

CURRICULUM VITAE

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EMPLOYMENT

01.2019 to present Guizhou Normal University Associate Professor
07.2015 to 12.2018 Guizhou Normal University Lecturer
01.2010 to 08.2012 Southwest Synthetic Pharmaceutical Co., Ltd Synthetic
Researcher

EDUCATIONAL BACKGROUND

08.2022 to present Kyoto University Visiting Scholar
(Advisor: Prof. Keiji Maruoka, Research Field: Organocatalysis)
09.2012 to 06.2015 University of Chinese Academy of Sciences Ph. D.
(Advisor: Prof. Xiao-Ying Xu and Prof. Wei-Cheng Yuan, Research Field:
Organocatalysis)
09.2007 to 12.2009 Chongqing University M. Sc.
(Advisor: Prof. Xiao-Hua Zhou, Research Field: Modification of Natural Polymers)
09.2002 to 06.2006 Northwest Agriculture and Forestry University B. Sc.
(Life Sciences)

LIST OF RESEARCH PROJECTS

- [1] the National Natural Science Foundation of China (21762013)
- [2] the Science and Technology Project of Guizhou Province (Qian Ke He Ji Chu [2020] 1Y029)

- [3] the Science and Technology Project of Guizhou Province (Qian Ke He Ping Tai Ren Cai [2017] 5726)
- [4] the Science and Technology Project of Guizhou Province (Qian Ke He LH Zi [2016] 7220)
- [5] the Science and Technology Development Project of Education Department of Guizhou Province for Young Talents (Qian Jiao He KY Zi [2016] 133)

LIST OF PUBLICATIONS

- [1] **Lin Chen**, and Wei Liang. Phase-transfer catalyzed Michael/ammonolysis cascade reactions of enamines and olefinic azlactones: a new approach to structurally diverse quinoline-2,5-diones. *Org. Biomol. Chem.* **2022**, *20*, 3201-3210.
- [2] **Lin Chen**, Hui-Yan Geng, Zheng-Jun Chen, Wei Liang, and Wen-Ya Jiao. Rapid entry to bispiro heterocycles merging five pharmacophores using phase-transfer catalysis. *Tetrahedron Lett.* **2021**, *78*, 153276.
- [3] You-Fen Li, Zheng-Jun Chen, Wen-Ya Jiao, Zhi-Jiao Chen and **Lin Chen**. Syntheses of Spiro(2-oxopyrrolidinyl)-5,4'-pyrazolones via Organocatalyzed Michael/Ammonolysis Cascade Reaction of 4-Aminopyrazolones and α,β -Unsaturated Acyl Phosphates. *Synlett* **2021**, *32*, 923-929.
- [4] Zheng-Jun Chen, Wei Liang, Zhuo Chen and **Lin Chen**. Phase-Transfer Catalytic Strategy: Rapid Synthesis of Spiro-Fused Heterocycles, Integrated with Four Pharmacophores-Succinimide, Pyrrolidine, Oxindole, and Trifluoromethyl Group. *Eur. J. Org. Chem.* **2021**, *2021*, 788-793.
- [5] Jun Wang, Jinjun He, Jinsheng Zhang, Zhiming Chen, Jinfu Liang and **Lin Chen**. Controllable and reversible sensing cyanide ion using dual-functional Cu(II)-based ensemble. *Spectrochim. Acta A.* **2021**, *252*, 119526.
- [6] **Lin Chen** and Jin He. DABCO-Catalyzed Michael/Alkylation Cascade Reactions Involving α -Substituted Ammonium Ylides for the Construction of Spirocyclopropyl Oxindoles: Access to the Powerful Chemical Leads against HIV-1. *J. Org. Chem.* **2020**, *85*, 5203-5219.
- [7] Jin He, Rong-Guo Sun, Li Fan, Shi-Yan Tian, Ting-Ping Huang, Zhuo Chen and **Lin Chen**. DMAP-catalyzed 1,3-dipolar cycloaddition of 3-aminoxindoles based azomethine ylides with α,β -unsaturated acyl phosphonates for the construction of spiropyrrolidinyl-2,3'-oxindoles. *Synthesis* **2019**, *51*, 1353-1364.
- [8] Gen Zhou, Qi-Di Wei, Guan-Lian Wang, Yi Gong, Huan-Huan Liu, Xiong-Li Liu,

- Lin Chen** and Ying Zhou. Molecular hybridization-guided annulation reactions of isatins with 4-methylpent-3-en-2-one: A direct access to spirooxindole tetrahydropyranones. *Synth. Commun.* **2018**, *48*, 1033-1039.
- [9] Xiayan Zhang, Xu Xu, Xinmeng Chen, **Lin Chen**, Xiaoying Xu, Zhijun Wu, Dongmei Fang and Tian Cai. Competitive McLafferty-type rearrangements of sodium adduct of anti-2,3-dihydroxy-1-phenylpentane-1,4-dione compounds in tandem mass spectrometry. *Eur. J. Mass Spectrom.* **2018**, *24*, 437-441.
- [10] **Lin Chen** and Zhi-Ming Chen. Synthesis of α,β -Unsaturated Acyl Phosphates. *Chem. Res. Appl.* **2017**, *29*, 1424-1428.
- [11] Ming-Liang Zhang, **Lin Chen**, Yong You, Zhen-Hua Wang, Deng-Feng Yue, Xiao-Mei Zhang, Xiao-Ying Xu and Wei-Cheng Yuan. Asymmetric Michael reaction of arylacetyl phosphonates to nitroalkenes with bifunctional amine-thiourea catalyst bearing multiple-hydrogen-bond donor: efficient construction of chiral α -substituted carboxylic ester compounds. *Tetrahedron* **2016**, *72*, 2677-2682.
- [12] **Lin Chen**, Zhi-Jun Wu, Ming-Liang Zhang, Deng-Feng Yue, Xiao-Mei Zhang, Xiao-Ying Xu and Wei-Cheng Yuan. Organocatalytic Asymmetric Michael/Cyclization Cascade Reactions of 3-Hydroxyoxindoles/3-Aminooxindoles with α,β -Unsaturated Acyl Phosphonates for the Construction of Spirocyclic Oxindole- γ -lactones/lactams. *J. Org. Chem.* **2015**, *80*, 12668-12675.
- [13] **Lin Chen**, Yong You, Ming-Liang Zhang, Jian-qiang Zhao, Jian Zuo, Xiao-Mei Zhang, Wei-Cheng Yuan and Xiao-Ying Xu. Organocatalytic asymmetric Michael addition of 3-substituted oxindoles to α,β -unsaturated acyl phosphonates for the synthesis of 3,3'-disubstituted oxindoles with chiral squaramides. *Org. Biomol. Chem.* **2015**, *13*, 4413-4417.
- [14] **Lin Chen**, Zhijun Wu, Lin Peng, Qilin Wang, Xiaoying Xu and Lixin Wang. A New Cyclization/Decarboxylation Reaction of Isatins with Acyl Chlorides for the Facile Synthesis of 3-Alkenyl-oxindoles, *Chin. J. Chem.* **2014**, *32*, 844-852.