

Organic & Biomolecular Chemistry

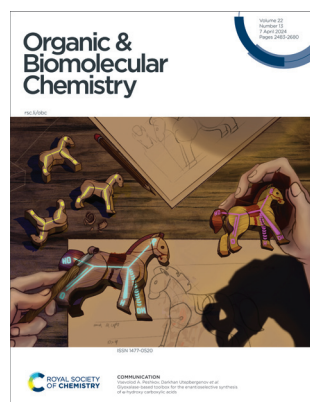
An international journal of synthetic, physical and biomolecular organic chemistry

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Cover

See Vsevolod A. Peshkov,
Darkhan Utebergenov *et al.*,
pp. 2539–2543.

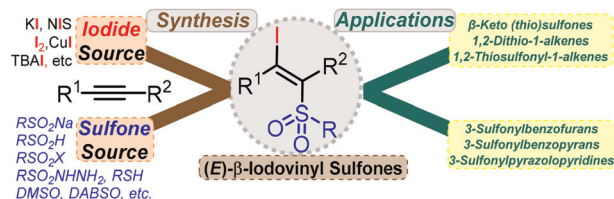
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Org. Biomol. Chem., 2024,
22, 2539.

REVIEWS

2492

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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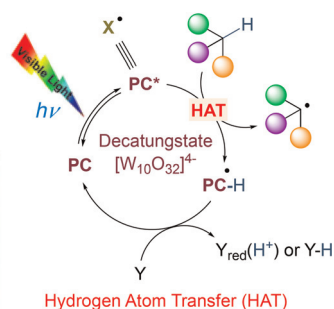
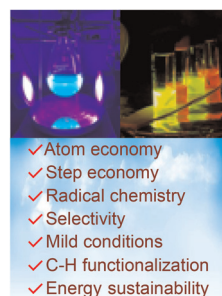
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REVIEWS

2523

Recent advances of decatungstate photocatalyst in HAT process

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

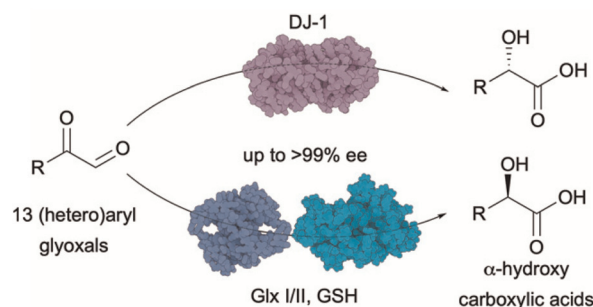


COMMUNICATIONS

2539

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

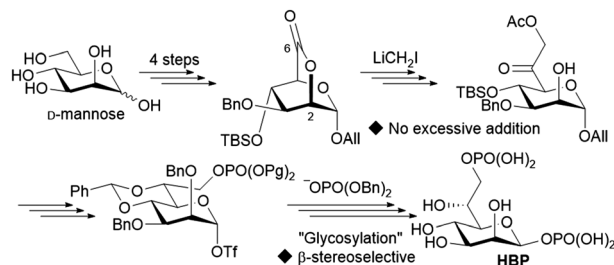
Mussa Yedigenov, Niyaz Amire, Aizat Abdirassil, Tomiris Mulikova, Azamat Begenov, Anniina Kiesilä, Anatoly A. Peshkov, Vsevolod A. Peshkov* and Darkhan Utepbergenov*



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

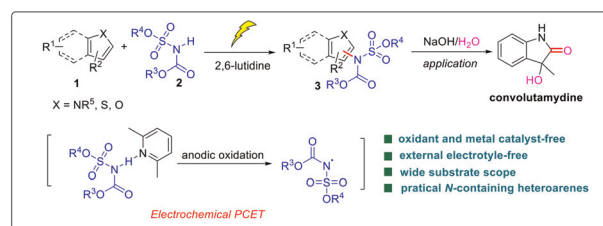
Yuta Shinotsuka, Riko Nakajima, Kohei Ogawa, Kaede Takise, Yutaka Takeuchi, Hiroshi Tanaka and Kaname Sasaki*



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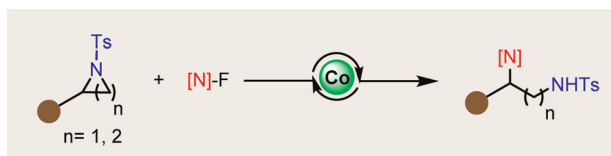
Electro-oxidative intermolecular C_{Sp2}-H amination of heteroarenes via proton-coupled electron transfer

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



COMMUNICATIONS

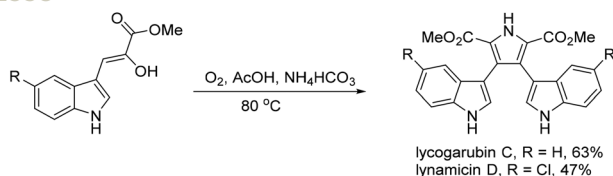
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Cobalt-catalyzed amination of aziridines and azetidines toward 1,2- and 1,3-diamines

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

2558



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

Wenxue Li and Sheng Liu*

2562



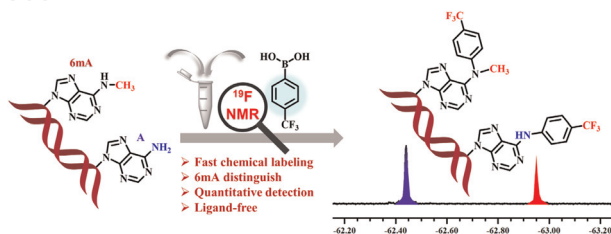
- ✓ Metal-, catalyst-, and initiator-free
- ✓ Visible light irradiation at room temperature
- ✓ Good functional group tolerance

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

Yu-Qing Ma and Shi-Kai Tian*

PAPERS

2566

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*

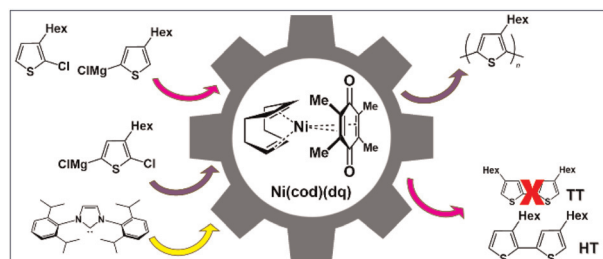


PAPERS

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A Ni⁰(cod)(dq) (COD: 1,5-cyclooctadiene; DQ: duro-quinone) complex as a catalyst precursor for oligothiophene and polythiophene synthesis

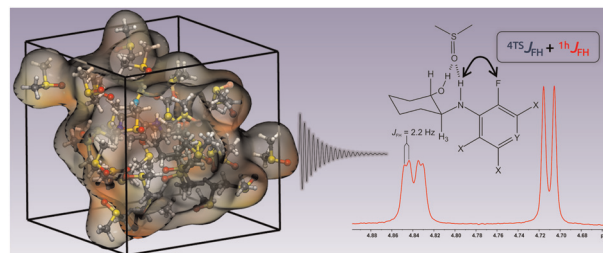
Naoki Noda, Seiha Yamaoka, Ukyo Ogi, Masaki Horie, Kentaro Okano and Atsunori Mori*



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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

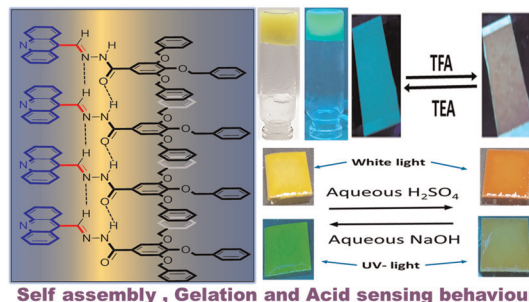
Cassia Chiari, Patrick R. Batista, Renan V. Viesser, Leonardo A. Schenberg, Lucas C. Ducati, Bruno Linclau and Cláudio F. Tormena*



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

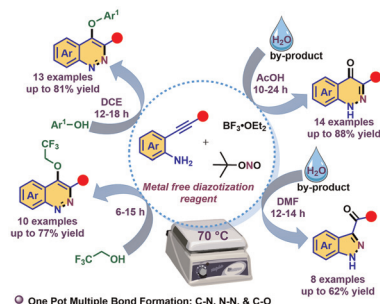
Srikanta Kumar Patra, Malay Krishna Mahato and Edamana Prasad*



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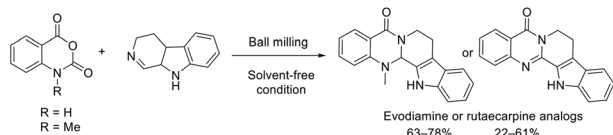
Synthesis of trifluoroethoxy/aryloxy cinnolines, cinnolinones and indazoles from o-alkynylanilines via metal-free diazotization reagent

Madan Kumar and Avijit Goswami*



PAPERS

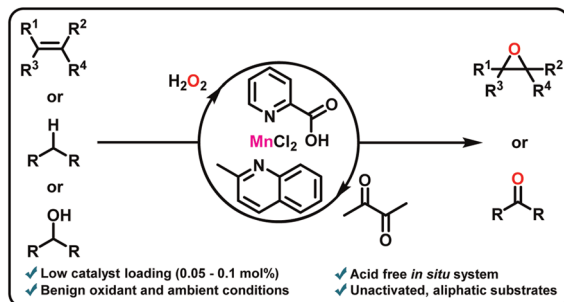
2620



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

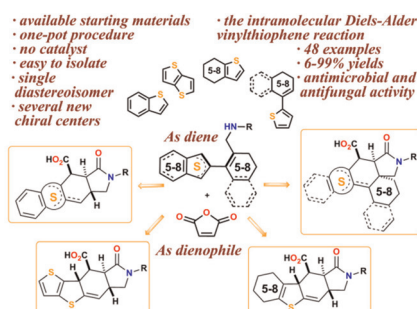
2630



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*

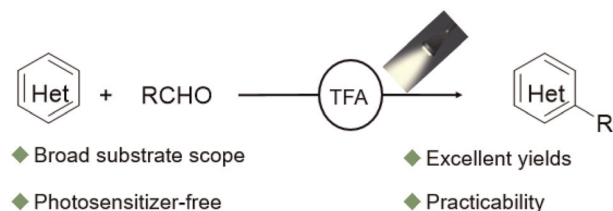
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Application of the intramolecular Diels–Alder vinylarene (IMDAV) reaction for the synthesis of benzo-, carbocyclo-, thienothiopheneiso-indolecarboxylic acids and its limitations

Elizaveta D. Yakovleva, Evgeniya R. Shelukho, Maryana A. Nadirova, Pavel P. Erokhin, Daria N. Simakova, Victor N. Khrustalev, Mikhail S. Grigoriev, Anton P. Novikov, Anna A. Romanycheva, Anton A. Shetnev, Olga P. Bychkova, Alexey S. Trenin, Fedor I. Zubkov and Vladimir P. Zaytsev*

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

Ming Qi and An-Wu Xu*

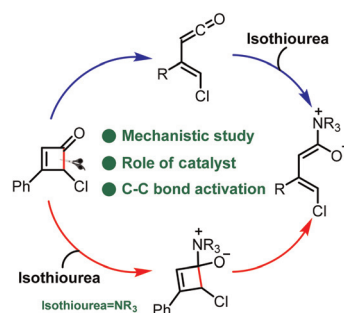


PAPERS

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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

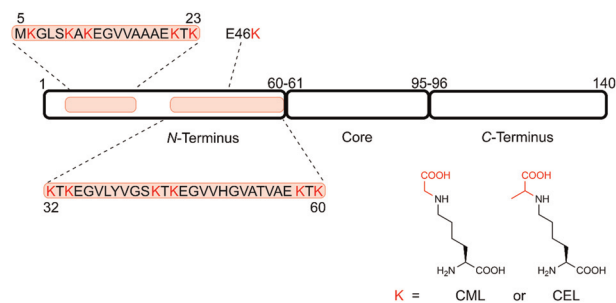
Daochang Li and Yang Wang*



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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

2678

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*

