

Curriculum Vitae

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Current Research Interests

- Design and synthesis of Bioactive Heterocyclic Compounds.
- New synthetic method of Heterocycles.
- Computer Aid Drug Design(High Throughput Receptor-Based Virtual Screening, Docking and QSAR)

Education Background

- 2004.09-2009.06 Ph.D., Pesticide Science
Nankai University, Tianjin, China
- 2000.09-2004.06 B.A., Chemistry
Zhejiang Normal University, Jinhua, China

Professional Experience

- 2016.09-2017.09 Visiting Scholar, USDA-ARS Natural Product Utilization Research Unit,
Oxford, MS, US
- 2012.10-Present Associate Professor, College of Chemical Engineering,
Zhejiang University of Technology, China
- 2010.02-2012.10 Assistant Professor, College of Chemical Engineering,
Zhejiang University of Technology, China

2009.07-2010.01 Senior Researcher, Shanghai Chempartner. Co. Ltd., Shanghai, China
Field: Novel Anticancer Drug Discovery

Academic Experience

- Region Editor of *Letters in Drug Design & Discovery*(IF 1.07)
- Editor Broad of Heteroatom Chemistry(IF1.137)
- Advisory Broad of *Asian Journal of Chemistry, Scholar Research Library*
- Reviewer of *Advanced Synthesis & Catalysis, European Journal of Medicinal Chemistry, Bioorganic & Medicinal Chemistry, Bioorganic & Medicinal Chemistry Letters, Chemical Biology & Drug Design, Pest Management Science, Journal of Agricultural & Food Chemistry, Scientific reports, Current Drug Discovery Technologies, Combinatorial Chemistry & High Throughput Screening, Medicinal Chemistry, Journal of Heterocyclic Chemistry, Heterocyclic Communications and so on.*

Selected Recent Important Publications(Total more than 140 peer review paper, H-index=30)

- [1]. Cheng, L.; Shen, Z.H.; Xu, T.M.; Tan, C.X.; Weng, J.Q.; Han, L.; Peng, W.L.; Liu, X.H. Synthesis and Nematocidal Activity of N - Substituted 3 - Methyl - 1H - pyrazole - 4 - carboxamide Derivatives Against *Meloidogyne incognita*. *J. Heterocycl. Chem.* 2018, 55, 946-950.
- [2]. Fang, Y.M.; Zhang, R.R.; Shen, Z.H.; Wu, H.K.; Tan, C.X.; Weng, J.Q.; Xu, T.M.; Liu, X.H. Synthesis, Antifungal Activity, and SAR Study of Some New 6-Perfluoropropanyl Quinoline Derivatives. *J. Heterocycl. Chem.* 2018, 55, 240-245.
- [3]. Shen, Z.H.; Sun, Z.H.; Becnel, J.J.; Estep, A.; Wedge, D.E.; Tan, C.X.; Weng, J.Q.; Han, L, Liu, X.H. Synthesis and Mosquitocidal Activity of Novel Hydrazone Containing Pyrimidine Derivatives against *Aedes aegypti*. *Lett. Drug Des. Discov.* 2018, doi: 10.2174/1570180815666180102141640.
- [4]. Fang, Y.M.; Zhang, R.R.; Shen, Z.H.; Tan, C.X.; Weng, J.Q.; Xu, T.M.; Liu, X.H. Huang, H.Y.; Wu, H.K. Synthesis and Antifungal Activity of Some 6-tert-butyl-8-chloro-2, 3-dimethylquinolin-4-ol Derivatives against *Pyricularia oryzae*. *Lett. Drug Des. Discov.* 2018, doi: 10.2174/1570180815666180313121735.
- [5]. Shi, J.J.; Ren, G.H.; Dai, Z.M.; Wu, N.J.; Weng, J.Q.; Xu, T.M.; Liu, X.H.; Tan, C.X. Synthesis and Herbicidal Evaluation of Aryloxyphenoxypropionate Derivatives Containing Purine Moiety. *Lett. Drug Des. Discov.* 2018, 15, 15-20.
- [6]. Wang, B.L.; Zhang, L.Y.; Liu, X.H.; Ma, Y.; Zhang, Y.; Li, Z.M.; Zhang, X. Synthesis, biological activities and SAR studies of new 3-substitutedphenyl-4-substitutedbenzylideneamino-1,2,4-triazole Mannich bases and bis-Mannich bases as ketol-acid reductoisomerase inhibitors. *Bioorg. Med. Chem. Lett.* 2017, 27, 5457-5462.
- [7]. Sun, G.X.; Zhai, Z.W.; Sun, Z.H.; Tan, C.X.; Weng, J.Q.; Liu, X.H. Synthesis and crystal structure of (2-chloro-4-(phenylthio)phenyl) (3-methyl-1-phenyl-5-(phenylthio)-1H-pyrazol -4-yl) methanone. *J. Struct. Chem.* 2017, 58, 1663-1667.
- [8]. Shi, J.J.; Ren, G.H.; Wu, N.J.; Liu, X.H.; Xu, T.M.; Tan, C.X. Synthesis and Insecticidal

Activity of Novel Anthranilic Diamides Containing Polyfluoroalkyl Pyrazole. *Chin. J. Org. Chem.* 2017, 37, 2131-2138.

- [9]. Sun, N.B.; Shen, Z.H.; Zhai, Z.W.; Han, L.; Weng, J.Q.; Tan, C.X.; Liu, X.H. Design, Synthesis, Fungicidal Activity and Docking Study of Acyl Thiourea Derivatives Containing Pyrazole Moiety. *Chin. J. Org. Chem.* 2017, 37, 2705-2710.
- [10]. Shi, J.J.; Ren, G.H.; Wu, N.J.; Weng, J.Q.; Xu, T.M.; Liu, X.H.; Tan, C.X. Design, synthesis and insecticidal activities of novel anthranilic diamides containing polyfluoroalkyl pyrazole moiety. *Chin. Chem. Lett.* 2017, 28, 1727-1730.
- [11]. Sun, N.B.; Zhai, Z.W.; Shen, Z.H.; Weng, J.Q.; Tan, C.X.; Liu, X.H.; Han, L. Synthesis, Crystal Structure and Antifungal Activity of N-((2,6-Difluorophenyl)carbonyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide. *Chin. J. Struct. Chem.* 2017, 36, 1667-1672.
- [12]. Zhu, Y.; Zhao, W.; Han, L.; Dong, W.L.; Liu, X.H. Synthesis and Insecticidal, Anticancer Activity of Novel Pyrazole Acyl Urea Derivatives. *J. Chem. Soc. Pak.* 2017, 39, 464-470.
- [13]. Zhao, W.; Xing, J.H.; Xu, T.M.; Peng, W.L.; Liu, X.H. Synthesis and in vivo nematocidal evaluation of novel 3-(trifluoromethyl)-1H-pyrazole-4-carboxamide derivatives. *Front. Chem. Sci. Eng.* 2017, 11, 363-368.
- [14]. Ding, X.M.; Zhai, Z.W.; Lv, L.P.; Sun, Z.H.; Liu, X.H. Design, synthesis, biological activity and density function theory study of pyrazole derivatives containing 1,3,4-thiadiazole moiety. *Front. Chem. Sci. Eng.* 2017, 11, 379-386.
- [15]. Liu, X.H.; Fang, Y.M.; Xie, F.; Zhang, R.R.; Shen, Z.H.; Tan, C.X.; Weng, J.Q.; Xu, T.M.; Huang, H.Y. Synthesis and in vivo fungicidal activity of some new quinoline derivatives against rice blast. *Pest Manag. Sci.* 2017, 73, 1900-1907.
- [16]. Wang, Q.; Shen, Z.H.; Sun, Z.H.; Weng, J.Q.; Tan, C.X.; Liu, X.H.; Zhang, Y.G. Synthesis of Two 1,3,4-thiadiazole Compounds: Crystal Structure, Theoretical and Antifungal Activity Study. *J. Chem. Soc. Pak.* 2017, 39, 524-531.
- [17]. Sun, N.B.; Shen, Z.H.; Zhai, Z.W.; Wu, H.K.; Weng, J.Q.; Tan, C.X.; Liu, X.H. Design, Synthesis, Fungicidal Activity and Docking Study of Acyl Urea Derivatives Containing Pyrazole Moiety. *Chin. J. Org. Chem.* 2017, 37, 2044-2049.
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- [19]. He, H.Q.; Liu, X.H.; Weng, J.Q.; Tan, C.X. Synthesis and Herbicidal Activity of Some Novel Pyrazole Derivatives. *Lett. Drug Des. Discov.* 2017, 14, 195-200.
- [20]. Shen, Z.H.; Zhai, Z.W.; Sun, Z.H.; Weng, J.Q.; Tan, C.X.; Liu, X.H. Synthesis, Crystal Structure and Biological Activity of 2-Chloro-5-(((5-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl)-4-phenyl-4H-1,2,4-triazol-3-yl)thio)methyl)thiazole. *Chin. J. Struct. Chem.* 2017, 36, 1137-1141.
- [21]. Zhu, Y.; Zhao, W.; Han, L.; Dong, W.L.; Liu, X.H. Synthesis and Insecticidal, Anticancer Activity of Novel Pyrazole Acyl Urea Derivatives. *J. Chem. Soc. Pak.* 2017, 39, 464-470.
- [22]. Zhao, W.; Shen, Z.H.; Xu, T.M.; Peng, W.L.; Liu, X.H. Synthesis, Nematocidal Activity and Docking Study of Novel Chiral 1-(3-Chloropyridin-2-yl)-3-(difluoromethyl)-1H-pyrazole-4-carboxamide Derivatives. *J. Heterocycl. Chem.* 2017, 54, 1751-1756.
- [23]. Zhao, W.; Shen, Z.H.; Xing, J.H.; Yang, G.; Xu, T.M.; Peng, W.L.; Liu, X.H. Synthesis and nematocidal activity of novel 1-(3-chloropyridin-2-yl)-3-(trifluoromethyl)-1H-pyrazole-4-carboxamide derivatives. *Chem. Pap.* 2017, 71, 921-928.
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- Pyrazole-4-carboxamide Derivatives. *Chin. J. Struct. Chem.* 2017, 36, 423-428.
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