**Yanxiao Jiao**

**Contact Information**

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**Education**

(1) 09/2012-06/2017

**Ph.D., Major: Organic Chemistry**

Topic: *Design, Synthesis and Activities Evaluation of Pyrazine Ring Containing Heterocycles and Some Nitrogen Oxide Salts*

Supervisor: Professor Guifa SU

State Key Laboratory for Chemistry and Molecular Engineering of Medicinal Resources

Ministry of Science and Technology of China School of Chemistry and Pharmaceutical Sciences

Guangxi Normal University

(2) 04/2015-04/2016

**Visiting PhD Student, Major:Synthetic Chemistry**

Topic: T*PAP Oxidation with N-Oxide Salts*

Supervisor: Professor Craig WILLIAMS

School of Chemistry and Molecular Biosciences

The University of Queensland (Australian, QS rankings: top 50)

(3) 09/2009-06/2012

**M.Sc., Major: Organic Chemistry**

Topic: *Design and Syntheses of Steroidal Metal Complexes and Their Anticancer Activities*

Research Advisor: Professor Jianguo CUI

College of Chemistry and Life Sciences

Guangxi Teachers Education University

(4) 09/2005-06/2009

**B.Sc., Major: Chemistry**

College of Chemistry

Guangxi Teachers Education University

**Experience**

(1) 01/2024 - present, **Postdoctoral Scholar**

Lam Laboratory, Department of Biochemistry & Molecular Medicine, UC Davis

Research I Building, 4635 2nd Ave, Sacramento, 95817

1. 12/2022 - 12/2023, **Visiting Scholar**

Research Program: *1) Development of Novel STAT3 covalent PROTACs; 2) Synthesis of STAT3 covalent Inhibitors; 3) Synthesis of antibody conjugate drugs based on bufaline*

UC Davis Health Comprehensive Cancer Center

University of California, Davis

4635 2end Ave, Sacramento, CA 95817, United States

(3) 05/2019 - 12/2023, **lecturer**

Research Program: *Synthesis of Nitrogen-Containing Heterocyclic Compounds and Their Inflammatory, Antioxidant and Anticancer Activities*

College of Chemical and Chemistry Engineering, Jiujiang University

551 Qianjin East Road, Jiujiang, Jiangxi, China

**Publications**

(1) ***Yanxiao Jiao***, Xueqin Li, Yao Tang, You Peng, Guisen Chen, Xin Wang, Long Yan, Huihui Liu and Zongxiu Nie. Distribution and metabolism of daidzein and its benzene sulfonates in vivo (in mice) based on MALDI-TOF MSI. *Frontiers in Pharmacology*, **2022**, 13:918087. (JCR: **Q1**, IF: **5.988**)

(2) ***Jiao, Yanxiao***; Peng, Jing; Ye, Xinglin; Hu, Huanan; Gan, Lijun; Yang, Jianyuan; Peng, You ; Study on pharmacological properties and cell absorption metabolism of novel daidzein napsylates, *Royal Society Open Science*, **2021**, 8(1): 201475. (JCR: **Q1**, IF: **3.653**)

(3) Christian J. Bettencourt, Sharon Chow, Peter W. Moore, Read, Christopher D. G. Read, ***Yanxiao Jiao***, Jan Peter Bakker, Sheng Zhao, Bernhardt, Paul V. Bernhardt, Craig M. Williams, Tandem Oxidation-Dehydrogenation of (Hetero)Arylated Primary Alcohols via Perruthenate Catalysis, *Australian Journal of Chemistry*, **2021**, 74(9), 652-659. (JCR: **Q3**, IF: **1.321**)

(4) ***Yan-Xiao Jiao***; Lin-Su Wei; Chun-Yang Zhao; Kai Wei; Dong-Liang Mo; Cheng-Xue Pan; Gui-Fa Su ; Isobutyl Nitrite-Mediated Synthesis of Quinoxalines through Double CH Bond Amination of N-Aryl Enamines, *Advanced Synthesis & Catalysis*, **2018**, 360: 4446-4451. (JCR: **Q1**, IF: **5.981**)

(5) ***Yan-Xiao Jiao***; Ling-Ling Wu; Hai-Miao Zhu,; Jiang-Ke Qin; Cheng-Xue Pan; Dong-Liang Mo; Gui-Fa Su ; Tandem C−N Bond Formation through Condensation and Metal-Free N-Arylation: Protocol for Synthesizing Diverse Functionalized Quinoxalines, *The Journal of Organic Chemistry*, 2017, 82(8): 4407-4414. (JCR: **Q1**, IF: **4.198**)

(6) ***Yan-Xiao Jiao***; Xiao-Pan Ma; Gui-Fa Su; Dong-Liang Mo, Recent Advances in the Arylation and Alkenylation of N–O Bonds, *Synthesis*, **2017**, 49, 933-959. (JCR: **Q2**, IF: **3.019**)

(7) Peter W. Moore#; ***Yanxiao Jiao***#; Paul M. Mirzayans; Lexter Ng Qi Sheng; Jordan P. Hooker; Craig M. Williams ; Selectivity Modulation of the Ley–Griffith TPAP Oxidation with N-Oxide Salts, *European Journal of Organic Chemistry*, **2016**, 2016(2): 3401-3407. (co first author, JCR: **Q2**, IF: **3.261**)

(8) Chunlian Peng, Siming Zhang, Haixin Liu, ***Yanxiao Jiao***, Guifa Su, Yan Zhu. A newly synthesized Ligustrazine stilbene derivative inhibits PDGF-BB induced vascular smooth muscle cell phenotypic switch and proliferation via delaying cell cycle progression, *European Journal of Pharmacology*, **2017**, 814, 106-113. (JCR: **Q1**, IF: **5.195**)

(9) Yanmin Huang, Jiangguo Cui, Ling Li, Lei Fan, ***Yanxiao Jiao***, Shaoyang Su. Syntheses and antiproliferative activity of some sulfated hydroximinosterols, *Medicinal Chemistry Research*, **2013**, 22, 409-414. (JCR: **Q2**, IF: **2.351**)

(10) Chunfang Gan, Lianghua Fan, Jianguo Cui, Yanmin Huang, ***Yanxiao Jiao***, Wanxin Wei. Synthesis and in vitro antiproliferative evaluation of some ring B abeo-sterols, *Steroids*, **2012**, 77(11):1061-1068. (JCR: **Q2**, IF: **2.76**)

**Patents**

(1) Chengxue Pan, Linsu Wei, Guifa Su, Yongyi Li, Xiuyun Guo, ***Yanxiao Jiao***, Dongliang Mo. Preparation of platelet derived growth factor receptor inhibitor ag1296 . ZL201810274076.1.

(2) Guifa Su, ***Yanxiao Jiao***, Chengxue Pan, Luoshan Wei, Shilin Kong, Wanyun Huang. Ligustrazine stilbene derivative and the preparation method and application thereof. ZL201410075473.8.

(3) Guifa Su, Chengxue Pan, ***Yanxiao Jiao***, Lingling Wu, Jiangke Qin. Method for preparation of 2,3- disubstituted quinoxaline derivatives. ZL201410323633.6.

(4) Guifa Su, Chengxue Pan, ***Yanxiao Jiao***, Kai Wei, Dongliang Mo. A process for preparing quinoxaline derivatives. ZL201510969658.8.