



Department: School of Chemistry & Molecular Engineering

Professional field: Applied Chemistry

E-mail: wanglimin@ecust.edu.cn

Profile

Limin Wang, received his Ph.D. degree at Dalian Institute of Technology. He was a visiting scholar in Cornell University. Currently, he was full professor of East China University of Science and Technology (ECUST); and appointed as Head of Master Courses of “Light Industry Technology and Engineering”. He received many Awards, included the First prize of Shanghai Natural Science (2006), the Second Prize of Natural Science by the Ministry of Education (2008, China), the Second Prize of Technological Invention by the Ministry of Education (2009, China), the Second prize of Shanghai Technological Invention (2009) and the Second Prize of Natural Science by the Ministry of Education (2019, China).

So far he has published more than 100 peer-reviewed papers.

Research Field

- Novel functional organic dyes
- Fine Chemicals and surfactant materials
- Rare-Earth Metal Compounds in Organic Synthesis
- Synthetic Methodology

Research results and selected published papers

Awards and Honors

1st Class Prize of Shanghai Science and Technology, (2006, shared).

2nd Class Prize of Ministry of Education, (2008, shared).

Tetrahedron Most Cited Paper 2005-2008 Award.

Applied Organometallic Chemistry Best Publication Award. (2011, shared).

Top-25 most cited articles” as published in Tetrahedron (2010-2011)

Certificate of Reviewing for the journal (Tetrahedron) (2014)

1. Limin Wang*, Jijun Liu, He Tian, Changtao Qian, Jie Sun, One-pot Synthesis of cis-Isoquinolonic acids derivatives via three-component Reaction of Homophthalic Anhydride with Aldehydes and Amines Using Ytterbium(III) Triflate as a Catalyst, *Adv. Synth. Catal.* 2005, 347(5), 689-694.
2. Limin Wang*, Jianwei Han, He Tian, Jia Sheng, Zhaoyu Fan, Xiaoping Tang, Rare earth Perfluorooctanoates[RE(PFO)₃]-catalyzed Condensations of Indole with Carbonyl Compounds, *Synlett*, 2005, 2, 0337-0339.
3. Limin Wang*, Jia Sheng, Liang zhang, Jianwei Han, Zhao-Yu Fan, He Tian, Facile Yb(OTf)₃ Promoted One-Pot Synthesis of Polyhydroquinoline Derivatives Through Hantzsch Reaction. *Tetrahedron*, 2005, 61(6), 1539-1543.
4. Jianjun Yu, Limin Wang*, Jinqian Liu, Fenglou Guo, Ying Liu, Ning Jiao, Synthesis of tetraketones in water and under catalyst-free conditions, *Green Chem.*, 2010, 12(2), 216-219.
5. Li-Min Wang, Ning Jiao, Jun Qiu, Jian-Jun Yu, Jin-Qian Liu, Feng-Lou Guo, Ying Liu. Sodium stearate-catalyzed multicomponent reactions for efficient synthesis of spirooxindoles in aqueous micellar media [J], *Tetrahedron*, 2010, 66, 339-343.
6. Anyin Wang, Biao Chen, Lei Fang, Jianjun Yu, Limin Wang*, Influence of branched quaternary ammonium surfactant molecules as levelers for copper electroplating from acidic sulphate bath, *Electrochimica Acta*. 2013, 108, 698-706.
7. Dan Mao, Jun Tang, Wenbo Wang, Shengying Wu, Xin Liu, Jianjun Yu, Limin Wang*, Scandium Pentafluorobenzoate Catalyzed Unexpected Cascade Reaction of 2-Aminobenzaldehydes with Primary Amines: A Process for the Efficient Preparation of Novel Ring-fused Aminals, *J Org Chem*. 2013, 78(24), 12848-12854.
8. Mengyun Zhu, Jinqian Liu, Jianjun Yu*, Liangshun Chen, Chunmei Zhang, Limin Wang*, AlCl₃-Catalyzed Formal [2+3]-Cycloaddition of 1,1-Cyclopropane Diesters with N-Benzylic Sulfonamides to Construct Highly Stereoselective Indane Derivatives, *Org. Lett.* 2014, 16, 1856–1859.
9. Xunshen Wu, Yang Yang, Jianwei Han, Limin Wang*, Palladium Catalyzed C–I and Vicinal C–H Dual Activation of Diaryliodonium Salts for Diarylation: Synthesis of 4,5-Benzocoumarins, *Organic Lett.*, 2015, 17 (22), 5654–5657.
10. Xiaofei Qian, Jianwei Han*, Limin Wang*, tert-Butoxide-Mediated Arylation of 2-Substituted Cyanoacetates with Diaryliodonium Salts, *Adv.Synth.Catal.* 2016, 358, 940-946.
11. Shiming Bi, Yankai Li, Limin Wang*, Jun Hu*, Honglai Liu, Constructing Diketopyrrolopyrrole-Based Fluorescent Porous Organic Polymer for Chromo Communication via Guest-to-Host Energy Transfer, *J. Phys. Chem. C*, 2017, 121, 6685–6691.
12. Biao Chen, Jie Xu, Limin Wang*, Longfeng Song, Shengying Wu*, Synthesis of Quaternary Ammonium Salts Based on Diketopyrrolopyrroles Skeletons and Their Applications in Copper Electroplating, *ACS Appl. Mater. Interfaces*, 2017, 9, 7793–7803
13. Chen Hu, Gang Hong, Yuchen He, Chen Zhou, Marisa C. Kozłowski*, Limin Wang*, Lewis Acid-Controlled Regioselective Phosphorylation of 2-Indolylmethanols with Diarylphosphine Oxides: Synthesis of Highly Substituted Indoles, *J. Org. Chem.*, 2018, 83 (8), 4739–4753.
14. Huangguan Chen, Jianwei Han*, Limin Wang*, Intramolecular Aryl Migration of Diaryliodonium Salts: Access to ortho-Iodo Diaryl Ethers, *Angew. Chem. Int. Ed.* 2018, 57, 12313–12317