

姓名	周荣	性别	男	职务	教师	
学历学位	博士	职称	教授	联系方式	13623518406	
硕导	是	博导	是	研究方向	有机磷化学，有机光化学	
个人简介	2007年毕业于湖南师范大学化学化工学院化学专业，获理学学士学位； 2010年毕业于南开大学化学学院有机化学专业，获理学硕士学位； 2013年毕业于南开大学化学学院有机化学专业，获理学博士学位； 2013年7月起在太原理工大学工作； 2016年1月至2018年4月于新加坡国立大学从事博士后研究。					
主持或参与项目	主持国家自然科学基金青年基金（基于 Kukhtin-Ramirez 加合物的环化反应及插入反应研究）、山西省自然科学基金青年基金（基于 Huisgen 两性例子的环化反应研究）各一项；主持山西省高校科技创新项目（三价磷试剂促进下 1, 2-二羰基化合物与缺电子烯烃的环化反应研究及三配位磷试剂促进下 1, 2-二羰基化合物对 C-X 键的插入反应研究）两项；主持太原理工大学校基金两项；以第一参与人参与国家自然科学基金面上项目一项。					
获奖情况	2014 年度太原理工大学青年教师教学基本功竞赛二等奖					
主要学术兼职	有机化学国际主流期刊如 <i>Org. Lett.</i> ; <i>Chem. Commun.</i> ; <i>Adv. Synth. Cat.</i> ; <i>J. Org. Chem.</i> 等审稿人。					
	(1) Zhang, H.; Liu, R.; Liu, J.; Fan, B.; Li, R.; Qiao, Y.; Zhou, R.* "Chemoselective Phosphine-Catalyzed Cyanoacylation of α -Dicarbonyl Compounds: A General Method for Synthesis of Cyanohydrin Esters with One Quaternary Stereocenter"					

代表性著作及专利

- New. J. Chem.* **2018**, 42, 19720-19728.
- (2) Liu, R.; Han, L.; Liu, J.; Fan, B.; Li, R.*; Qiao, Y.; **Zhou, R.*** "Facile synthesis of 2,3-disubstituted benzofurans via DBU-promoted intramolecular annulation of *ortho* oxyether aroylformates" *Synth. Commun.* **2018**, 48, 3079-3088..
 - (3) Gao, W.-C.*; Cheng, Y.-F.; Shang, Y.-Z.; Chang, H.-H.; Li, X.; **Zhou, R.***; Qiao, Y.; Wei, W.-L. "Copper(II)-Catalyzed Four-Component Oxsulfonylation/Diazenylation: Synthesis of α -Arylhydrazo- β -keto Sulfones" *J. Org. Chem.* **2018**, 83, 11956-11962.
 - (4) **Zhou, R.***; Zhang, H.; Liu, J.; Liu, R.; Gao, W.-C.; Qiao, Y.; Li, R. "Chemoselective P(NMe₂)₃-Mediated Reductive Epoxidation between Two Different Carbonyl Electrophiles: Synthesis of Highly Functionalized Unsymmetrical Epoxides" *J. Org. Chem.* **2018**, 83, 8272-8280.
 - (5) **Zhou, R.**; Goh Y. Y.; Liu, H.; Tao, H.; Li, L.; Wu, J.* "Visible-Light-Mediated Metal-Free Hydrosilylation of Alkenes through Selective Hydrogen Atom Transfer for Si-H Activation" *Angew. Chem. Int. Ed.* **2017**, 56, 16621-16625.
 - (6) **Zhou, R.**; Liu, H.; Tao, H.; Yu, X.; Wu, J.* "Metal-free direct alkylation of unfunctionalized allylic/benzylic sp³ C-H bonds via photoredox induced radical cation deprotonation" *Chem. Sci.* **2017**, 8, 4654-4659.
 - (7) **Zhou, R.***; Han, L.; Zhang, H.; Liu, R.*; Li, R. "A Deoxygenative [4 + 1] Annulation Involving *N*-Acyldiazenes for Efficient Synthesis of 2,2,5-Trisubstituted 1,3,4-Oxadiazole Derivatives" *Adv. Synth. Cat.* **2017**, 359, 3977-3982.
 - (8) **Zhou, R.***; Liu, R.; Zhang, K.; Han, L.; Zhang, H.; Gao, W.*; Li, R. "Metal-Free Formal Carbon Halogen Bond Insertion: Facile Syntheses of 3-Halo 3,3'-Disubstitutedoxindoles and Spirooxindole- γ -butyrolactones" *Chem. Commun.* **2017**, 53, 6860-6863.
 - (9) Gao, W.-C.,* Liu, T., Cheng, Y.-F., Chang, H.-H., Li, X., **Zhou, R.***, Wei, W.-L., Qiao, Y. "AlCl₃-Catalyzed Intramolecular Cyclization of *N*-Arylpropynamides with *N*-Sulfanylsuccinimides: Divergent Synthesis of 3-Sulphenyl Quinolin-2-ones and Azaspiro[4,5]trienones" *J. Org. Chem.* **2017**, 82, 13459-13467.
 - (10) **Zhou, R.***; Zhang, K.; Han, L.; Chen, Y.; Li, R.; He, Z. "Unusual Formal [1+4]

Annulation through Tandem P(NMe₂)₃-Mediated
Cyclopropanation/Base-Catalyzed Cyclopropane Rearrangement: Facile
Syntheses of Cyclopentenimines and Cyclopentenones" *Chem. Eur. J.* **2016**, 22,
5883-5887.

- (11) **Zhou, R.***; He, Z. "Advances in Annulation Reactions Initiated by Phosphorus
Ylides Generated in situ" *Eur. J. Org. Chem.* **2016**, 1937-1954.
- (12) **Zhou, R.***, Zhang, K., Rongfang Liu "Facile Synthesis of Bisphosphine
Monoxides from Morita-Baylis-Hillman Carbonates" *Phosphorus Sulfur and
Silicon Relat. Elem.* **2016**, 191, 885-890.
- (13) **Zhou, R.***; Zhang, K.; Chen, Y.; Meng, Q.; Liu, Y.; Li, R.; He, Z.*
"P(NMe₂)₃-mediated reductive [1 + 4] annulation of isatins with enones: a facile
synthesis of spirooxindole-dihydrofurans" *Chem. Commun.* **2015**, 51,
14663-14666.
- (14) Yang, C.; Li, J.; **Zhou, R.***; Chen, X.; Gao, Y.; He, Z.* "Facile synthesis of
spirooxindole-pyrazolines and spirobenzofuranone-pyrazolines and their
fungicidal activity" *Org. Biomol. Chem.* **2015**, 13, 4869-4878. (**Cover Article**)
- (15) **Zhou, R.***; Yang, C.; Liu, Y.; Li, R.; He, Z.* "Diastereoselective Synthesis of
Functionalized Spirocyclopropyl Oxindoles via P(NMe₂)₃-Mediated Reductive
Cyclopropanation" *J. Org. Chem.* **2014**, 79, 10709-10715.
- (16) **Zhou, R.***; Liu, R.; Li, R.; He, Z.* "Progress in Phosphine-Promoted
Annulations between Two Electrophiles" *Chin. J. Org. Chem.* **2014**, 34,
2385-2405. (**Cover Article**)
- (17) **Zhou, R.**; Duan, C.; Yang, C.; He, Z.* "Phosphane-Catalyzed [4+1] Annulation
between Nitroalkenes and Morita-Baylis-Hillman Carbonates: Facile Synthesis
of Isoxazoline N-Oxides by Phosphorus Ylides" *Chem. Asian J.* **2014**, 9,
1183-1189.
- (18) **Zhou, R.**; Wang, J.; Yu, J.; He, Z.* "Highly Chemoselective Rauhut-Currier
Reaction between Maleimides and Enones and Dual Phosphine-Mediated
One-Pot Synthesis of Bicyclic and Polycyclic Skeletons" *J. Org. Chem.* **2013**, 78,
10596-10604.
- (19) **Zhou, R.**; Wang, J.; Duan, C.; He, Z.* "Phosphine-Triggered Tandem Annulation

between Morita-Baylis-Hillman Carbonates and Dinucleophiles: Facile Syntheses of Oxazepanes, Thiazepanes, and Diazepanes” *Org. Lett.* **2012**, *14*, 6134-6137.

- (20) **Zhou, R.**; Wang, J.; Tian, J.; He, Z.* “Phosphine-catalyzed [4 + 2] annulation and vinylogous addition reactions between 1,4-dien-3-ones and 1,1-dicyanoalkenes” *Org. Biomol. Chem.* **2012**, *10*, 773-781.
- (21) **Zhou, R.**; Wang, J.; Song, H.; He, Z.* “Phosphine-Catalyzed Cascade [3 + 2] Cyclization-Allylic Alkylation, [2 + 2 + 1] Annulation, and [3 + 2] Cyclization Reactions between Allylic Carbonates and Enones” *Org. Lett.* **2011**, *13*, 580-583.
- (22) **Zhou, R.**; Wang, C.; Song, H.; He, Z.* “Wittig Olefination between Phosphine, Aldehyde, and Allylic Carbonate: A General Method for Stereoselective Synthesis of Trisubstituted 1,3-Dienes with Highly Variable Substituents” *Org. Lett.* **2010**, *12*, 976-979. (**Highlighted in Organic Chemistry Portal**)
- (23) Tian J.; **Zhou, R.**; Sun, H.; Song, H.; He, Z.* “Phosphine-Catalyzed [4 + 1] Annulation between β -Unsaturated Imines and Allylic Carbonates: Synthesis of 2-Pyrrolines” *J. Org. Chem.* **2011**, *76*, 2374-2378.
- (24) Wang, J.; **Zhou, R.**; He, Z.-R.; He, Z.* “Phosphane-Mediated Domino Synthesis of Tetrasubstituted Furans from Simple Terminal Activated Olefins” *Eur. J. Org. Chem.* **2012**, *30*, 6033-6041.
- (25) Tian, J.; Sun, H.; **Zhou, R.**; He, Z.* “Phosphine-Catalyzed Annulations between Modified Allylic Derivatives and Polar Dienes and Substituent Effect on the Annulation Mode” *Chin. J. Chem.* **2013**, *31*, 1348-1351.

专利情况:

1. **周荣**, 刘蓉芳, 孙文阳, 李瑞丰 “一种羟吡啶螺环丙烷衍生物及其合成方法” 授权时间: 2016 年; 专利号: ZL201410346966.0
2. **周荣**, 刘蓉芳, 李春生, 孙嫵, 胡一雯, 王彦笛 “一种离子液体辅助微波辐射法合成铁酸锰纳米线材料的合成方法” 授权时间: 2014 年; 专利号: ZL201310549046.4