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简历:

博士, 研究员。1972年4月出生。2005在中国科学院广州地球化学研究所有机地球化学国家重点实验室获博士学位, 研究方向为环境有机地球化学。在2003年至2006年间, 先后三次共14个月, 在香港理工大学作研究助理。2005年毕业于至今, 在中国科学院广州地球化学研究所有机地球化学国家重点实验室工作。2009年7月至2010年6月, 在英国lancaster大学环境中心访问。主要研究方向之一为持久性有机污染物(POPs)的环境地球化学过程, 近年尤其关注新型污染物的区域分布与来源、长距离大气迁移与大气-地表交换, 另一个研究方向为基于放射性碳同位素的碳质气溶胶源解析方面, 这也是本人未来几年研究的重点。近几年(2011-2016), 共发表SCI论文126篇(第一/通讯作者23篇); 多篇论文发表在在国际著名期刊Environmental Science & Technology、Atmospheric Chemistry and Physics和Journal of Geophysical Research等上。SCI他人正面引用1800次以上。获得发明专利授权10多项。2014年, 参与的“区域空气毒害污染物及其环境效应”获广东省科学技术一等奖(A02-0-1-01-R06, 个人排名第六)。

研究领域:

环境地球化学

获奖及荣誉:

区域空气毒害污染物及其环境效应, 广东省科学技术一等奖, 省级, 2014。

代表论著:

1. ? Liu, J.W., Mo, Y.Z., **Li, J.**,* Liu, D., Shen, C.D., Ding, P., Jiang, H.Y., Cheng, Z.N., Zhang, X.Y., Tian, C.G., Chen, Y.J., Zhang, G., Radiocarbon-derived source apportionment of fine carbonaceous aerosols before, during, and after the 2014 Asia-Pacific Economic Cooperation (APEC) summit in Beijing, China, Journal of Geophysical Research - D: Atmospheres, 2016.4.27, 121(8): 4177-4187?
2. ? Liu, J.W., **Li, J.**,* Vonwiller, M., Liu, D., Cheng, H.R., Shen, K.J., Salazar, G., Agrios, K., Zhang, Y.L., He, Q.F., Ding, X., Zhong, G.C., Wang, X.M., Szidat, S., Zhang, G., The importance of non-fossil sources in carbonaceous aerosols in a megacity of central China during the 2013 winter haze episode: A source apportionment constrained by radiocarbon and organic tracers, Atmospheric Environment, 2016.11.01, 144: 60-68?
3. ? Liu, J.W., **Li, J.***, Liu, D., Ding, P., Shen, C.D., Wang, X.M., Luo, C.L., Cheng, Z.N., Szidat, S., Zhang, Y.L., Chen, Y.J., Zhang, G., Source apportionment and dynamic changes of carbonaceous aerosols during the haze bloom - decay process in China based on radiocarbon and organic molecular tracers, Atmospheric Chemistry and Physics, 2016. 16: p.2985-2996.?
4. ? Xu, Y., **Li, J.***, Chakraborty, P., Syed, J.H., Malik, R.N., Wang, Y., Tian, C., Luo, C., Zhang, G., and Jones, K.C., Atmospheric polychlorinated naphthalenes (PCNs) in India and Pakistan. The Science of the total environment, 2014. 466-467: p. 1030-6.?
5. ? Liu, J.W., **Li, J.***, Zhang, Y.L., Liu, D., Ding, P., Shen, C.D., Shen, K.J., He, Q.F., Ding, X., Wang, X.M., Chen, D.H., Szidat, S., and Zhang, G., Source Apportionment Using Radiocarbon and Organic Tracers for PM2.5 Carbonaceous Aerosols in Guangzhou, South China: Contrasting Local- and Regional-Scale Haze Events. Environmental Science & Technology, 2014. 48(20): p. 12002-12011.?
6. ? Li, Q., **Li, J.***, Chaemfa, C., Zhang, G., Kobara, Y., Nam, J.-J., and Jones, K.C., The impact of polybrominated diphenyl ether prohibition: A case study on the atmospheric levels in China, Japan and South Korea. Atmospheric Research, 2014. 143: p. 57-63.?
7. ? Huang, Y., **Li, J.***, Xu, Y., Xu, W., Cheng, Z., Liu, J., Wang, Y., Tian, C., Luo, C., and Zhang, G., Polychlorinated biphenyls (PCBs) and hexachlorobenzene (HCB) in the equatorial Indian Ocean: Temporal trend, continental outflow and air-water exchange. Marine Pollution Bulletin, 2014. 80(1-2): p. 194-9.?

8. Wang, Y., Li, J*, Cheng, Z., Li, Q., Pan, X., Zhang, R., Liu, D., Luo, C., Liu, X., Katsoyiannis, A., and Zhang, G., Short- and Medium-Chain Chlorinated Paraffins in Air and Soil of Subtropical Terrestrial Environment in the Pearl River Delta, South China: Distribution, Composition, Atmospheric Deposition Fluxes, and Environmental Fate. *Environmental Science & Technology*, 2013. 47(6): p. 2679-2687.?
9. Syed, J.H., Malik, R.N., Liu, D., Xu, Y., Wang, Y., Li, J*, Zhang, G., and Jones, K.C., Organochlorine pesticides in air and soil and estimated air-soil exchange in Punjab, Pakistan. *Science of the Total Environment*, 2013. 444: p. 491-497.?
10. Syed, J.H., Malik, R.N., Li, J*, Zhang, G., and Jones, K.C., Levels, distribution and air-soil exchange fluxes of polychlorinated biphenyls (PCBs) in the environment of Punjab Province, Pakistan. *Ecotoxicology and Environmental Safety*, 2013. 97: p. 189-195.?
11. Syed, J.H., Malik, R.N., Li, J*, Wang, Y., Xu, Y., Zhang, G., and Jones, K.C., Levels, profile and distribution of Dieldrin (DDT) and Polybrominated Diphenyl Ethers (PBDEs) in the environment of Pakistan. *Chemosphere*, 2013. 93(8): p. 1646-1653.?
12. Liu, J., Li, J*, Lin, T., Liu, D., Xu, Y., Chaemfa, C., Qi, S., Liu, F., and Zhang, G., Diurnal and nocturnal variations of PAHs in the Lhasa atmosphere, Tibetan Plateau: Implication for local sources and the impact of atmospheric degradation processing. *Atmospheric Research*, 2013. 124: p. 34-43.?
13. Liu, D., Li, J*, Zhang, Y., Xu, Y., Liu, X., Ding, P., Shen, C., Chen, Y., Tian, C., and Zhang, G., The Use of Levoglucosan and Radiocarbon for Source Apportionment of PM_{2.5} Carbonaceous Aerosols at a Background Site in East China. *Environmental Science & Technology*, 2013. 47(18): p. 10454-10461.?
14. Xu, Y., Zhang, Y.-L., Li, J*, Gioia, R., Zhang, G., Li, X.-D., Spiro, B., Bhatia, R.S., and Jones, K.C., The spatial distribution and potential sources of polycyclic aromatic hydrocarbons (PAHs) over the Asian marginal seas and the Indian and Atlantic Oceans. *Journal of Geophysical Research-Atmospheres*, 2012. 117.?
15. Wang, Y., Li, Q., Xu, Y., Luo, C., Liu, X., Li, J*, and Zhang, G., Improved correction method for using passive air samplers to assess the distribution of PCNs in the Dongjiang River basin of the Pearl River Delta, South China. *Atmospheric Environment*, 2012. 54: p. 700-705.?
16. Wang, Y., Cheng, Z., Li, J*, Luo, C., Xu, Y., Li, Q., Liu, X., and Zhang, G., Polychlorinated naphthalenes (PCNs) in the surface soils of the Pearl River Delta, South China: Distribution, sources, and air-soil exchange. *Environmental Pollution*, 2012. 170: p. 1-7.?
17. Pan, S.-H., Li, J*, Lin, T., Zhang, G., Li, X.-D., and Yin, H., Polycyclic aromatic hydrocarbons on indoor/outdoor glass window surfaces in Guangzhou and Hong Kong, south China. *Environmental Pollution*, 2012. 169: p. 190-195.?
18. Pan, S., Sun, Y., Zhang, G., Li, J*, Xie, Q., and Chakraborty, P., Assessment of 2-(4-morpholinyl) benzothiazole (24MoBT) and N-cyclohexyl-2-benzothiazolamine (NCBA) as traffic tracers in metropolitan cities of China and India. *Atmospheric Environment*, 2012. 56: p. 246-249.?
19. Lin, T., Li, J*, Xu, Y., Liu, X., Luo, C., Cheng, H., Chen, Y., and Zhang, G., Organochlorine pesticides in seawater and the surrounding atmosphere of the marginal seas of China: Spatial distribution, sources and air-water exchange. *Science of the Total Environment*, 2012. 435: p. 244-252.?
20. Li, Q., Xu, Y., Li, J*, Pan, X., Liu, X., and Zhang, G., Levels and spatial distribution of gaseous polychlorinated biphenyls and polychlorinated naphthalenes in the air over the northern South China Sea. *Atmospheric Environment*, 2012. 56: p. 228-235.?
21. Li, Q., Li, J*, Wang, Y., Xu, Y., Pan, X., Zhang, G., Luo, C., Kobara, Y., Nam, J.-J., and Jones, K.C., Atmospheric Short-Chain Chlorinated Paraffins in China, Japan, and South Korea. *Environmental Science & Technology*, 2012. 46(21): p. 11948-11954.?
22. Li, J*, Li, Q., Gioia, R., Zhang, Y., Zhang, G., Li, X., Spiro, B., Bhatia, R.S., and Jones, K.C., PBDEs in the atmosphere over the Asian marginal seas, and the Indian and Atlantic oceans. *Atmospheric Environment*, 2011. 45(37): p. 6622-6628.?
23. Li, J*, Del Vento, S., Schuster, J., Zhang, G., Chakraborty, P., Kobara, Y., and Jones, K.C., Perfluorinated Compounds in the Asian Atmosphere. *Environmental Science & Technology*, 2011. 45(17): p. 7241-7248.?

专利 ?

1. 一种PM₁₀单级大气采样切割器, 发明, 2014, 第1作者, 专利号: ZL201110133729.2?
2. 一种PM_{2.5}单级大气采样切割器, 发明, 2014, 第1作者, 专利号: ZL201110133743.2?
3. 一种吸附挥发性有机物的分子筛蜂窝体的制造方法, 发明, 2013, 第4作者, 专利号: ZL201110239675.8 ?
4. 基于商船搭载的海洋环境和样品采集系统, 实用新型, 2014, 第3作者, 专利号: ZL201320427049.6?
5. 大体积海水中痕量有机污染物采集装置及采集系统, 实用新型, 2014, 第4作者, 专利号: ZL201320430839.X?
6. 一种人工夯击辅助重力式柱状沉积物采集器, 实用新型, 2014, 第3作者, 专利号: ZL201320429186.3?
7. 一种Y型分子筛疏水改性的方法, 发明, 2013, 第4作者, 专利号: ZL201110239673.9.?
8. 一种有机废气的净化回收装置, 发明, 2012, 第4作者, 专利号: CN201120304104.3?

- 9.? 一种PM1联体多级切割采样头, 实用新型, 2012, 第2作者, 专利号: CN201120544681.X.?
10. 一种PM1联体多级切割采样头, 发明, 2015, 第2作者, 专利号: ZL201110435978.7, 已商品转化?
- 11.? 一种人工夯击辅助重力式柱状沉积物采集器, 发明, 2015, 第3作者, 专利号: ZL201310303171.7?
- 12.? 大体积海水中痕量有机污染物采集装置及采集系统, 发明, 2015, 第4作者, 专利号: ZL201310303153.9?
- 13.? 基于商船搭载的海洋环境和样品采集系统, 发明, 2015, 第3作者, 专利号: ZL201310301590.7?

承担科研项目情况:

- 1.? 国家自然科学基金面上项目, 41473101、珠江三角洲碳质气溶胶14C示踪、2015/01-2018/12、100万元、在研、主持。?
- 2.? 广州市科信局重点项目, 201504010002、基于14C技术的广州市大气重霾过程PM2.5来源解析、2015/06-2018/05、230万、在研、主持。?
- 3.? 中国科学院先导专项B, XDB05040503、灰霾有机质14C-AMS制样系统研制、2012/07-2017/06、170万元、在研、参加。?
- 4.? 国家自然科学基金面上项目, 41273117、基于催化加氢的碳质气溶胶黑碳和有机碳同位素定量源解析、2013/01-2013/12、25万元、已结题、主持。?
- 5.? 国家自然科学基金面上项目, 41073080, 印度洋及西太平洋中低纬度海域和中国边缘海POPs的长距离大气迁移及水-气交换、2011/01-2013/12、50万元、已结题、主持。?
- 6.? 国家基金和广东省联合基金, U0933002、电子垃圾拆解区水土环境POPs-重金属复合污染生物修复机理研究、2010/01-2013/12、195万元、已结题、参加。?
- 7.? 国家自然科学基金青年基金项目, 40603022、POPs在城市群硬化地表上的大气-地表界面作用机理研究、2007/01-2009/12、26万元、已结题、主持。?