大连化物所科技论文奖励申报表

（近期热点论文奖）

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| **论文题目** | **Rhodium(III)-Catalyzed C-C and C-O Coupling of Quinoline N-Oxides with Alkynes: Combination of C-H Activation with O-Atom Transfer** | | | | |
| **作者（英文）** | Zhang, Xueyun; Qi, Zisong; Li, Xingwei\* | | | | |
| **作者（中文）** | 张学云，戚自松，李兴伟\* | | | | |
| **期刊名称** | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION | | | | |
| **发表日期** | 2014 | **卷** | **53** | **起止页码** | 10794-10798 |
| **总引用次数** | **36** | | | **他引次数** | 29 |
| **填表人** | 我保证填写内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **通讯作者** | 我保证申报内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **研究组长** | 我已按管理办法和申报说明对申报内容进行了审核，保证申报内容的真实性，若填报失实和违反管理办法，本人将承担全部责任。  **签字 年 月 日** | | | | |

**说明**：1、申请本年度近期热点论文奖的论文发表时间为2014-2015年；2、引用检索数库为Web of Science数据库核心合集的SCI-E，他引次数须超过25次；3、引用数据检索截止时间为2015年12月31日。4、他引：是指剔除了申报奖励论文（即被引用论文）所有作者的全部引用文献。例：某篇申报奖励论文有作者a、b、c、d、e，他引是指引用此篇论文的所有文献作者中，不能有a、b、c、d、e的任何一位。

近期热点论文奖引用论文清单

**（他引）**

**一、引用论文第一产权单位为国外机构**

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| **第 1 条，共 14 条** |
| **标题:** Rh-III-Catalyzed Dehydrogenative Coupling of Quinoline N-Oxides with Alkenes: N-Oxide as Traceless Directing Group for Remote C-H Activation |
| **作者:** Sharma, R (Sharma, Ritika); Kumar, R (Kumar, Rakesh); Kumar, I (Kumar, Inder); Sharma, U (Sharma, Upendra) |
| **来源出版物:** EUROPEAN JOURNAL OF ORGANIC CHEMISTRY  **期:** 34  **页:** 7519-7528  **DOI:** 10.1002/ejoc.201501246  **出版年:** DEC 2015 |

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| **第 2 条，共 14 条** |
| **标题:** Synthesis of 8-Aminoquinolines by Using Carbamate Reagents: Facile Installation and Deprotection of Practical Amidating Groups |
| **作者:** Gwon, D (Gwon, Donghyeon); Hwang, H (Hwang, Heejun); Kim, HK (Kim, Hye Kyung); Marder, SR (Marder, Seth R.); Chang, S (Chang, Sukbok) |
| **来源出版物:** CHEMISTRY-A EUROPEAN JOURNAL  **卷:** 21  **期:** 48  **页:** 17200-17204  **DOI:** 10.1002/chem.201503511  **出版年:** NOV 23 2015 |

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| **第 3 条，共 14 条** |
| **标题:** Recent advances in the C-H-functionalization of the distal positions in pyridines and quinolines |
| **作者:** Stephens, DE (Stephens, David E.); Larionov, OV (Larionov, Oleg V.) |
| **来源出版物:** TETRAHEDRON  **卷:** 71  **期:** 46  **页:** 8683-8716  **DOI:** 10.1016/j.tet.2015.08.034  **出版年:** NOV 18 2015 |

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| **第 4 条，共 14 条** |
| **标题:** Catalytic Formation of alpha-Aryl Ketones by C-H Functionalization with Cyclic Alkenyl Carbonates and One-Pot Synthesis of Isocoumarins |
| **作者:** Hara, Y (Hara, Yusuke); Onodera, S (Onodera, Shunsuke); Kochi, T (Kochi, Takuya); Kakiuchi, F (Kakiuchi, Fumitoshi) |
| **来源出版物:** ORGANIC LETTERS  **卷:** 17  **期:** 19  **页:** 4850-4853  **DOI:** 10.1021/acs.orglett.5b02414  **出版年:** OCT 2 2015 |

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| **第5 条，共 14 条** |
| **标题:** Transition-Metal-Catalyzed Site-Selective C-H Functionalization of Quinolines beyond C2 Selectivity |
| **作者:** Iwai, T (Iwai, Tomohiro); Sawamura, M (Sawamura, Masaya) |
| **来源出版物:** ACS CATALYSIS  **卷:** 5  **期:** 9  **页:** 5031-5040  **DOI:** 10.1021/acscatal.5b01143  **出版年:** SEP 2015 |

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| **第 6 条，共 14 条** |
| **标题:** Cp\*Ir(III)-Catalyzed Mild and Broad C-H Arylation of Arenes and Alkenes with Aryldiazonium Salts Leading to the External Oxidant-Free Approach |
| **作者:** Shin, K (Shin, Kwangmin); Park, SW (Park, Sung-Woo); Chang, S (Chang, Sukbok) |
| **来源出版物:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY  **卷:** 137  **期:** 26  **页:** 8584-8592  **DOI:** 10.1021/jacs.5b04043  **出版年:** JUL 8 2015 |

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| **第 7 条，共 14 条** |
| **标题:** Distant C-H Activation/Functionalization: A New Horizon of Selectivity Beyond Proximity |
| **作者:** Sharma, R (Sharma, Ritika); Thakur, K (Thakur, Kavita); Kumar, R (Kumar, Rakesh); Kumar, I (Kumar, Inder); Sharma, U (Sharma, Upendra) |
| **来源出版物:** CATALYSIS REVIEWS-SCIENCE AND ENGINEERING  **卷:** 57  **期:** 3  **页:** 345-405  **DOI:** 10.1080/01614940.2015.1058623  **出版年:** JUL 3 2015 |

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| **第 8 条，共 14 条** |
| **标题:** Ru-Catalyzed Redox-Neutral Cleavage of the N-O Bond in Isoxazolidines: Isatogens to Pseudoindoxyls via a One-Pot [3+2]-Cycloaddition/N-O Cleavage |
| **作者:** Kumar, CVS (Kumar, Chepuri V. Suneel); Ramana, CV (Ramana, Chepuri V.) |
| **来源出版物:** ORGANIC LETTERS  **卷:** 17  **期:** 12  **页:** 2870-2873  **DOI:** 10.1021/acs.orglett.5b00837  **出版年:** JUN 19 2015 |

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| **第 9 条，共 14 条** |
| **标题:** Selective Cyclization of Arylnitrones to Indolines under External Oxidant-Free Conditions: Dual Role of Rh(III) Catalyst in the C-H Activation and Oxygen Atom Transfer |
| **作者:** Dateer, RB (Dateer, Ramesh B.); Chang, S (Chang, Sukbok) |
| **来源出版物:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY  **卷:** 137  **期:** 15  **页:** 4908-4911  **DOI:** 10.1021/jacs.5b01065  **出版年:** APR 22 2015 |

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| **第 10 条，共 14 条** |
| **标题:** Regioselective functionalisation of dibenzothiophenes through gold-catalysed intermolecular alkyne oxyarylation |
| **作者:** Barrett, MJ (Barrett, Matthew J.); Davies, PW (Davies, Paul W.); Grainger, RS (Grainger, Richard S.) |
| **来源出版物:** ORGANIC & BIOMOLECULAR CHEMISTRY  **卷:** 13  **期:** 32  **页:** 8676-8686  **DOI:** 10.1039/c5ob01241d  **出版年:** 2015 |

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| **第 11 条，共 14 条** |
| **标题:** Experimental and mechanistic analysis of the palladium-catalyzed oxidative C8-selective C-H homocoupling of quinoline N-oxides |
| **作者:** Stephens, DE (Stephens, David E.); Lakey-Beitia, J (Lakey-Beitia, Johant); Chavez, G (Chavez, Gabriel); Ilie, C (Ilie, Carla); Arman, HD (Arman, Hadi D.); Larionov, OV (Larionov, Oleg V.) |
| **来源出版物:** CHEMICAL COMMUNICATIONS  **卷:** 51  **期:** 46  **页:** 9507-9510  **DOI:** 10.1039/c5cc02227d  **出版年:** 2015 |

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| **第 12 条，共 14 条** |
| **标题:** Copper-catalyzed oxygen atom transfer of N-oxides leading to a facile deoxygenation procedure applicable to both heterocyclic and amine N-oxides |
| **作者:** Jeong, J (Jeong, Jisu); Lee, D (Lee, Donggun); Chang, S (Chang, Sukbok) |
| **来源出版物:** CHEMICAL COMMUNICATIONS  **卷:** 51  **期:** 32  **页:** 7035-7038  **DOI:** 10.1039/c5cc01739d  **出版年:** 2015 |

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| **第 13 条，共 14 条** |
| **标题:** Palladium-Catalyzed C8-Selective C-H Arylation of Quinoline N-Oxides: Insights into the Electronic, Steric, and Solvation Effects on the Site Selectivity by Mechanistic and DFT Computational Studies |
| **作者:** Stephens, DE (Stephens, David E.); Lakey-Beitia, J (Lakey-Beitia, Johant); Atesin, AC (Atesin, Abdurrahman C.); Atesin, TA (Atesin, Tuelay A.); Chavez, G (Chavez, Gabriel); Arman, HD (Arman, Hadi D.); Larionov, OV (Larionov, Oleg V.) |
| **来源出版物:** ACS CATALYSIS  **卷:** 5  **期:** 1  **页:** 167-175  **DOI:** 10.1021/cs501813v  **出版年:** JAN 2015 |

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| **第 14 条，共 14 条** |
| **标题:** Rh(III)-Catalyzed Traceless Coupling of Quinoline N-Oxides with Internal Diarylalkynes |
| **作者:** Sharma, U (Sharma, Upendra); Park, Y (Park, Yoonsu); Chang, S (Chang, Sukbok) |
| **来源出版物:** JOURNAL OF ORGANIC CHEMISTRY  **卷:** 79  **期:** 20  **页:** 9899-9906  **DOI:** 10.1021/jo501995c  **出版年:** OCT 17 2014 |

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**二、引用论文第一产权单位为国内机构**

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| **第 1 条，共 15 条** |
| **标题:** Cascade Synthesis of 3-Alkylidene Dihydrobenzofuran Derivatives via Rhodium(III)-Catalyzed Redox-Neutral C-H Functionalization/Cyclization |
| **作者:** Zhou, Z (Zhou, Zhi); Liu, GX (Liu, Guixia); Chen, Y (Chen, Yan); Lu, XY (Lu, Xiyan) |
| **来源出版物:** ORGANIC LETTERS  **卷:** 17  **期:** 23  **页:** 5874-5877  **DOI:** 10.1021/acs.orglett.5603060  **出版年:** DEC 4 2015 |

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| **第 2 条，共 15 条** |
| **标题:** One-Pot Synthesis of 3-Iminoisoindolinones by a Rhodium(III)-Catalyzed and Methanol-Assisted C-H Cyanation-Cyclization Cascade with N-Alkoxyl Transfer |
| **作者:** Jia, JL (Jia, Jinlong); Liu, XL (Liu, Xuelei); Shi, JJ (Shi, Jingjing); Xu, HE (Xu, H. Eric); Yi, W (Yi, Wei) |
| **来源出版物:** ASIAN JOURNAL OF ORGANIC CHEMISTRY  **卷:** 4  **期:** 11  **页:** 1250-1253  **DOI:** 10.1002/ajoc.201500294  **出版年:** NOV 2015 |

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| **第 3 条，共 15 条** |
| **标题:** Rhodium(III)-Catalyzed C-H Activation/Alkyne Annulation by Weak Coordination of Peresters with O-O Bond as an Internal Oxidant |
| **作者:** Mo, JY (Mo, Jiayu); Wang, LH (Wang, Lianhui); Cui, XL (Cui, Xiuling) |
| **来源出版物:** ORGANIC LETTERS  **卷:** 17  **期:** 20  **页:** 4960-4963  **DOI:** 10.1021/acs.orglett.5b02291  **出版年:** OCT 16 2015 |

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| **第 4 条，共 15 条** |
| **标题:** Redox-Neutral Rhodium-Catalyzed C-H Functionalization of Arylamine N-Oxides with Diazo Compounds: Primary C(sp(3))-H/C(sp(2))-H Activation and Oxygen-Atom Transfer |
| **作者:** Zhou, B (Zhou, Bing); Chen, ZQ (Chen, Zhaoqiang); Yang, YX (Yang, Yaxi); Ai, W (Ai, Wen); Tang, HY (Tang, Huanyu); Wu, YX (Wu, Yunxiang); Zhu, WL (Zhu, Weiliang); Li, YC (Li, Yuanchao) |
| **来源出版物:** ANGEWANDTE CHEMIE-INTERNATIONAL EDITION  **卷:** 54  **期:** 41  **页:** 12121-12126  **DOI:** 10.1002/anie.201505302  **出版年:** OCT 5 2015 |

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| **第 5 条，共 15 条** |
| **标题:** Rhodium(III)-Catalyzed Redox-Neutral C-H Annulation of Arylnitrones and Alkynes for the Synthesis of Indole Derivatives |
| **作者:** Zhou, Z (Zhou, Zhi); Liu, GX (Liu, Guixia); Chen, Y (Chen, Yan); Lu, XY (Lu, Xiyan) |
| **来源出版物:** ADVANCED SYNTHESIS & CATALYSIS  **卷:** 357  **期:** 13  **页:** 2944-2950  **DOI:** 10.1002/adsc.201500580  **出版年:** SEP 14 2015 |

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| **第 6 条，共 15 条** |
| **标题:** Rhodium-Catalyzed CH Annulation of Nitrones with Alkynes: A Regiospecific Route to Unsymmetrical 2,3-Diaryl-Substituted Indoles |
| **作者:** Yan, H (Yan, Hao); Wang, HL (Wang, Haolong); Li, XC (Li, Xincheng); Xin, XY (Xin, Xiaoyi); Wang, CX (Wang, Chunxiang); Wan, BS (Wan, Boshun) |
| **来源出版物:** ANGEWANDTE CHEMIE-INTERNATIONAL EDITION  **卷:** 54  **期:** 36  **页:** 10613-10617  **DOI:** 10.1002/anie.201503997  **出版年:** SEP 1 2015 |

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| **第 7 条，共 15 条** |
| **标题:** Mechanistic Understanding of the Divergent Reactivity of Cyclopropenes in Rh(III)-Catalyzed C-H Activation/Cycloaddition Reactions of N-Phenoxyacetamide and N-Pivaloxybenzamide |
| **作者:** Guo, W (Guo, Wei); Xia, YZ (Xia, Yuanzhi) |
| **来源出版物:** JOURNAL OF ORGANIC CHEMISTRY  **卷:** 80  **期:** 16  **页:** 8113-8121  **DOI:** 10.1021/acs.joc.5b01201  **出版年:** AUG 21 2015 |

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| **第 8 条，共 15 条** |
| **标题:** Zinc-Catalyzed Alkyne Oxidation/CH Functionalization: Highly Site-Selective Synthesis of Versatile Isoquinolones and -Carbolines |
| **作者:** Li, L (Li, Long); Zhou, B (Zhou, Bo); Wang, YH (Wang, Yong-Heng); Shu, C (Shu, Chao); Pan, YF (Pan, Yi-Fei); Lu, X (Lu, Xin); Ye, LW (Ye, Long-Wu) |
| **来源出版物:** ANGEWANDTE CHEMIE-INTERNATIONAL EDITION  **卷:** 54  **期:** 28  **页:** 8245-8249  **DOI:** 10.1002/anie.201502553  **出版年:** JUL 6 2015 |

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| **第 9条，共 15 条** |
| **标题:** Mechanistic Understanding of the Aryl-Dependent Ring Formations in Rh(III)-Catalyzed C-H Activation/Cycloaddition of Benzamides and Methylenecyclopropanes by DFT Calculations |
| **作者:** Guo, W (Guo, Wei); Zhou, T (Zhou, Tao); Xia, YZ (Xia, Yuanzhi) |
| **来源出版物:** ORGANOMETALLICS  **卷:** 34  **期:** 12  **页:** 3012-3020  **DOI:** 10.1021/acs.organomet.5b00317  **出版年:** JUN 22 2015 |

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| **第 10 条，共 15 条** |
| **标题:** Rh-V-Nitrenoid as a Key Intermediate in Rh-III-Catalyzed Heterocyclization by CH Activation: A Computational Perspective on the Cycloaddition of Benzamide and Diazo Compounds |
| **作者:** Zhou, T (Zhou, Tao); Guo, W (Guo, Wei); Xia, YZ (Xia, Yuanzhi) |
| **来源出版物:** CHEMISTRY-A EUROPEAN JOURNAL  **卷:** 21  **期:** 25  **页:** 9209-9218  **DOI:** 10.1002/chem.201500558  **出版年:** JUN 15 2015 |

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| **第 11 条，共 15 条** |
| **标题:** Realized C-H Functionalization of Aryldiazo Compounds via Rhodium Relay Catalysis |
| **作者:** Qiu, L (Qiu, Lin); Huang, DR (Huang, Daorui); Xu, GY (Xu, Guangyang); Dai, ZY (Dai, Zhenya); Sun, JT (Sun, Jiangtao) |
| **来源出版物:** ORGANIC LETTERS  **卷:** 17  **期:** 7  **页:** 1810-1813  **DOI:** 10.1021/acs.orglett.5b00674  **出版年:** APR 3 2015 |

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| **第 12 条，共 15 条** |
| **标题:** C-H Functionalization Induced by the Oxidizing Directing Group |
| **作者:** Hu, ZY (Hu Zhiyong); Tong, XF (Tong Xiaofeng); Liu, GX (Liu Guixia) |
| **来源出版物:** CHINESE JOURNAL OF ORGANIC CHEMISTRY  **卷:** 35  **期:** 3  **页:** 539-555  **DOI:** 10.6023/cjoc201412050  **出版年:** MAR 2015 |

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| **第 13 条，共 15 条** |
| **标题:** Transition metal-catalyzed C-H bond functionalizations by the use of diverse directing groups |
| **作者:** Chen, ZK (Chen, Zhengkai); Wang, BJ (Wang, Binjie); Zhang, JT (Zhang, Jitan); Yu, WL (Yu, Wenlong); Liu, ZX (Liu, Zhanxiang); Zhang, YH (Zhang, Yuhong) |
| **来源出版物:** Organic Chemistry Frontiers  **卷:** 2  **期:** 9  **页:** 1107-1295  **DOI:** 10.1039/c5qo00004a  **出版年:** 2015 |

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| **第 14 条，共 15 条** |
| **标题:** O-Transfer-facilitated cyclizations of propargylamides with TMSN3: selective synthesis of tetrazoles and dihydroimidazoles |
| **作者:** Hu, YC (Hu, Yancheng); Yi, RX (Yi, Ruxia); Yu, XZ (Yu, Xinzhang); Xin, XY (Xin, Xiaoyi); Wang, CX (Wang, Chunxiang); Wan, BS (Wan, Boshun) |
| **来源出版物:** CHEMICAL COMMUNICATIONS  **卷:** 51  **期:** 84  **页:** 15398-15401  **DOI:** 10.1039/c5cc05715a  **出版年:** 2015 |

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| **第 15 条，共 15 条** |
| **标题:** Rh(III)-catalyzed and alcohol-involved carbenoid C-H insertion into N-phenoxyacetamides using alpha-diazomalonates |
| **作者:** Zhou, J (Zhou, Jie); Shi, JJ (Shi, Jingjing); Liu, XL (Liu, Xuelei); Jia, JL (Jia, Jinlong); Song, HC (Song, Huacan); Xu, HE (Xu, H. Eric); Yi, W (Yi, Wei) |
| **来源出版物:** CHEMICAL COMMUNICATIONS  **卷:** 51  **期:** 27  **页:** 5868-5871  **DOI:** 10.1039/c5cc00354g  **出版年:** 2015 |