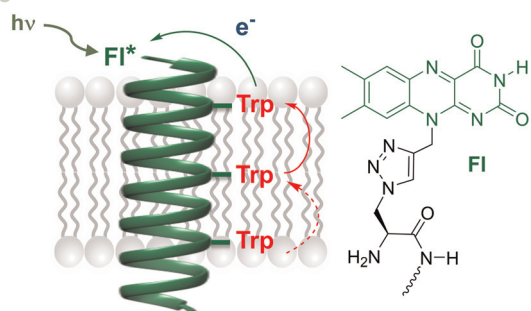
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Metal- and photocatalyst-free approach to visible-light-induced acylation of quinoxalinones

Worawat Niwetmarin,* Naiyana Saesian,
Rungroj Saruengkhanphasit, Chatchakorn Eurtivong,
Nopporn Thasana and Somsak Ruchirawat

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Flavin-induced charge separation in transmembrane model peptides

Samantha Wörner, Pascal Rauthe, Johannes Werner,
Sergii Afonin, Anne S. Ulrich, Andreas-Neil Unterreiner
and Hans-Achim Wagenknecht*

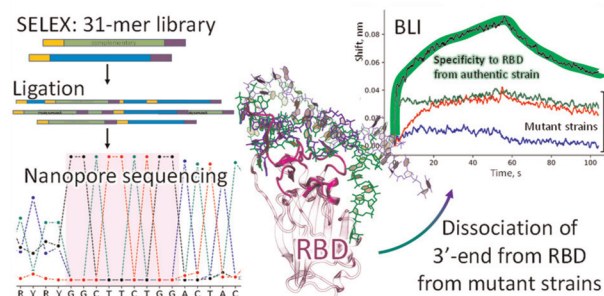


PAPERS

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A highly specific aptamer for the SARS-CoV-2 spike protein from the authentic strain

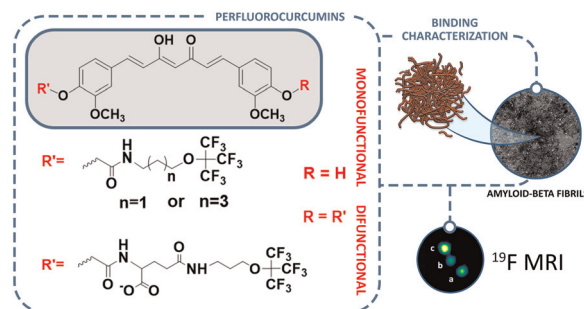
Maria G. Khrenova,* Lyudmila Nikiforova, Fedor Grabovenko, Nadezhda Orlova, Maria Sinegubova, Denis Kolesov, Elena Zavyalova, Maksim F. Subach, Igor V. Polyakov, Timofei Zatzepin and Maria Zvereva



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Synthesis of fluorinated curcumin derivatives for detecting amyloid plaques by ^{19}F -MRI

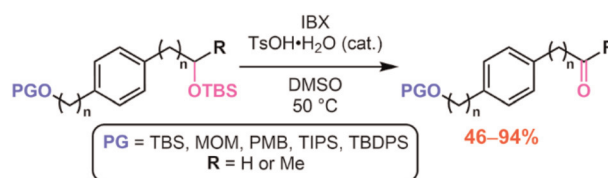
Sebastiano Micocci, Rachele Stefania,* Francesca Garello, Umberto Fasoglio, Ivan Hawala, Lorenzo Tei, Simonetta Geninatti Crich and Giuseppe Digilio



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Chemoselective one-pot cleavage and oxidation of silyl ethers to corresponding carbonyl compounds using IBX and acid catalysts

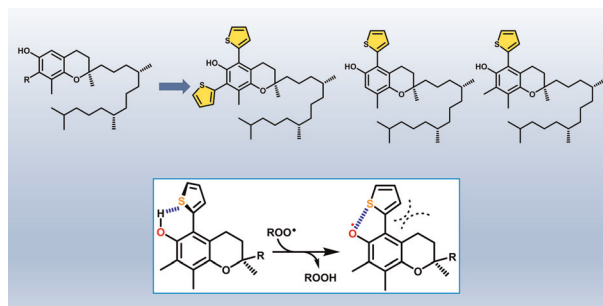
Shogo Kamo,* Kazuki Hori and Kazuyuki Sugita*



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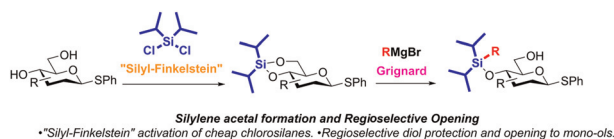
Kinetic study of the reaction of thiophene-tocopherols with peroxy radicals enlightenings the role of $\text{O}^{\bullet}\cdots\text{S}$ noncovalent interactions in H-atom transfer

Andrea Baschieri,* Zongxin Jin, Riccardo Amorati, Kristian Vasa, Allegra Baroncelli, Stefano Menichetti and Caterina Viglianisi*



PAPERS

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Silylene acetals from cheap reagents: synthesis and regioselective opening

Morten Lang Zimmermann, Daniel Marquard Feldballe and Christian Marcus Pedersen*

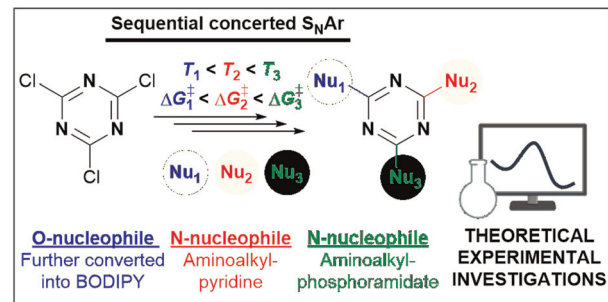
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Trifunctionalization of C=C bonds in vinyl azides to access densely functionalized phenanthridines enabled by the NCS/AgNO₂ system

Shaobo Ren,* Jian Zhu and Yunkui Liu*

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Sequential nucleophilic aromatic substitutions on cyanuric chloride: synthesis of BODIPY derivatives and mechanistic insights

Bruno da Silva Marques, Karine Nascimento de Andrade, Bárbara Pereira Peixoto, Fernando Martins dos Santos, Junior, Leandro Ferreira Pedrosa, Rodolfo Goetze Fiorot and Marcos Costa de Souza*

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Au(I)/Sc(III)-co-catalyzed tandem spiroannulation/cycloisomerization of 3-(2-ethynylaryl)-N-tosylaziridines with indoles to access 5H-benzo[b]carbazoles

Wei Wang, Lan Zheng, Wen-Jie Liang, Xin-Yi Fu, Yu-Qing Zhang, Ru-Fang Meng, Huan Zhang, Chenxiang Lin, Wei Su and Jun-An Xiao*



Xiaohong Yang, Bijoyananda Mishra, Hai Yu,* Yijun Wei
and Xi Chen*

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Yuanyuan Li, Pingping Ruan, Jian Chen, Kang Chen,
Zhaohui Ma, Li Guo, Guanghui Lv* and Yong Wu*

