



Curriculum Vitae

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5. Education

- Oct., 1978-July, 1982 Department of Technical Physics, Peking University, B.Sc.
- Sept., 1982-July, 1985 Department of Technical Physics, Peking University, M.Sc.
- Sept., 1987-July, 1990 Center for Environmental Sciences, Peking University, Ph.D.
- Dec., 1993-June 1995 Environmental Department, the Netherlands Energy Research Foundation, the Netherlands, Post Doctor

6. Professional Experiences

- Aug. 1985- Aug. 1987 Assistant researcher, Eco-Environmental Research Center, Academic Sinica.
- August 1990-Nov. 1993 Lecturer, Associate Professor of the Division of Atmospheric Chemistry, Center for Environmental Sciences, Peking University
- Dec., 1993-June 1995 Guest researcher at Environmental Department, the Netherlands Energy Research Foundation, the Netherlands
- June 1995-June 1996 Associate Professor, Director of the Division of Atmospheric Chemistry, Center for Environmental Sciences, Peking University
- June 1996-June 2002 Professor, Director, Center for Environmental Sciences, Peking University
- June 2002-May 2007 Professor, Executive associate dean, College of Environmental Sciences, Peking University
- June, 2007- Professor, Dean, College of Environmental Sciences and Engineering, Peking University

7. Membership

- Oct. 2009- Vice Chair, UNEP ABC-Asia Science Team
- June, 2006- Vice-Chairman, Chinese Society of Environmental Sciences CSES

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Member, Committee of Science and Technology, Ministry of
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8. Research interests

Atmospheric Chemistry, Urban and regional air quality, Air Pollution and Climate Change

9. On-going project

China Hi-Tech Development and Research Program: Synthesized Prevention Techniques for Air
Pollution Complex and Integrated Demonstration in Key City-Cluster Region (2006-2010)

10. Recent Publication

1. Gong Youguo, Min Hu, Yafang Cheng, Hang Su, Dingli Yue, Feng Liu, A. Wiedensohler, Zhibin Wang, H. Kalesse, Shang Liu, Zhijun Wu, Kaitao Xiao, Puchun Mi and Yuanhang Zhang*, Competition Of Coagulation Sink And Source Rate: New Particle Formation In The Pearl River Delta Of China, Atmospheric Environment, doi:10.1016/j.atmosenv.2010.05.049
2. Wang X., Y. Zhang*, Y. Hu, W. Zhou, K. Lu, L. Zhong, L. Zeng, M. Shao, M. Hu, and A. G. Russell, Process analysis and sensitivity study of regional ozone formation over the Pearl River Delta of China during the PRIDE-PRD2004 Campaign using the CMAQ model, Atmos. Chem. Phys., 10 ,4423–4437, 2010
3. Lu, Keding, Yuanhang Zhang*, Hang Su, Theo Brauers, Charles C. Chou, Andreas Hofzumahaus, Shaw C.Liu, Kazuyuki Kita, Yutaka Kondo, MinShao, Andreas Wahner, Jialin Wang, Xuesong Wang, and Tong Zhu (2010), Oxidant (O₃ + NO₂) production processes and formation regimes in Beijing, J. Geophys. Res., 115, D07303, doi:10.1029/2009JD012714.
4. LU Keding, ZHANG YuanHang*, SU Hang, SHAO Min, ZENG LiMin, ZHONG LiuJu, XIANG YunRong, CHANG ChihChung3, CHOU C.K. Charles, and Andreas Wahner, Regional ozone pollution and key controlling factors of photochemical ozone production in Pearl River Delta during summer time, 2010. Sci China Chem, 53(3) 651–663.
5. LU Keding, ZHANG YuanHang*, Observations of HO_x Radical in Field Studies and the Analysis of Its Chemical Mechanism, PROGRESS IN CHEMISTRY, 22, 500-514, 2010
6. Yu Song, Di Chang, Bing Liu, Weijie Miao, Lei Zhu and Yuanhang Zhang* (2010), A new emission inventory for nonagricultural open fires in Asia from 2000 to 2009, ENVIRONMENTAL RESEARCH LETTERS, 5(1), doi:10.1088/1748-9326/5/1/014014
7. Tomoaki Nishizawaa, Nobuo Sugimoto, Ichiro Matsui, Atsushi Shimizu, Xingang Liu, Yuanhang Zhang, Ruhao Li, Jun Liu, Vertical distribution of water-soluble, seasalt, and dust

aerosols in the planetary boundary layer estimated from two-wavelength backscatter and one-wavelength polarization lidar measurements in Guangzhou and Beijing, China, *Atmospheric Research*, 96(2010) 602–611

8. Xingang Liu, Yuanhang Zhang*, Jinsang Jung, Jianwei Gu, Yunpeng Li, Song Guo, Shih-Yu Chang, Dingli Yue, Peng Lin, Young J. Kim, Min Hu, Limin Zeng, and Tong Zhu (2009), Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijing-2006, *J. Geophys. Res.*, 114, D00G16, doi:10.1029/2008JD010805
9. R. Xiao, N. Takegawa, Y. Kondo b, Y. Miyazaki, T. Miyakawa, M. Hu, M. Shao, L.M. Zeng, A. Hofzumahaus, F. Holland, K. Lu, N. Sugimoto, Y. Zhao, Y.H. Zhang*, Formation of submicron sulfate and organic aerosols in the outflow from the urban region of the Pearl River Delta in China, *Atmospheric Environment* 43 (2009) 3754–3763
10. Andreas Hofzumahaus, Franz Rohrer*, Keding Lu, Birger Bohn, Theo Brauers, Chih-Chung Chang, Hendrik Fuchs, Frank Holland, Kazuyuki Kita, Yutaka Kondo, Xin Li, Shengrong Lou, Min Shao, Limin Zeng, Andreas Wahner, Yuanhang Zhang* (2009), Amplified Trace Gas Removal in the Troposphere, *Science* 324, 1702-1704. DOI: 10.1126/science.1164566
11. Wang, X.S., Li, J.L., Zhang, Y.H.*, Xie, S.D., Tang, X.Y., (2009) Ozone source attribution during a severe photochemical smog episode in Beijing, China, *Science in China Series B-Chemistry*, 52(8), 1270-1280, DOI: 10.1007/s11426-009-0137-5
12. Song, Y., B. Liu, W. Miao, D. Chang, and Y. Zhang* (2009), Spatiotemporal variation in nonagricultural open fire emissions in China from 2000 to 2007, *Global Biogeochem. Cycles*, 23, GB2008, doi:10.1029/2008GB003344
13. Zhang YX, Schauer JJ, Stone EA, Zhang YH*, Shao M, Wei YJ, Zhu XL, Harmonizing Molecular Marker Analyses of Organic Aerosols, *AEROSOL SCIENCE AND TECHNOLOGY*, 43 (2009), 275-283
14. Zhang YH and KD Lu, The dependence of ozone production rate on ozone precursors in the Beijing and Pearl River Delta regions, 2009. *IGActivities*, Issue 42, 26-38
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petroleum gas (LPG) from motor vehicles, *ATMOSPHERIC ENVIRONMENT*, 43, 7, 2009

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