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## 黎星木

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黎星木, 男, 1954年生。四川师范大学化学系毕业; 四川大学工学硕士, 理学博士。1997年起在香港理工大学, 台湾中兴大学, 日本岗山理科大学任博士后研究员, 研究员(Research Fellow)多年。2005年到中山大学工作, 教授, 博士生导师。2005年至今起被聘为香港理工大学荣誉研究员。

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### 讲授课程:

1. 有机化学
2. 高等有机化学与药物合成
3. 有机化学药物化学进展(讲座)

### 主要研究方向:

1. 手性配体的设计合成及在不对称合成, 药物合成中的应用研究。
2. 多靶点抗衰老痴呆药物的设计、合成和生物活性研究
3. 多靶点抗哮喘、慢性阻塞性肺病药物的设计、合成和生物活性研究

### 负责的研究课题:

1. 国家自然科学基金课题(2项, 22万, 35万);
2. 国家863课题(分课题, 8万);

3. 中山大学引进人才科研启动基金 (50万) ;
4. 广东省自然科学基金 (6万) ;
5. 广州市科技攻关项目 (30万) ;
6. 广东一力医药集团公司合作项目 (100万) ;
7. 广东理文化工研发有限公司合作研究项目 (175万) 。

获奖情况:

1. 2005年国家自然科学二等奖;
2. 2004-2007年国际重要刊物Tetrahedron: Asymmetry最高引用率奖。

近3年发表的部分文章:

1. Wu, Yinuo; Mao, Fei; Meng, Fanchao; **Li, Xing-Shu\***. Enantioselective Vanadium-Catalyzed Oxidation of 1,3-Dithianes from Aldehydes and Ketones using  $\beta$ -Amino Alcohol Derived Schiff Base Ligands. *Advanced Synthesis & Catalysis* (2011), 353(10), 1707-1712.
2. Wu, Yinuo; Li, Baozhu; Mao, Fei; **Li, Xing-Shu\***; Kwong, Fuk Yee. Palladium-Catalyzed Oxidative C-H Bond Coupling of Steered Acetanilides and Aldehydes: A Facile Access to ortho-Acylacetanilides. *Organic Letters* (2011), 13(12), 3258-3261.
3. Shan, Wen-Jun; Huang, Ling; Zhou, Qi; Jiang, Huai-Lei; Luo, Zong-Hua; Lai, Ke-fang; **Li, Xing-Shu\***. Dual  $\beta$  2-adrenoceptor agonists-PDE4 inhibitors for the treatment of asthma and COPD. *Bioorganic & Medicinal Chemistry Letters* (2012), 22(4), 523-1526.
4. Shan, Wen-Jun; Huang, Ling; Zhou, Qi; Meng, Fan-Chao; **Li, Xing-Shu\***. Synthesis, biological evaluation of 9-N-substituted berberine derivatives as multi-functional agents of antioxidant, inhibitors of acetylcholinesterase, butyrylcholinesterase and amyloid- $\beta$  aggregation. *European Journal of Medicinal Chemistry* (2011), 46(12), 5885-5893.
5. Jiang, Huailei; Wang, Xu; Huang, Ling; Luo, Zonghua; Su, Tao; Ding, Ke; **Li, Xingshu\***. Benzenediol-berberine hybrids: Multifunctional agents for Alzheimer's disease. *Bioorganic & Medicinal Chemistry* (2011), 19(23), 7228-7235.
6. Shi, Anding; Huang, Ling; Lu, Chuanjun; He, Feng; **Li, Xing-Shu\***. Synthesis, biological evaluation and molecular modeling of novel triazole-containing berberine derivatives as acetylcholinesterase and  $\beta$ -amyloid aggregation inhibitors. *Bioorganic & Medicinal Chemistry* (2011), 19(7), 2298-2305.
7. Huang, Ling; Luo, Zonghua; He, Feng; Shi, Anding; Qin, Fangfei; **Li, Xing-Shu\***. Berberine derivatives, with substituted amino groups linked at the 9-position, as inhibitors of acetylcholinesterase/butyrylcholinesterase. *Bioorganic & Medicinal Chemistry Letters* (2010), 20(22), 6649-6652.
8. Huang, Ling; Luo, Zonghua; He, Feng; Lu, Jing; **Li, Xing-Shu\***. Synthesis and biological evaluation of a new series of berberine derivatives as dual inhibitors of acetylcholinesterase and butyrylcholinesterase. *Bioorganic & Medicinal Chemistry* (2010), 18(12), 4475-4484.
9. Huang, Xiaoguang; Zhang, Aiqin; Chen, Dongliang; Jia, Zhenhua; **Li, Xing-Shu\***. 4-Substituted 4-(1H-1,2,3-triazol-1-yl)piperidine: Novel C7 moieties of fluoroquinolones as antibacterial agents. 10. Huang, Ling; Shi, Anding; He, Feng; **Li, Xing-Shu\***. Synthesis, biological evaluation, and molecular modeling of berberine derivatives as potent acetylcholinesterase inhibitors. *Bioorganic & Medicinal Chemistry* (2010), 18(3), 1244-1251.
11. Huang, Xiaoguang; Chen, Dongliang; Wu, Ning; Zhang, Aiqin; Jia, Zhenhua; **Li, Xingshu\***. The synthesis and biological evaluation of a novel series of C7 non-basic substituted fluoroquinolones as antibacterial agents. *Bioorganic & Medicinal Chemistry Letters* (2009), 19(15), 4130-4133.
12. Wu, Yinuo; Liu, Juntao; **Li, Xing-Shu\***; Chan, Albert S. C. Vanadium-Catalyzed Asymmetric Oxidation of Sulfides Using Schiff Base Ligands Derived from  $\beta$ -Amino Alcohols with Two Stereogenic Centers. *European Journal of Organic Chemistry* (2009), (16), 2607-2610.
13. Lu, Chuanjun; Luo, Zonghua; Huang, Ling; **Li, Xing-Shu\***. The Ru-catalyzed enantioselective preparation of chiral halohydrins and their application in the synthesis of (R)-clorprenaline and (S)-sotalol. *Tetrahedron: Asymmetry* (2011), 22(7), 722-727.
14. Shan, Wenjun; Meng, Fanchao; Wu, Yinuo; Mao, Fei; **Li, Xing-Shu\***. The synthesis of a new nitrogen joined N-PEG-TsDPEN ligand and its application in asymmetric transfer hydrogenation of ketones in neat water. *Journal of Organometallic Chemistry* (2011), 696(8), 1687-1690.
15. Wei, Hui; Yin, Lu; Luo, Haibin; **Li, Xing-Shu\***; Chan, Albert S. C. Structural influence of chiral tertiary aminonaphthol ligands on the asymmetric phenyl transfer to aromatic aldehydes. *Chirality* (2011), 23(3), 222-227.
16. Yin, Lu; Zheng, Yourou; Jia, Xian; **Li, Xingshu\***; Chan, Albert S. C. Efficient and promising asymmetric preparation of enantiopure tolvaptan via transfer hydrogenation with robust catalysts. *Tetrahedron: Asymmetry* (2010), 21(19), 2390-2393.
17. Huang, Ling; Liu, Juntao; Shan, Wenjun; Liu, Bao; Shi, Anding; **Li, Xingshu\***. The asymmetric synthesis of (R,R)-formoterol via transfer hydrogenation with polyethylene glycol bound Rh catalyst in PEG2000 and water. *Chirality* (2010), 22(2), 206-211.

18. Yin, Lu; Jia, Xian; **Li, Xingshu\***; Chan, Albert S. C. A rapid and green approach to chiral  $\alpha$ -hydroxy esters: asymmetric transfer hydrogenation (ATH) of  $\alpha$ -keto esters in water by use of surfactants. *Tetrahedron: Asymmetry* (2009), 20(17), 2033-2037.
19. Chen, Xueming; Wei, Hui; Chen, Yunyun; **Li, Xingshu\***. A Convenient synthesis of imidazolidin-4-ones via Domino reactions. *Helvetica Chimica Acta* (2009), 92(8), 1550-1557.
20. Yin, Lu; Shan, Wenjun; Jia, Xian; **Li, Xingshu\***; Chan, Albert S. C. Ru-catalyzed enantioselective preparation of methyl (R)- $\alpha$ -chloromandelate and its application in the synthesis of (S)-Clopidogrel. *Journal of Organometallic Chemistry* (2009), 694(13), 2092-2095.
21. Wu, Yinuo; Lu, Chuanjun; Shan, Wenjun; **Li, Xingshu\***. A practical process to chiral ferrocenyl alcohols via asymmetric transfer hydrogenation catalyzed with a PEG-bound Ru catalyst in water and its application in preparing Ugi's amine. *Tetrahedron: Asymmetry* (2009), 20(5), 584-587.
22. Liu, Bao; Zhong, Yao; **Li, Xingshu\***. Enantioselective addition of phenylacetylene to N-aryl arylimines catalyzed by Cu(II)-pyridine containing N-tosylated aminoimine ligand complex. *Chirality* (2009), 21(6), 595-599.
23. Chen, Xueming; Hou, Lei; **Li, Xingshu\***. An easy one-pot synthesis of tetrasubstituted 3-alkynylpyrroles via multicomponent coupling reaction. *Synlett* (2009), (5), 828-832.

- 上一篇文章: 李 丁
- 下一篇文章: 黄志行