

Organic & Biomolecular Chemistry

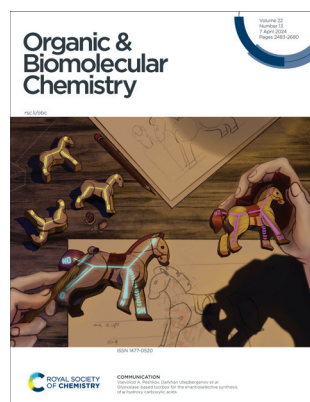
An international journal of synthetic, physical and biomolecular organic chemistry

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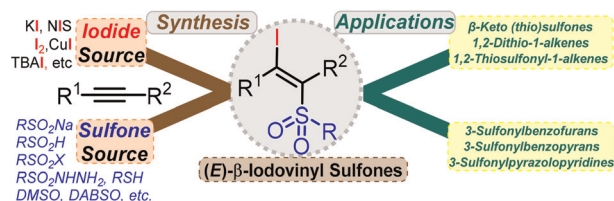
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REVIEWS

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Recent trends in the synthesis and applications of β -iodovinyl sulfones: a decade of progress

Raju Jannapu Reddy,* Jangam Jagadesh Kumar and
Arram Haritha Kumari



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Water-enabling strategies for asymmetric catalysis

Gang Wen, Xiaoming Feng and Lili Lin*

improves reactivity
or stereoselectivity

enables
chemodivergency



enables
diastereodivergency

enables
enantiodivergency



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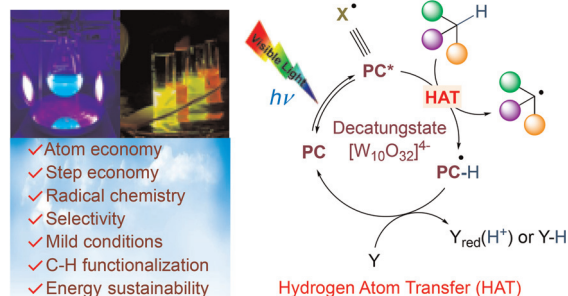
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REVIEWS

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Recent advances of decatungstate photocatalyst in HAT process

Praveen P. Singh, Surabhi Sinha, Prashant Gahtori, Shraddha Tivari and Vishal Srivastava*

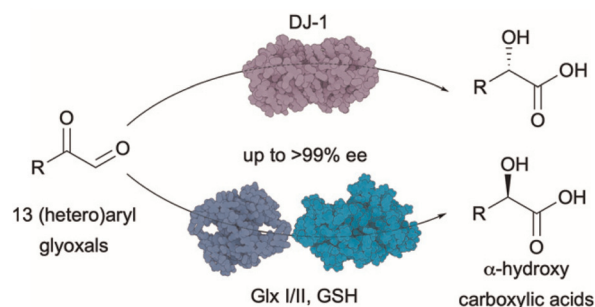


COMMUNICATIONS

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Glyoxalase-based toolbox for the enantioselective synthesis of α -hydroxy carboxylic acids

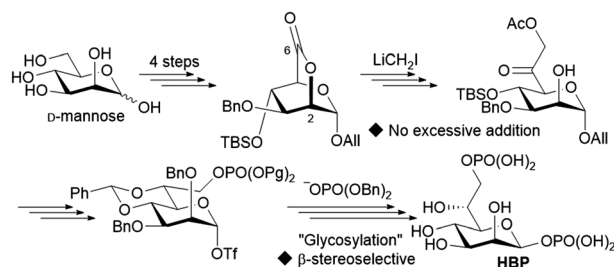
Mussa Yedigenov, Niyaz Amire, Aizat Abdirassil, Tomiris Mulikova, Azamat Begenov, Anniina Kiesilä, Anatoly A. Peshkov, Vsevolod A. Peshkov* and Darkhan Utepbergenov*



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Stereoselective synthesis of D-glycero-D-manno-heptose-1 β ,7-bisphosphate (HBP) from D-mannurono-2,6-lactone

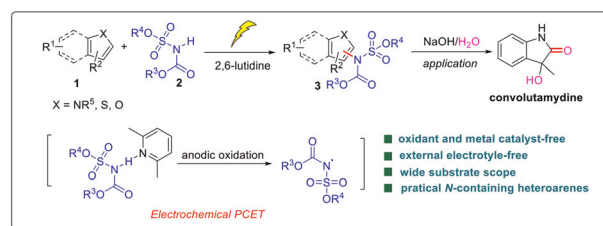
Yuta Shinotsuka, Riko Nakajima, Kohei Ogawa, Kaede Takise, Yutaka Takeuchi, Hiroshi Tanaka and Kaname Sasaki*



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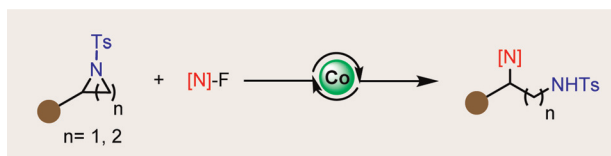
Electro-oxidative intermolecular C_{Sp2}-H amination of heteroarenes via proton-coupled electron transfer

Shuai Liu,* Xin Liu, Tian-Shu Zhang, Xiaoyu Bao, Xiaoyu Sheng, Zhenjie Qi* and Dongfang Jiang*



COMMUNICATIONS

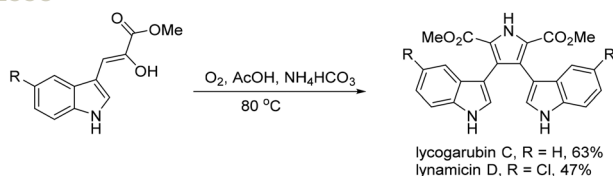
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Cobalt-catalyzed amination of aziridines and azetidines toward 1,2- and 1,3-diamines

Ling-Chao Cheng, Zhihua Wang, Xinglei He, Wangfu Liang and Ke-Yin Ye*

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A biomimetic approach to lycogarubin C, lynamycin D and related analogues

Wenxue Li and Sheng Liu*

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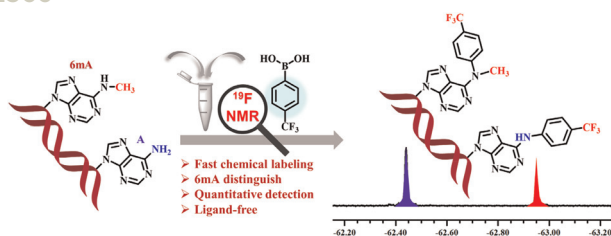
Catalyst-free visible light-promoted defunctionalization of alkyl isocyanides with a hydrosilane through C–N bond cleavage

Yu-Qing Ma and Shi-Kai Tian*

- ✓ Metal-, catalyst-, and initiator-free
- ✓ Visible light irradiation at room temperature
- ✓ Good functional group tolerance

PAPERS

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Identification and quantification of N^6 -methyladenosine by chemical derivatization coupled with ^{19}F NMR spectroscopy

Ting Jiang, Qian Zhou, Kang-Kang Yu, Shan-Yong Chen and Kun Li*

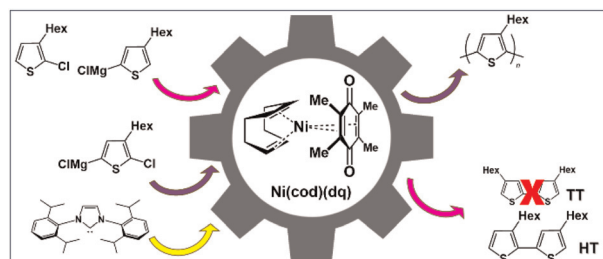


PAPERS

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A $\text{Ni}^0(\text{cod})(\text{dq})$ (COD: 1,5-cyclooctadiene; DQ: duro-quinone) complex as a catalyst precursor for oligothiophene and polythiophene synthesis

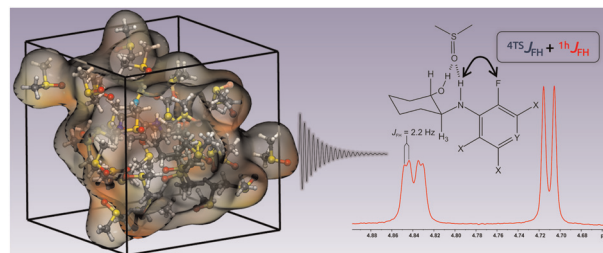
Naoki Noda, Seiha Yamaoka, Ukyo Ogi, Masaki Horie, Kentaro Okano and Atsunori Mori*



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Molecular dynamics and NMR reveal the coexistence of H-bond-assisted and through-space J_{FH} coupling in fluorinated amino alcohols

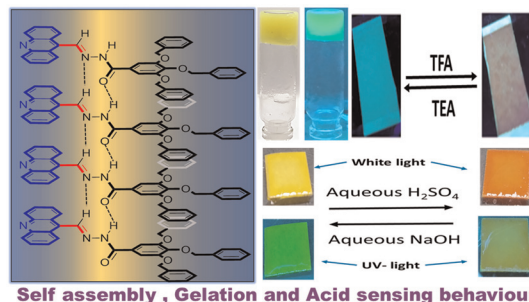
Cassia Chiari, Patrick R. Batista, Renan V. Viesser, Leonardo A. Schenberg, Lucas C. Ducati, Bruno Linclau and Cláudio F. Tormena*



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Aggregation induced emission and volatile acid vapour sensing in acridine appended poly (aryl ether) based low molecular weight organogelator

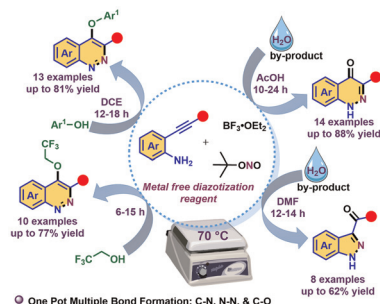
Srikanta Kumar Patra, Malay Krishna Mahato and Edamana Prasad*



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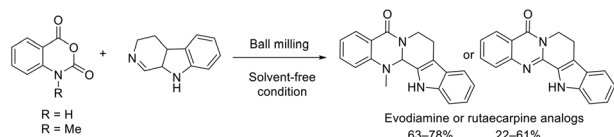
Synthesis of trifluoroethoxy/aryloxy cinnolines, cinnolinones and indazoles from *o*-alkynylanilines via metal-free diazotization reagent

Madan Kumar and Avijit Goswami*



PAPERS

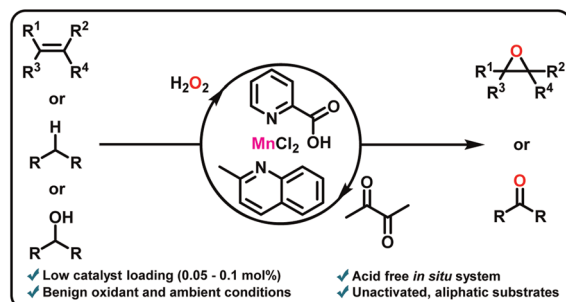
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Synthesis of bioactive evodiamine and rutaecarpine analogues under ball milling conditions

Hao-Chun Hu, Szu-Yin Yu, Yi-Hong Tsai, Pei-Wen Hsieh, Hui-Chun Wang, Yan-Ning Chen, Ya-Ting Chuang, Min-Yu Lee, Hsueh-Wei Chang, Hao-Chun Hu, Yang-Chang Wu, Fang-Rong Chang,* István Szatmári* and Ferenc Fülöp

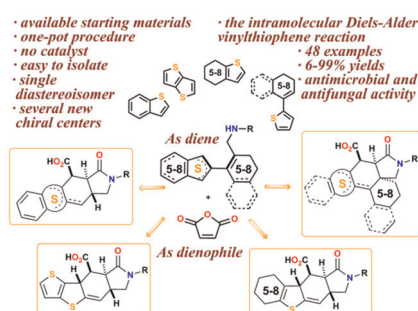
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A manganese-based catalyst system for general oxidation of unactivated olefins, alkanes, and alcohols

Dennis Verspeek, Sebastian Ahrens, Xiandong Wen, Yong Yang, Yong-Wang Li, Kathrin Junge* and Matthias Beller*

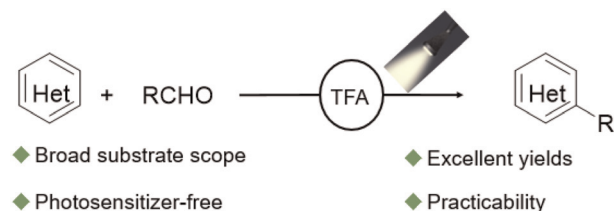
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Application of the intramolecular Diels–Alder vinylarene (IMDAV) reaction for the synthesis of benzo-, carbocyclo-, thienothiopheneiso-indolecarboxylic acids and its limitations

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A visible-light-induced photosensitizer-free decarbonylative Minisci-type reaction

Ming Qi and An-Wu Xu*

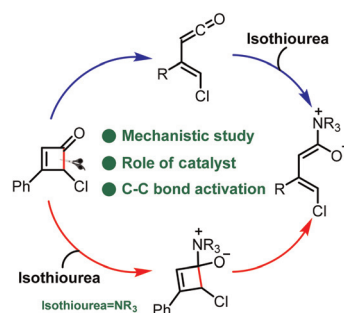


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DFT study on isothiourea-catalyzed C–C bond activation of cyclobutenone: the role of the catalyst and the origin of stereoselectivity

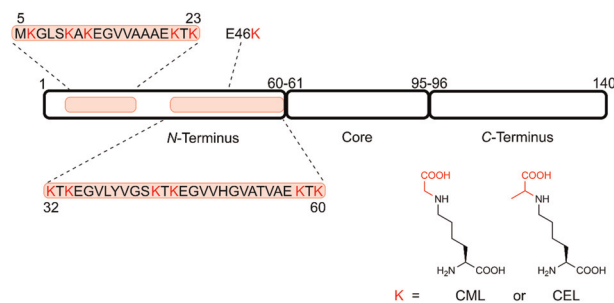
Daochang Li and Yang Wang*



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Chemical synthesis of site-selective advanced glycation end products in α -synuclein and its fragments

Clara Bosbach, Luisa Maria Gatzemeier, Katja Ilme Bloch von Blottnitz, Annekatrin König, Ulf Diederichsen, Claudia Steinem* and Tiago Fleming Outeiro*



EXPRESSION OF CONCERN

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Expression of Concern: Conjugation of substituted naphthalimides to polyamines as cytotoxic agents targeting the Akt/mTOR signal pathway

Zhi-Yong Tian, Song-Qiang Xie, Zi-Hou Mei, Jin Zhao, Wen-Yuan Gao* and Chao-Jie Wang*

CORRECTION

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Correction and removal of 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*

