华南理工大学化学与化工学院老师简介

<table>
<tr><td>姓名</td><td>王黎明</td><td>性别</td><td>男</td><td>出生年月</td><td>1970.9</td><td>籍贯</td><td>湖北</td><td rowspan="3">  </td></tr>
<tr><td>职称</td><td>教授</td><td>民族</td><td>汉</td><td>最高学位</td><td>博士</td><td>党派</td><td></td></tr>
<tr><td>招生专业</td><td colspan="3">物理化学</td><td>研究方向</td><td colspan="3">环境化学/物理化学/环境分析化学</td></tr>
<tr><td>主要学习工作简历和主要学术兼职</td><td colspan="8">2011 华南理工大学 教授
Postdoc.: Leeds Univ, UK (2003-2005), Emory Univ. US (2002-2003)
PhD: University of California Riverside 2002
BS: 复旦大学 1991
联系方式：Mobile 13424468677；E-Mail：wanglm@scut.edu.cn</td></tr>
<tr><td>科学研究情况简介</td><td colspan="8">以大气环境化学为中心，我们的研究在如下几个方面展开：
1. 挥发性有机化合物大气反应机理研究：研究挥发性有机污染物(VOCs)的大气氧化机理，包括反应速率、反应途径、和产物分析等，结合大气模型，评估VOCs对空气质量(臭氧和气溶胶)的影响；
2. 低挥发有机化合物大气多相反应机理研究：通过液相反应动力学和反应机理研究，评估低挥发有机物的大气多相对气溶胶形成能力和气溶胶老化的影响。

在研项目：
国家自然科学基金面上项目(21477038)，低NO_x浓度条件想挥发性有机化合物的大气氧化机理研究，2015/01-2018/12
环保部公益项目(201409019)，典型化工园区挥发性有机物排放特征及控制对策研究，2014/01-2016/12
国家自然科学基金面上项目(21177041)，半挥发性有机物大气氧化机理的理论研究，2012/01-2015/12

学术ID:
On ResearchGate: https://www.researchgate.net/profile/Liming_Wang6
ResearchID: http://www.researcherid.com/rid/F-9731-2013</td></tr>
<tr><td>教学情况简介</td><td colspan="8">本科课程：物理化学，环境化学

研究生招生(2016 年)：物理化学(硕士 2 名、博士 1 名)</td></tr>
</table>

Publications Since 2011

1. **Liming Wang,*** The Atmospheric Oxidation Mechanism of Benzyl Alcohol Initiated by OH Radical. The Addition Channels, *ChemPhysChem*, In Press
2. Runrun Wu, Sainan Wang, and **Liming Wang**,* A New Mechanism for The Atmospheric Oxidation of Dimethyl Sulfide. The Importance of Intramolecular Hydrogen Shift in CH_3SCH_2OO Radical, *J. Phys. Chem. A*, 119, 112-117 (2015)
3. Shanshan Pan and **Liming Wang**,* The Atmospheric Oxidation Mechanism of *m*-Xylene Initiated by OH Radical, *J. Phys. Chem. A*, 118, 10778-10787 (2014)
4. Yun Li, and **Liming Wang**,* Atmospheric Oxidation Mechanism of 1,2,4-Trimethyl Benzene, *Phys. Chem. Chem. Phys.*, 16, 17908-17917 (2014)
5. Runrun Wu, Shanshan Pan, Yun Li, and **Liming Wang**,* Atmospheric Oxidation Mechanism of Toluene, *J. Phys. Chem. A*, 118, 4533-4547 (2014)
6. Runrun Wu, Sainan Wang, and **Liming Wang**,* Atmospheric Oxidation Mechanism of Chlorobenzene, *Chemosphere*, 111, 537-544 (2014)
7. Kaiqiong Qiu, Lixian Yang, Junmin Lin, Peitao Wang, Yi Yang, Daiqi Ye,* **Liming Wang**, Historical Industrial Emissions of Non-Methane Volatile Organic Compounds in China from the Period of 1980-2010, *Atmos. Environ.*, 86, 102-112 (2014)
8. **Liming Wang**,* Runrun Wu, and Cui Xu, The Atmospheric Oxidation Mechanism of Benzene. Fates of Alkoxy Radical Intermediates and Revised Mechanism, *J. Phys. Chem. A*, 117, 14163-14168 (2013)
9. Cui Xu and **Liming Wang**,* Atmospheric Oxidation Mechanism of Phenol Initiated by OH Radical. *J. Phys. Chem. A*, 117, 2358-2364 (2013)
10. Zhijie Zhang, Xiaoyan Xu, and **Liming Wang**,* Atmospheric Oxidation Mechanism of 2,7-Dimethyl Naphthalene is Different from That of Monocyclic Aromatic Benzenes, *J. Phys. Chem. A*, 117, 160-168 (2013)
11. **Liming Wang*** & Aili Tang, Atmospheric Oxidation Mechanism of Polychlorinated Dibenzo-*p*-dioxins, *Chemosphere*, 89, 950-956 (2012)
12. Zhijie Zhang, Ling Lin, and **Liming Wang**,* Atmospheric Oxidation Mechanism of Naphthalene. *Phys. Chem. Chem. Phys.*, 14, 2645-2650 (2012)
13. **Liming Wang*** & Aili Tang, Oxidation Mechanisms of Dimethyl Selenide and Selenoxide in the Atmosphere, *Chem. Phys.*, 382, 98-103 (2011)
14. David Medina, Yingdi Liu, **Liming Wang**, Jingsong Zhang,* Detection of Sulfur Dioxide by Cavity Ring-Down Spectroscopy, *Environ. Sci. Technol.*, 45(5), 1926-1931 (2011)
15. **Liming Wang*** & Aili Tang, Atmospheric Oxidation Mechanisms of Polychlorinated Dibenzo-p-Dioxins are Different from Those of Benzene and Dibenzofuran, *Chemosphere*, 82, 782-785 (2011)
16. **Liming Wang*** & Aili Tang, Bond Dissociation Enthalpies in Chlorinated Benzenes and Phenols and Enthalpies of Formation of Their Free Radicals, *Int. J. Chem. Kinet.*, 43, 62-69 (2011)

Oral Presentations & Talks

- The Role of Peroxy Radical in the Atmospheric Oxidation of VOCs, USTC(中国科大), 2014-12-30
- The Atmospheric Oxidation Mechanism of Aromatic Compounds, The Atmospheric Chemical Mechanism Conference (ACM 2014), UC Davis, 2014-12-10
- The Atmospheric Oxidation Mechanism of VOCs, Dalian Institute of Chemical Physics (大连化学物理研究所), 2014-04-05
- The Atmospheric Oxidation Mechanism of Aromatic Compounds，中国环境学会年会，昆明, 2013-08-01