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教育背景

2010年9月- 2015年6月 南开大学环境科学与工程学院，环境科学，攻读理学博士学位（硕博连读）

2006年9月-2010年6月 烟台大学环境与材料工程学院，环境科学，获理学学士学位

科研教学经历

2017年12月~至今，南开大学，环境科学与工程学院，副研究员

2015年7月~2017年12月，南开大学，环境科学与工程学院，讲师

学术与社会任职

"Chemosphere"，"Environmental Pollution"等SCI期刊审稿人

科研项目

1、国家自然科学基金-面上项目：颗粒物中毒性重金属和有机物联合风险的粒径分布规律研究及精细化多粒径健康风险源解析体系构建，主持。

2、国家自然科学基金-青年科学基金项目：颗粒物有机和无机组分粒径分布研究及多粒径精细化源解析方法构建，主持。

3、天津市自然科学基金（青年项目）：基于三维因子分析-后轨迹模型的PM2.5区域源解析方法，主持。

4、中央高校基本科研业务费专项资金，PM2.5长期监测和在线监测数据特征对受体模型影响研究及判断方法建立，主持。

5、成都、扬州、烟台、川南三城市、南宁等城市大气颗粒物源解析项目，主持。

6、国家重点研发计划"大气污染成因与控制技术研究"重点专项："大气污染多组分在线源解析集成技术"，参与。

7、国家自然科学基金重大研究计划重点支持项目：京津冀大气颗粒物动态源解析关键影响因子评估与综合验证，参与。

8、环保公益性行业科研专项：京津冀地区城市大气细颗粒物实时源解析技术研究与应用，在研，参与。

学术论著

1. **Yingze Tian**, Yufen Zhang, Yongli Liang, Zhibin Niu, Qianqian Xue, Yinchang Feng. PM2.5 source apportionment during severe haze episodes in a Chinese megacity based on a 5-month period by using hourly species measurements: Explore how to better conduct PMF during haze episodes. Atmospheric Environment, in press.

2. In Press, Journal Pre-proofWhat are Journal Pre-proof articles?

3. Qianqian Xue, Zhuo Jiang, Xiang Wang, Danlin Song, Fengxia Huang, **Yingze Tian**∗, Yanqi Huang-fu, Yinchang Feng. Comparative study of PM 10 -bound heavy metals and PAHs during six years in a Chinese megacity: Compositions, sources, and source-specific risks. Ecotoxicology and Environmental Safety 186 (2019) 109740.

4. Chao Wang, Zhao Meng, Peiting Yao, Linlin Zhang, Zheng Wang, Yibing Lv, **Yingze Tian**∗, Yinchang Feng.Sources-specific carcinogenicity and mutagenicity of PM 2.5 -bound PAHs in Beijing, China: Variations of contributions under diverse anthropogenic activitiesEcotoxicology and Environmental Safety 183 (2019) 109552.

5. Liao Guan, Yongli Liang, **Yingze Tian**∗, Zhuoran Yang, Yueming Sun, Yinchang Feng. Quantitatively analyzing effects of meteorology and PM2.5 sources on low visual distance. Science of the Total Environment 659 (2019) 764–772. 通讯作者

6. **Yingze Tian**, Jiayuan Liu, Suqin Han, Xurong Shi, Guoliang Shi*, Hong Xu, Haofei Yu, Yufen Zhang, Yinchang Feng, Armistead G. Russell. Spatial, seasonal and diurnal patterns in physicochemical characteristics and sources of PM2.5 in both inland and coastal regions within a megacity in China. Journal of Hazardous Materials 342 (2018) 139–149.

7. Jie Wen, Xiaojun Wang, Yanjie Zhang, Hongxia Zhu, Qian Chen, **Yingze Tian***, Xurong Shi, Guoliang Shi, Yinchang Feng. PM2.5 source profiles and relative heavy metal risk of ship emissions: Source samples from diverse ships, engines, and navigation processes. Atmospheric Environment 191 (2018) 55–63.

8. **Yingze Tian**, Zhimei Xiao, Haiting Wang, Xing Peng, Liao Guan, Yanqi Huangfu, Guoliang Shi, Kui Chen, Xiaohui Bi, Yinchang Feng*. Influence of the sampling period and time resolution on the PM source apportionment: Study based on the high time-resolution data and long-term daily data. Atmospheric Environment 165 (2017) 301-309.

9. Tong Liu, **Yingze Tian***, Qianqian Xue, Zhen Wei, Yong Qian, Yinchang Feng. An advanced three-way factor analysis model (SDABB model) for size-resolved PM source apportionment constrained by size distribution of chemical species in source profiles. Environmental Pollution,242 (2018) 1606-1615.

10. Jie Wen, Guoliang Shi, **Yingze Tian***, Gang Chen*, Jiayuan Liu, Yanqi Huang-Fu, Cesunica E. Ivey, Yinchang Feng. Source contributions to water-soluble organic carbon and water-insoluble organic carbon in PM2.5 during Spring Festival, heating and non-heating seasons. Ecotoxicology and Environmental Safety 164 (2018) 172–180.

11. Guoliang Shi, Xing Peng, Jiayuan Liu, **Yingze Tian***, Danlin Song, Haofei Yu, Yinchang Feng, Armistead G. Russell. Quantification of long-term primary and secondary source contributions to carbonaceous aerosols. Environmental Pollution 219 (2016) 897-905.

12. **Ying-Ze Tian**, Jia-Bao Chen, Lin-Lin Zhang, Xin Du, Jin-Jin Wei, Hui Fan, Jiao Xu, Hai-Ting Wang, Liao Guan, Guo-Liang Shi*, Yin-Chang Feng. Source profiles and contributions of biofuel combustion for PM2.5, PM10 and their compositions, in a city influenced by biofuel stoves. Chemosphere, 189 (2017) 255-264.

13. **Yingze Tian***, Qianqian Xue, Zhimei Xiao, Kui Chen, Yinchang Feng**. PMF-GAS Methods to Estimate Contributions of Sources and Oxygen for PM 2.5, Based on Highly Time-Resolved PM 2.5 Species and Gas Data. Aerosol and Air Quality Research, 18: 2956–2966, 2018.

14. Guo-Liang Shi, **Ying-Ze Tian***, Tong Ma, Dan-Lin Song, Lai-Dong Zhou, Bo Han, Yin-Chang Feng, Armistead G. Russell. Size distribution, directional source contributions and pollution status of PM from Chengdu, China during a long-term sampling campaign. Journal of Environmental Sciences, 56, 2017, 1-11.

15. **Ying-Ze Tian**, Guo-Liang Shi*, Yan-Qi Huang-Fu, Dan-Lin Song, Jia-Yuan Liu, Lai-Dong Zhou, Yin-Chang Feng. Seasonal and regional variations of source contributions for PM 10 and PM2.5 in urban environment. Science of the Total Environment 557–558 (2016) 697–704.

16. **Ying-Ze Tian**, Gang Chen, Hai-Ting Wang, Yan-Qi Huang-Fu, Guo-Liang Shi*, Bo Han, Yin-Chang Feng. Source regional contributions to PM2.5 in a megacity in China using an advanced source regional apportionment method. Chemosphere 147 (2016) 256-263.

17. **Ying-Ze Tian**, Yan-Qi Huang-Fu, Guo-Liang Shi, Xu-Rong Shi, Bo Han, Yin-Chang Feng*. Accuracy of Advanced and Traditional Three-Way Factor Analysis Models for Determining Source Contributions to Particulate Matter. Aerosol and Air Quality Research, 16: 2512–2522, 2016.

18. Guo-Liang Shi, Hao Chen, **Ying-Ze Tian***, Dan-Lin Song, Lai-Dong Zhou, Fei Chen, Hao-Fei Yu 4 , Yin-Chang Feng*. Effect of Uncertainty on Source Contributions from the Positive Matrix Factorization Model for a Source Apportionment Study. Aerosol and Air Quality Research, 16: 1665–1674, 2016.

19. Guo-Liang Shi, **Ying-Ze Tian***, Si Ye, Xing Peng, Jiao Xu, Wei Wang, Bo Han, Yin-Chang Feng*. Source apportionment of synchronously size segregated fine and coarse particulate matter, using an improved three-way factor analysis model. Science of the Total Environment 505 (2015) 1182–1190.

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21. **Ying-Ze Tian**, Guo-Liang Shi*, Bo Han, Jian-Hui Wu, Xiao-Yu Zhou, Lai-Dong Zhou, Pu Zhang, Yin-Chang Feng. Using an improved Source Directional Apportionment method to quantify the PM 2.5 source contributions from various directions in a megacity in China.Chemosphere 119 (2015) 750–756.

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25. **Tian, Y.Z.**, Shi, G.L., Han, S.Q., Zhang, Y.F., Feng, Y.C., Liu, G.R., Gao, L.J., Wu, J.H., Zhu, T. Vertical characteristics of levels and potential sources of water-soluble ions in PM10 in a Chinese megacity. Science of the Total Environment, 2013, 447, 1-9.

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27. **Tian, Y.Z.**, Xiao, Z.M., Han, B., Shi, G.L., Wang, W., Hao, H.Z., Li, X., Feng, Y.C., Zhu, T. Seasonal Study of Primary and Secondary Sources of Carbonaceous Species in PM10 from Five Northern Chinese Cities. Aerosol and Air Quality Research, 2013, 13, 148–161.

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29. Shi, G.L., Liu, G.R., Peng, X., Wang, Y.N., **Tian, Y.Z.***, Wang, W., Feng, Y.C. A Comparison of Multiply Combined Models: Including PCA/MLR-CMB, Unmix-CMB and PMF-CMB Models, for Source Apportionment. Aerosol and Air Quality Research, 14: 2040–2050, 2014.

30. 皇甫延琦, **田瑛泽***, 董世豪, 戴启立, 史国良, 周潇雨, 魏桢, 干勇, 冯银厂. 基于 PMF 模型的大气颗粒物多点位来源解析研究. 中国环境科学,2018,38(6)2032~2038.

31. 陈刚, 周潇雨, 吴建会, **田瑛泽***, 周来东, 史国良, 冯银厂. 成都市冬季 PM 2.5 中多环芳烃的源解析与毒性源解析. 中国环境科学, 2015,35(10): 3150~3156.

32. 温杰,史旭荣, **田瑛泽***,徐娇,史国良,冯银厂. 利用 SPAMS 研究天津市夏季环境空气中细颗粒物化学组成特征. 环境科学, 2018.

专著:

朱坦，冯银厂，史国良，毕晓辉，张一心，张裕芬，吴建会，**田瑛泽**，Recent development of receptor model for ambient particulate matter source apportionment，科学出版社，20000，2016.11.1

专利:

1. 基于气体标识的大气污染物多元源解析算法，国家发明专利，申请号：201710569430.9.

2. 一种基于颗粒物无机组分和有机标识物的精细化源解析方法，国家发明专利，申请号：201711252425.1.

3. SDABB源解析方法、系统、终端设备及计算机可读存储介质，国家发明专利，申请号：201810778540.0.

荣誉与奖励

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南开大学优秀博士毕业论文

南开大学研究生特等奖学金暨"南开十杰"荣誉称号