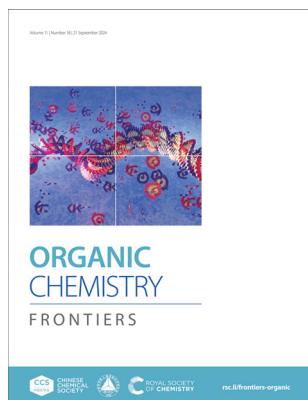
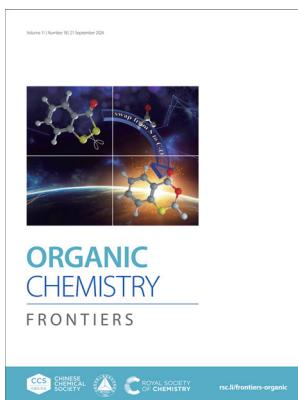


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**Cover**

See L. Sánchez, F. García et al., pp. 4970–4978.

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See Yao Zhou et al., pp. 4979–4985.

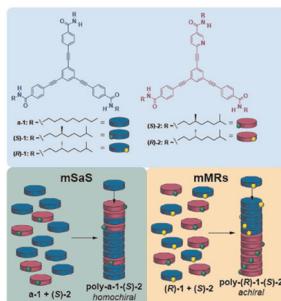
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RESEARCH ARTICLES

4970

Pyridine-based tricarboxamides: complementary monomers for supramolecular copolymerization with C_3 -symmetric oligophenylenetricarboxamides

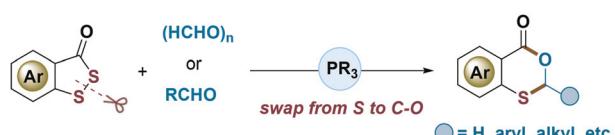
L. López-Gandul, L. Sánchez* and F. García*



4979

Skeletal editing of benzodithiol-3-ones for the assembly of benzo[*d*][1,3]oxathiin-4-ones

Wenxin Lv, Xuan Kong, Yushang Qing, Jing Zheng, Yuan Yin, Yao Zhou* and Dunjia Wang



- skeletal editing of benzo[*c*][1,2]dithiol-3-ones
- oxidant-free
- readily scalable
- no inert gas protection
- mild conditions
- good yields
- simple operation



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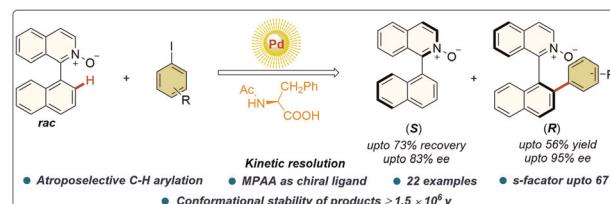


RESEARCH ARTICLES

4986

Synthesis of axially chiral biaryls via Pd(II)-catalysed direct C(sp²)-H arylation

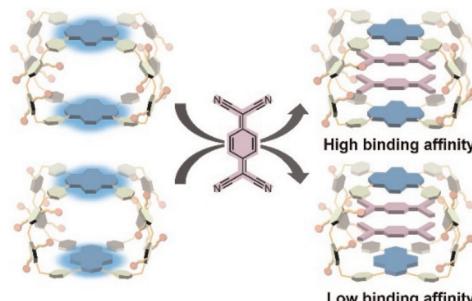
Diksha Parmar, Rohit Kumar, Sarthi, Akhilesh K. Sharma*, and Upendra Sharma*



4992

Two pyrene-based cagearene constitutional isomers: synthesis, separation, and host–guest chemistry

Yating Li, Shang Li, Mengbin Wang, Li Shao, Shuai Fang,* Bin Hua* and Feihe Huang*



4997

Iron-catalyzed cascade cyclization of diaryldiyn-3-ones with P(O)H compounds: a rapid method for accessing 10-phosphorylated benzo[b]fluorenones

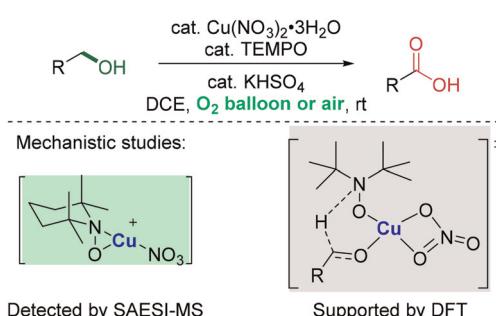
Yinwei Cao, Yue Ying, Jieyi Wu, Fushan Chen,* Guo Tang* and Yufen Zhao



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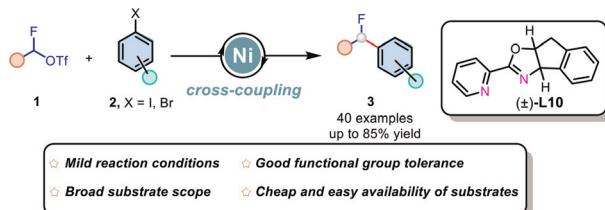
Mechanistic studies on Cu(NO₃)₂/TEMPO-catalyzed aerobic oxidation of alcohols to carboxylic acids

Yibo Yu, Zhao Sun, Yin-Long Guo,* Xue Zhang,* Hui Qian* and Shengming Ma*



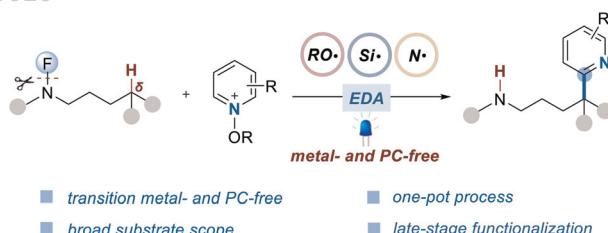
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5010

**Nickel-catalyzed reductive cross-coupling of monofluoroalkyl triflates with aryl halides for monofluoroalkylated arenes**

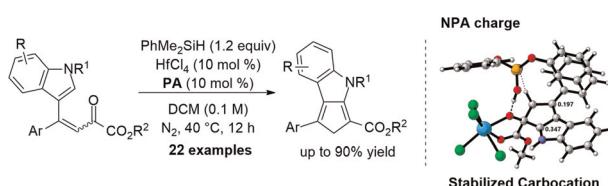
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**Remote $C(sp^3)$ -H heteroarylation of *N*-fluoroaryl-sulfonamides via a silyl radical process under visible light irradiation**

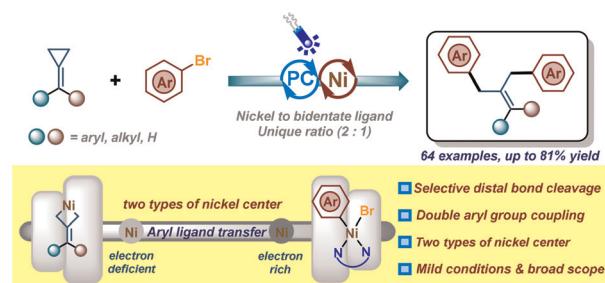
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Man Wang, Junyan Zhao, Junda Zhao, Ran Song, Daoshan Yang, Long Zhang* and Jian Lv*

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**Ni/photoredox-catalyzed coupling of aryl bromides and methylenecyclopropanes via selective distal bond cleavage**

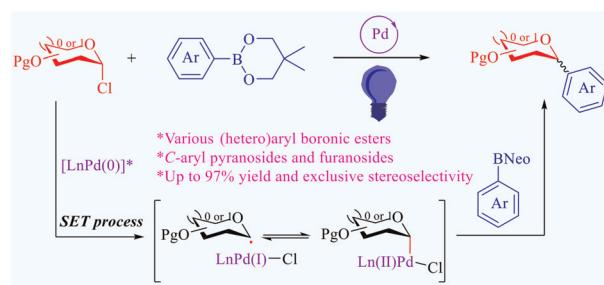
Ben Mao, Min Shi* and Yin Wei*

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Visible light induced palladium-catalyzed Suzuki–Miyaura cross-coupling of glycosyl chlorides to form C-aryl glycosides

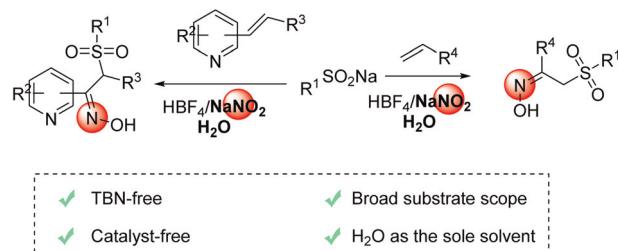
Jinsheng Lai, Yufeng Zhang, Ying Zhan, Zhuoyi Zhou, Zhen Wang, Hui Liu, Qingju Zhang,* Jian-Song Sun and Liming Wang*



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Facile synthesis of α -sulfonyl ketoximes from alkenes using sodium sulfinic acid and NaNO_2 in water

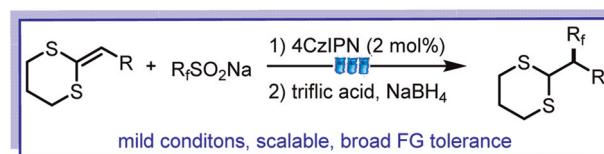
Zhenlei Zhang,* Ning Zhu and Tianheng Liu



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Photoinduced regioselective trifluoroalkylation of ketene dithioacetals with $\text{CF}_3\text{SO}_2\text{Na}$

Xiaoxiao Yang, Xinyue Ma, Pan Zhou, Shuaiqi Lu, Yongxin Zhang and Chao Shu*



5067

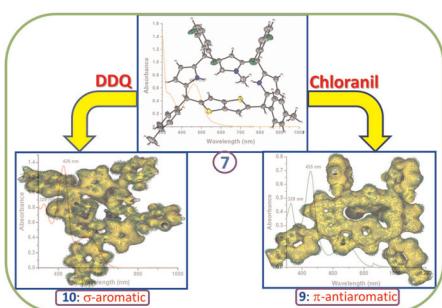
A visible-light-induced cascade cyclization strategy for the synthesis of N,S-containing polycyclic compounds

Shichao Yang, Ruihua Zhao, Dan Liu, Huanfeng Jiang, Gui-Juan Cheng* and Wanqing Wu*



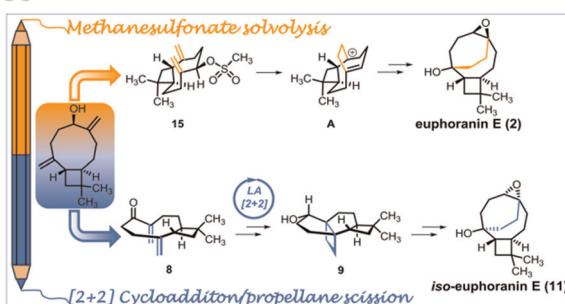
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X-ray characterization of core-modified N-confused fused porphyrinogen and genesis of $\pi(\sigma)$ (anti)aromatic N-confused fused porphyrinoids
Manik Jana, Gunasekaran Velmurugan, Peter Comba* and Harapriya Rath*

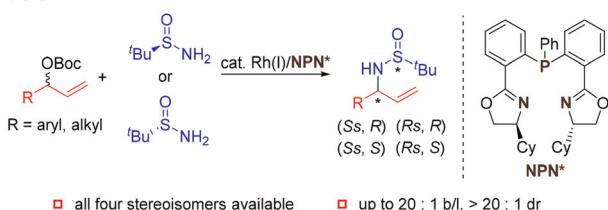
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Bridgehead epoxide iso-euphoranin E from β -caryophyllene oxide via sequential cationic formation and scission of [4.3.2]propellane

Georgijs Stakanovs,* Dace Rasina, Sergey Belyakov, Artis Kinens and Aigars Jirgensons*

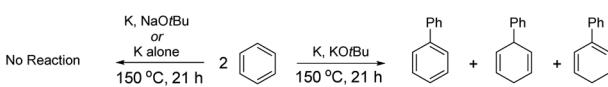
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Rh-catalyzed asymmetric allylation of *tert*-butanesulfinamide

Min Liu and Changkun Li*

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Reductive activation of arenes by potassium metal with potassium salts

Giuseppe Nocera, Iain Robb, Kenneth F. Clark, Thomas M. McGuire, Laura Evans, Shunsuke Chiba and John A. Murphy*

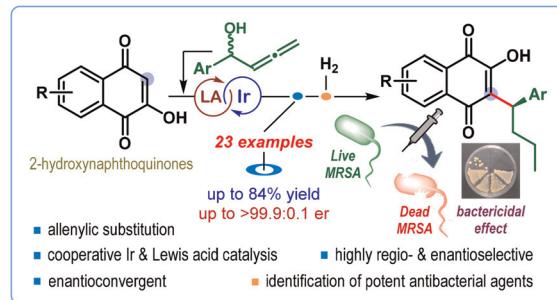


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Rational design of naphthoquinone-based antibacterial agents through iridium-catalyzed enantioselective β -allenylation of 2-hydroxynaphthoquinones

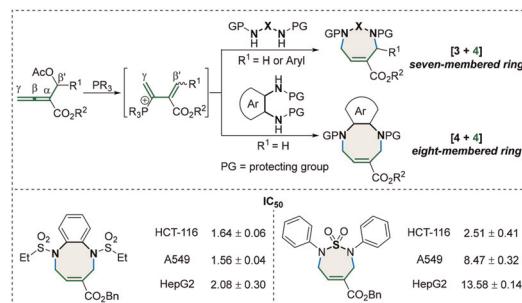
Aditya Chakrabarty, Komal Jaiswal, Mrinmoy De* and Santanu Mukherjee*



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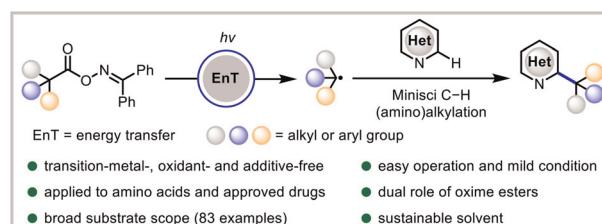
Chunjie Ni,* Zhanhang Liang, Xiaojuan Xu, Fan Yu, Yining Zhao* and Chen Chen*



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Energy-transfer photocatalysis for Minisci C–H (amino)alkylation of heteroarenes using oxime esters as dual-role reagents

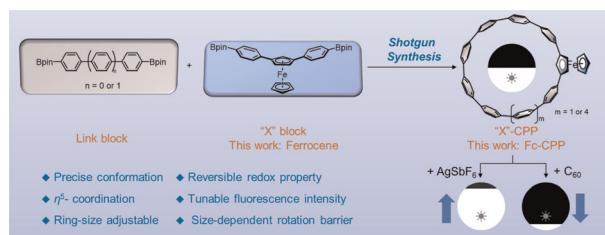
Jun Xu, Yuru Zhang, Ruiyuan Xu, Yuxin Wang, Jiabin Shen* and Wanmei Li*



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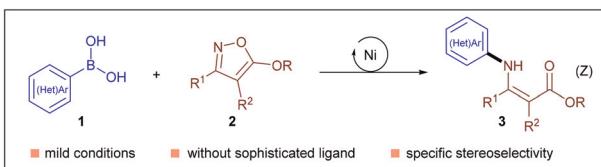
Ferrocene-based conjugated macrocycles: shotgun synthesis, size-dependent properties and tunable fluorescence intensity

Lingyun Zhu, Jingdong Xu, Bin Lan, Xinyu Chen, Hideya Kono, Hui Xu, Jianfeng Yan, Wenjuan Li, Akiko Yagi, Yaofeng Yuan, Kenichiro Itami and Yuanming Li*



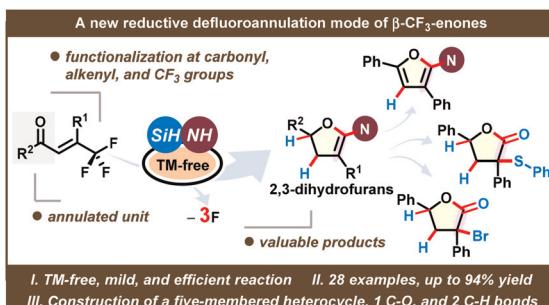
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**Nickel-catalysed C–N cross-coupling of organoboronic acids and isoxazoles**

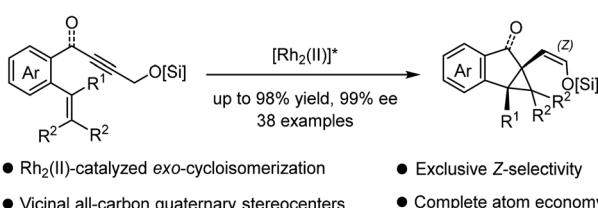
Yupeng Zhao, Changshu Wu, Jiaming Zhang, Yang Gao,* Zhuoxuan Yuan, Xianwei Li, Qian Chen and Yanping Huo

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**Multi-functionalization of β -trifluoromethyl enones enabled 2,3-dihydrofuran synthesis**

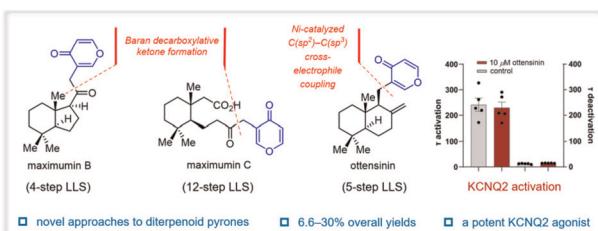
Ya-Fei Hu, Wei Han, Ye-Kun Chen, Mengtao Ma, Zhi-Liang Shen* and Xue-Qiang Chu*

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**Dirhodium(II)-catalyzed regio- and stereoselective cycloisomerization towards 6,5,3-tricyclic skeletons containing vicinal all-carbon quaternary stereocenters**

Zurong Xu, Jiajun Lu, Huanfeng Jiang, Rui Wu* and Shifa Zhu*

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**Concise syntheses of (+)-maximumins B and C and (+)-ottensinin**

Qing-Xin Li, Lin-Lin Wang, Yue-Ming Zheng, Zhao-Bing Gao,* Jin-Xin Zhao* and Jian-Min Yue*

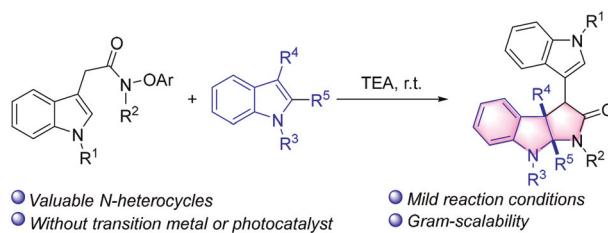


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Synthesis of indolyl pyrroloindolines via a cascade arylation/cyclization of indole acetamides with 3-substituted indoles

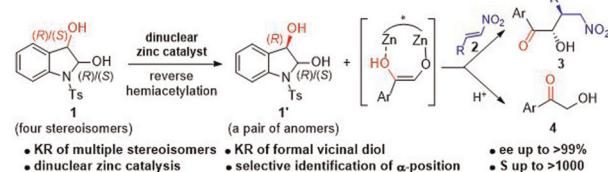
Wei Zhang, Shuai Han, Si-Yi Zhang, Dong-Xiao Jiang, Jinjin Chen, Zhen Wang* and Yao-Fu Zeng*



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Dinuclear zinc catalysis of a kinetic resolution strategy for distinguishing one pair of diastereoisomers from multiple stereoisomers

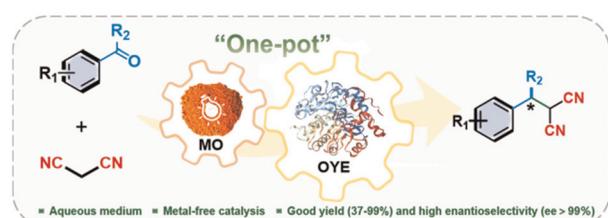
Ying-Hui Zhai, Jia-Qi Wen, Meng-Meng Liu*, Guang-Jian Mei, Shi-Kun Jia,* Min-Can Wang and Yuan-Zhao Hua*



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One-pot photoenzymatic synthesis of β -chiral malononitrile derivatives

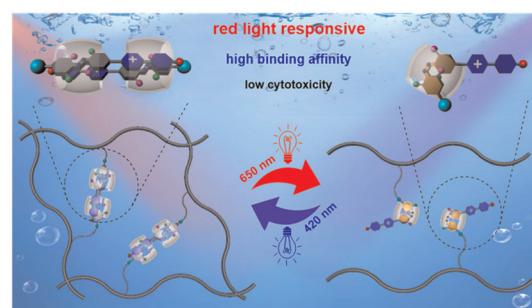
Xin-Yue Fan, Yuan Yu, Ru-De Lin, Yao Yao, Ming-Liang Shi, Kun Li, Xiao-Qi Yu, Yan-Hong Liu* and Na Wang*



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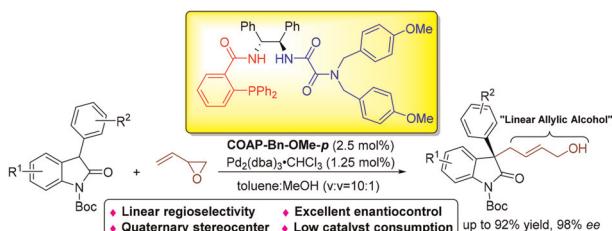
Red-light-responsive cucurbit[8]uril based host–guest interaction enabling the construction of a photoswitchable supramolecular polymeric hydrogel

Yan-Yan Yuan, Yu Hai, Li-Juan Liu, Tian-Guang Zhan,* Li-Chun Kong and Kang-Da Zhang*



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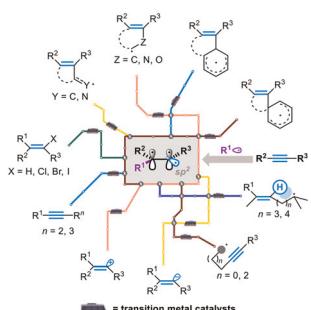
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**COAP/Pd-catalyzed asymmetric linear allylic alkylation for synthesizing chiral 3,3'-disubstituted oxindoles bearing all-carbon quaternary stereocenters and primary allylic alcohol structures**

Wen-Kai Liu, Bai-Lin Wang, Xing-Yun Sun, Jia-Yu Song and Xing-Wang Wang*

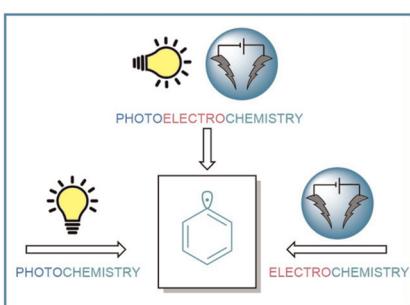
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**Vinyl radicals in transition metal-catalyzed organic transformations**

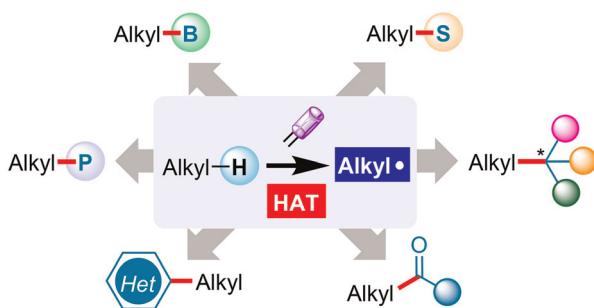
Mu-Han Li, Xiao-Rong Shu, Yue-Jiao Lu, Wen-Chan Tian, Yu He, Qiang Li, Zheng-Jun Wang,* Guo-Ping Ge* and Wen-Ting Wei*

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**Modern photo- and electrochemical approaches to aryl radical generation**

Krzysztof Grudzień, Andrei Zlobin, Jan Zadworny, Katarzyna Rybicka-Jasińska* and Bartłomiej Sadowski*

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**Visible-light induced direct $C(sp^3)-H$ functionalization: recent advances and future prospects**

Jia-Lin Tu, Yining Zhu, Pengcheng Li* and Binbin Huang*



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Recent advances in electrochemical difunctionalization of alkenes and alkynes for the synthesis of organohalides

Yu Zheng,* Wenguang Lu, Chunxi Chen, Yanju Lu and Shenlin Huang*

