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PERSONAL INFORMATION

Date of Birth: August 2, 1962
Nationality: U.S. Citizen

EDUCATION

PhD., January 2002
Epidemiology/Exposure Assessment, School of Public Health, University of Medicine and Dentistry of New Jersey (UMDNJ), and Rutgers, the State University of New Jersey, New Brunswick, New Jersey

M.D., July 1985
Tongji Medical University, Wuhan, China

HONORS and AWARDS

- Dean's Feasibility Grant Award, Pennsylvania State University College of Medicine, 2003
- Awards of Progress in Science and Technology, Wuhan City Government, 1992
- Award of Progress in Science and Technology, Hubei Province Government, 2000
- Excellent Researcher and Engineer, Wuhan Environmental Protection Institute, 1996
- Achievement in Environmental Science and Technology, Chinese National Environmental Protection Agency (NEPA), 1992

EMPLOYMENT

Saint Louis University, College for Public Health and Social Justice, Department of Epidemiology and Biostatistics, Saint Louis, Missouri

Tenured Professor of Epidemiology	July 2014 – present
Tenured Associate Professor of Epidemiology	July 2013 – June 2014
Associate Professor of Epidemiology	August 2010 – June 2013
Chair, Department of Epidemiology	July 2011 – July 2017
Chair, Department of Epidemiology and Biostatistics	July 2017 – June 2022
Director, Center of Excellence in MCH Education, Research, and Practice (COE)	Feb. 2022 – present
Director, Maternal and Child Health	March 2022 – present
Co-Director, Institute for Global Health and Wellbeing	July 2017 – present

Saint Louis University, College for Public Health and Social Justice, Institute for Global Health & Wellbeing, Saint Louis, Missouri
Professor of Global Health
August 2014 – present

Huazhong University of Science and Technology, School of Medicine and Health Management, Wuhan, China
Guest Professor June 2012 – present

Environmental Health Institute, Geisinger Center for Health Research, Danville, Pennsylvania
Investigator II and Co-Director of the March 2008 – July 2010
Developing research projects on community health, children's health, global health, environmental health, reproductive epidemiology, clinical epidemiology, chronic disease epidemiology, and pharmacogenetics

The Pennsylvania State University College of Medicine, Department of Public Health Sciences, Division of Epidemiology, Hershey, Pennsylvania
Assistant Professor of Epidemiology January 2002 – February 2008
Developing research projects on community health, global health, children's health, environmental health, disaster and bioterrorism preparedness, and epidemiology and teaching graduate and medical students
Assistant Professor of Public Health (Fixed Term II) March 2008 – July 2010
Associate Professor of Public Health (Fixed Term II) August 2010 – June 2015
Professor of Public Health (Fixed Term II) June 2015 – present

Environmental and Occupational Health Sciences Institute (EOHSI), Exposure Science Division, Piscataway, New Jersey

- **Research Assistant (Ph.D. study)** September 1997 – September 2001
  Worked on project, "Study for Effects of Long-term Air Pollution on Lung Function and Respiratory Health in Children and Adults," sponsored by EPA and Chinese government: conducted analytic design, database establishment, database management, data processing and analysis, and data reporting on 7540 cross-sectional standard questionnaires (with 1,258,000 observations) and 12,000 longitudinal children's lung function; evaluated the effect of particles on respiratory conditions in children and adults and on the growth of lung function; examined the exposure – effects relationship between residential exposures to cigarette smoking and combustion fuels on the respiratory conditions and the lung function.

- **Research Assistant** September 1997 – August 1998
  Processed and analyzed data using SAS for the studies: "Lead, Solvents and Neurobehavioral in Construction Workers," and "Functional Status and Mood in Persian Gulf Registry Veterans with Chronic Fatigue Syndrome." Tasks included systematic evaluation of disease targets and relevant populations in conjunction with psychologists, statisticians, and exposure experts; data cleaning-up, data management, multivariate analysis of variance, developing multiple linear regression and unconditional logistic regression models, and factor analysis of covariates.

- **Visiting Scholar** September 1996 – September 1997
  Worked for the project, "Study for Effects of Long-term Air Pollution on Lung Function and Respiratory Health in Children and Adults." Processed, analyzed, and reported epidemiological and environmental exposure data from the pilot and full-scale studies; reported on children's and adults' respiratory health effects of indoor and outdoor air pollution in conjunction with physicians, statisticians, and environmental scientists.

Wuhan Academy of Environmental Sciences/ Wuhan Environmental Monitoring Center, Environmental and Occupational Medicine Division, Wuhan, China

- **Deputy Director** October 1995 – August 1996
- **Epidemiologist** October 1991 – August 1996
- **Medical Engineer** September 1985 – September 1991

Supervised and conducted research as Principal Investigator on study design, data collection, database establishment, database management, data processing and analysis, and data reporting on projects: "Health Effects of Atmospheric Pollution on Urban Residents" (Sponsored by the Chinese State Environmental Protection Administration), **"**Study for Effects of Long-term Air Pollution on Lung Function and Respiratory Health in Children and Adults" (Sponsored by U.S. Environmental Protection Agency), and "Investigation on the Health Effects of Environmental Pollution on Residents in Yijiadun Industrial Area of Wuhan" (Sponsored by Wuhan Environmental Protection Agency).

Worked as Co-Investigator on the projects: "Cadmium Bioaccumulation, Oral Exposure, and Kidney Impairment," "Dynamics, Exposure and Hazard Assessment of Chloroform in Drinking water" and "Study on the Sources and Contribution of Atmospheric Particles in Wuhan".

Worked as Consultant in the projects, "Impact of a Shengnong Automobile Assembly Plant on the Environment" and "Impact of a Changjang Papermaking Mill on the Environment".

PROFESSIONAL INTERESTES (current)

Research interests include community health, global health, children's health, disaster and bioterrorism preparedness, environmental health, exposure assessment, asthma, pregnancy outcomes, HIV/AIDS, and epidemiology.

MEMBERSHIPS (past and current)

International Epidemiological Association
International Society for Environmental Epidemiology
International Society of Exposure Analysis
National Environmental Health Association
Chinese Association of Preventive Medicine

SERVICES

Reviewer

Environmental Health Sciences Review Committee (EHSRC), 2021 – present

National Institute of Environmental Health Sciences' P30 Core Center Program, August 2018

National Institute of Environmental Health Sciences/Environmental Protection Agency's Centers for Children's Environmental Health and Disease Prevention Research (P50 Mechanism, RFA-ES-14-002), May 2015

The National Institute for Occupational Safety and Health/The National Occupational Research Agenda (NIOSH/NORA), 2006, 2007

National Institute of Environmental Health Sciences Special Emphasis Panel – Children Environmental Health Center, 2010, 2012

The Health Effects Institute's program of *Walter A. Rosenblith New Investigato*r, 2012

The American Journal of Epidemiology
Epidemiology
BMJ
Science of the Total Environment
The Journal of the Air & Waste Management Association
The Journal of *BMC Family*
Environmental Research
Environment International

Chair
Environmental and Occupational Health Department Chair Searching Committee, College for Public Health and Social Justice (CPHSJ), Saint Louis University, 2015 – 2016

Members
International Childhood Cancer Cohort Consortium (I4C), 2012 – present

Marshal at Large from the CPHSJ Louis University, May 2012 – 2013

Comprehensive Globalization Vision Team, Saint Louis University, March 2012 – 2017

Coordinator, Global Health Strategy Committee, the College for Public Health and Social Justice, Saint Louis University, March 7, 2011 – August 19, 2011

Committee of Global Health & Wellbeing, College for Public Health & Social Justice, 2013

Doctorial Committee, College for Public Health and Social Justice, 2012 – present

Strategic Planning Committee, College for Public Health and Social Justice, 2013

Academic Committee, College for Public Health and Social Justice, 2011 – present

The Environmental and Occupational Health (EOH) Program Committee of the American Thoracic Society (ATS), 2007 – 2008

The Technical Advisory Group of Pennsylvania's National Environmental Public Health Tracking Program, 2004 – 2010

The Advisory Board for the Master of Homeland Security (MHS) in Public Health Preparedness at the Pennsylvania State University (PSU), 2004 – 2008
The Graduate Education Committee for the MHS at the PSU, 2004 – 2008

The Graduate Education Committee for the Department of Public Health Sciences, 2005 – 2007

Consultants
The Pennsylvania Department of Health, Planning Consortium of Environmental Hazards/Exposure and Disease Outcomes, 2004 – 2010

ExxonMobil Biomedical Sciences, Inc., 2005
The Living Heart Foundation, 2004 – 2006

PUBLICATIONS

1. Lin Yinian, **Qian Z**. Indexes of health effects of the environmental Pb pollution. *Wuhan Environmental Protection* 2:49-51,1986.
2. Xin Z, Din Y, **Qian Z**. Study of urinary biomarkers for traffic policeman exposure to Benzo[a]pyrene (BaP) *Wuhan Environmental Protection* 1:230-242, 1987.
3. Shong Z, **Qian Z**, Xu F, Lin Y. Measurement of micronucleoli in peripheral blood lymphocytes for workers in the pharmaceutic trades. *Wuhan Environmental Protection* 1:178-180, 1987.
4. Tian X, **Qian Z**. Study on Wuhan atmospheric diffusion and volume by mathematical models. *Proc of Chinese National Atmospheric Diffusion and Evaluation,* Beijing, China, 1990.
5. Lin Y, **Qian Z**. The analysis of the death cause in Yinjiadun industrial pollution in Wuhan. *Excellent Scientific Article of Hubei Province*, Wuhan, China, 1991.
6. Waldman JM, Lioy PJ, Zelenka M, Jing L, Lin YN, He QC, **Qian Z**, Chapman RS, Wilson WE. Wintertime measurements of aerosol acidity and trace elements in Wuhan, a city in central China. *Atmospheric Environment* 25B:113-120, 1991.
7. **Qian Z**, Cheng X, Xu F. Children lung function effected by air pollution – measurement of pulmo-age loss with intrinsic disturbance wave theory. *Chin J Environ Sci* 12:66-75, 1992.
8. **Qian Z**, Zhang S, Bao K. A new index of health effects of the air pollution – intrinsic disturbance wave. *Chin Environ Sci Tech* 16:187-192, 1992.
9. Xu F, Zheng X, Ding Y, Lin Y, Guo H, **Qian Z**, Xu W. Relationship between ambient air Benzo(a)pyrene (BaP) and Bap Biomarkers in Wuhan, China. Chin Environ Sci Tech 2: 47-52, 1992.
10. Xu F, Kong L, He Q, **Qian Z,** Guo H, Xu K. Study on children's lung function effects of exposure to indoor and outdoor air pollution. *J Yunan Prev Med* 3(4):201-212, 1998.
11. Zhang J, **Qian Z**, Kong L, Zhou L, Yan L, Chapman RS. Effects of air pollution on respiratory health of adults in three Chinese cities. *Arch Environ Health* 54(6):373-181, 1999.
12. **Qian Z**, Chapman RS, Tian Q, Chen Y, Lioy PJ, Zhang J. Effects of air pollution on children's respiratory health in three Chinese cities. *Arch Environ Health* 55(2):126-133, 2000.
13. **Qian Z**, Zhang J, Wei F, Wilson WE, Chapman RS. Long-tern ambient air pollution levels; 1) intercity and intracity exposure gradients for epidemiological studies. *J Expo Anal Environ Epidemiol* 11:341-351, 2001.
14. **Qian Z**. Impacts of cooking coal smoke and heating coal smoke on respiratory health of children in four Chinese cities. In: *Proceedings of Indoor Air*: 1030-1035, 2002.
15. Buyantseva L, Korotkov KG, **Qian Z**, Bascom R, Ponomarenko GN. Gaseous discharge visualization (GDV) bioelectrography in patients with hypertension (pilot study). *Proc Measuring the Human Energy Field, State of the Science*, 31-54. The Gerontology Research Center, National Institute on Aging, National Institute of Health, Baltimore, MD, 2002.

16. Bascom R, Buyantseva LV, **Qian Z**, Dolina M, Korotkov KG. Gas discharge visualization (GDV)-bioelectrography: description of GDV performance under workshop conditions and principles for consideration of GDV as a possible health status measure. *Proc Measuring the Human Energy Field, State of the Science*, 55-66. The Gerontology Research Center, National Institute on Aging, National Institute of Health, Baltimore, MD, 2002.
17. **Qian Z**, Chapman RS, Hu W, Wei F, Korn LR, Zhang J. Using air pollution based community clusters to explore air pollution health effects in children. *Environ Int* 30:611-620, 2004.
18. **Qian Z**, Zhang J, Korn OR, Wei F, Chapman RS. Factor analysis of household factors: Are they associated with respiratory conditions in Chinese children? *Int J Epidemiol* 33:1-7, 2004.
19. **Qian Z**, Zhang J, Korn LR, Wei F, Chapman RS. Exposure-response relationships between lifetime exposure to residential coal smoke and respiratory symptoms and illnesses in Chinese children. J Expo Anal Environ Epidemiol 14: S78-S84,2004.
20. Berlin CM, LaKind JS… Pugh LC, **Qian Z**, Salamone L…Tully MR, and Uhl K. Conclusions and recommendations of the expert panel: technical workshop on human milk surveillance and biomonitoring for environmental chemicals in the United States. *J Toxicol Environ Health A*68:1691-1712, 2005.
21. Fenton SE, Condon M, McDiarmid M, Ettinger A, Mason A, **Qian Z**, Selevan S, and LaKind JS. Collection and use of exposure data from human milk biomonitoring in the United States. *J Toxicol Environ Health A*68:1825-1831, 2005.
22. Wang R, Bates MN, Goldstein DA, Haynes SG, Hench KD, Lawrence RA, Mahaffey KR, Paul IM, and **Qian Z**. Human milk research for answering questions about human health. *J Toxicol Environ Health A*68:1771-1801, 2005.
23. **Qian Z**, He Q, Kong L, Chapman RS, Wei F, Bascom R. Lung function is associated with cooking coal smoke among primary school children in Wuhan, China. *Proceedings of Indoor Air:* 3607-3611, 2005.
24. He Q, **Qian Z**, Kong L, Wei F, Chapman RS, Edwards RD, Bascom R. Respiratory conditions are associated with household factors in middle aged men in Wuhan, China. *Proceedings of Indoor Air:* 3602-3606, 2005.
25. **Qian Z**, Liao D, Lin HM, Whitsel EA, Rose KM, Duan Y. Lung function and long-term exposure to air pollutants in middle-aged American adults. *Archives of Environmental & Occupational Health* 60:156-163, 2006.
26. Buyantseva LV, Tulchinsky M, Kapalka GM, Chinchilli VM, **Qian Z**, Gillio R, Roberts A, Bascom R. Evolution of Lower Respiratory Symptoms in New York Police Officers After 9/11: A Prospective Longitudinal Study. *J Occup Environ Med* 49:310-317, 2007.
27. **Qian Z**, He Q, Kong L, Xu F, Wei W, Chapman RS, Chen W, Edwards RD, Bascom R. Respiratory responses to diverse indoor combustion air pollution sources. *Indoor Air* 17:135–142, 2007.
28. **Qian Z**, He, Q, Lin HM, Kong L, Liao D, Yang N, Bentley CM, Xu S. Short-term effects of gaseous pollutants on cause-specific mortality in Wuhan, China. *J Air Waste Manag Assoc* 57:785-93, 2007.
29. Wen X, Chen W, Muscat JE, **Qian Z**, Lu C, Zhang C, Luo Y, Liang C, Han K, Deng X, Ou Y, Ling W. Modifiable family and school environmental factors associated with smoking status among adolescents in Guangzhou, China. *Preventive Medicine* 45:189–197, 2007.
30. **Qian Z**, He Q, Lin HM, Kong L, Liao D, et al. Association of daily cause-specific mortality with ambient particle air pollution in Wuhan, China. *Environmental Research* 105:380–389, 2007.

31. Wen X, Chen X, **Qian Z**, Muscat JE, Lu C, Zhang C, Luo Y, Liang C, Han K, Deng X, Ou Y, Ling W. Differences in students' smoking-related knowledge, attitudes and behaviors among public, factory and private secondary schools in Guangzhou, China. *Journal of School Health* 78:46-53, 2008.
32. **Qian Z**, He Q, Lin HM, Kong L, Liao D, Gong J, Bentley CM, Wei H. Exploring uncertainty of the change from ICD-9 to ICD-10 on acute mortality effects of air pollution. *Environment International* 34:248-253, 2008.
33. Wong CM, Vichit-Vadakan Kan H, **Qian Z**, and the PAPA Project Teams. Public Health and Air Pollution in Asia (PAPA): A Multi-City Study of Short-Term Effects of Air Pollution on Mortality. *Environ Health Perspect* 116:1195-1202, 2008.
34. **Qian Z**, He Q, Lin HM, Kong L, Bentley CM, Liu W, Zhou D. High Temperatures Enhanced Acute Mortality Effects of Ambient Particle Pollution in the "Oven" City of Wuhan, China. *Environ Health Perspect* 116:1172-1178, 2008.
35. **Qian Z**, Lin HM, Chinchilli VM, Lehman EB, Stewart WF, Shah N, Duan Y, Craig TJ, Wilson WE , Liao D, Lazarus SC, Bascom R. Associations between Air Pollution and Peak Expiratory Flow among Patients with Persistent Asthma. *Journal of Toxicology and Environmental Health, Part A* 72:39–46, 2009.
36. Berger Z, Kimbrough W, Gillespie C, Boscarino JA, Wood GC, **Qian Z**, Jones JB, Shah NR. Lower copay and oral administration: predictors of first-fill adherence to new asthma prescriptions. *AHDB* 2:174-180, 2009.
37. **Qian Z**, Lin HM, Chinchilli VM, Lehman EB[1], Duan Y, Craig TJ, Wilson WE, Liao D, Lazarus SC, Bascom R. Interaction of ambient air pollution with asthma medication on exhaled nitric oxide among asthmatics. *Archives of Environmental and Occupational Health* 64:168-176, 2009.
38. Kan H, Wong CM; Vichit-Vadakan N; **Qian Z**, the PAPA Project Team. Short-term association between sulfur dioxide and daily mortality: The Public Health and Air Pollution in Asia (PAPA) study. *Environmental Research* 110:258-264, 2010.
39. **Qian Z**, Lin HM, Stewart WF, Kong K, Xu F, Zhou D, Zhu Z, Liang S, Chen W, Shah N, Stetter C, He Q. Seasonal patterns of acute mortality effects of ambient air pollution. *J Air Waste Manag Assoc* 60:481-488, 2010.
40. Cheriyath P, Duan Y, **Qian Z,** Nambiar L, Liao D. Obesity, physical activity and the development of metabolic syndrome: the atherosclerosis risk in community study. European Journal of Cardiovascular Prevention & Rehabilitation 17: 309-313, 2010.
41. **Qian Z**, He, Q, Lin HM, Kong L, Zhou D, Liao D, Liu W, Bentley CM, Dan J, Wang B, Yang N, Xu S, Gong J, Wei H, Sun H, Qin Z. Part 2. Association of Daily Mortality with Ambient Air Pollution, and Effect Modification by Extremely High Temperature in Wuhan, China. In: Public Health and Air Pollution in Asian (PAPA): Coordinated Studies of Short-Term Exposure to Air Pollution Daily Mortality in Four Cities. HEI Research Report 154. Health Effects Institute, Boston, MA, 2010.
42. Wong CM,…Kan HD,…Vichit-Vadakan NV,…**Qian Z**… Part 5. Public Health and Air Pollution in Asian (PAPA): A Combined Analysis of Four Studies of Air Pollution and Mortality. In: Public Health and Air Pollution in Asian (PAPA): Coordinated Studies of Short-Term Exposure to Air Pollution Daily Mortality in Four Cities.HEI Research Report 154. Health Effects Institute, Boston, MA, 2010.
43. Dong G, **Qian Z**, Xaverius P, Trevathan E, Maalouf S, Parker J, Yang L, Liu M, Wang D, Ren WH, Ma W, Wang J, Zelicoff A, Fu Q and Simckes M. Association Between Long-Term Air Pollution and Increased Blood Pressure and Hypertension in China. *Hypertension* 61:578-584, 2013. **Corresponding Author.**

44. Dong GH, **Qian Z**, Liu MM, Wang D, Ren WH, Bawa S, Fu Q, Wang J, Lewis R, Zelicoff A, Simckes M, Trevathan E. Breastfeeding decreases the respiratory health effects of air pollution in Chinese children: The Seven Northeastern Cities (SNEC) Study. *Epidemiology* 24:387–394, 2013. **Corresponding Author.**
45. Dong GH, **Qian Z**, Liu MM, Wang D, Ren WH, Fu Q, Wang J, Simckes M, Ferguson TF, Trevathan E. Obesity Enhanced Respiratory Health Effects of Ambient Air Pollution in Chinese Children: The Seven Northeastern Cities (SNEC) Study. *International Journal of Obesity* 37: 94–100, 2013. **Corresponding Author.**
46. Dong GH, **Qian Z**, Wang J, Trevathan E, Ma WJ. Chen WQ, Xaverius PK, Buckner-Petty K, Ray A, Liu MM, Wang D, Ren WH, Emo B, Chang JJ. Residential characteristics and household risk factors and respiratory diseases in Chinese women: The Seven Northeast Cities (SNEC) Study. Science of The Total Environment 463–464:389–394, 2013. **Corresponding Author.**
47. Dong GH, **Qian Z**, Wang J, Chen WQ, Ma WJ, Trevathan E, Xaverius PK, DeClue R., Wiese A, Langston M, Liu MM, Wang D, Ren WH. Associations between ambient air pollution and prevalence of stroke and cardiovascular diseases in 33 Chinese communities. *Atmospheric Environment* 77: 968-973, 2013. **Corresponding Author.**
48. Zhao Y, **Qian Z**, Dong GH, Wang J, Vaughn M, Liu YQ, Ren WH, Lee YL. Does Obesity Amplify the Association between Ambient Air Pollution and Increased Blood Pressure and Hypertension in Adults? Findings from the 33 Communities Chinese Health Study. *International Journal of Cardiology* 168(5):e148-e150, 2013.
49. Dong G, **Qian Z**, Fu Q, Wang J, Trevathan E, Ma W, Liu M, Wang D, Ren WH, Ong KH, Ferguson TF, Riley E, Simckes M. A Multiple Indicators Multiple Cause (MIMIC) Model of Respiratory Health and Household Factors in Chinese Children: The Seven Northeastern Cities (SNEC) Study. DOI 10.1007/s10995-013-1245-6. *Matern Child Health J* 18(1):129-137, 2014. **Corresponding Author.**
50. Dong GH, **Qian Z**, Liu MM, Wang D, Ren WH, Flick LH, Fu J, Wang J, Chen W, Simckes M, Trevathan E. Ambient air pollution and the prevalence of obesity in Chinese children: the Seven Northeastern Cities (SNEC) Study. *Obesity* 22: 795–800. doi:10.1002/oby.20198, 2014. **Corresponding Author.**
51. Wang D, **Qian Z**, Wang J, Yang M, Lee YL, Liu F, Liu MM, Zhao Y, Liu YQ, Huang MM, Liu Y, Sun J, Liu YZ, Wu CC, Dong GH. Gender-specific differences in associations of overweight and obesity with asthma and asthma-related symptoms in 30,056 children: results from 25 districts of Northeastern China. Journal of Asthma, doi: 10.3109/02770903.2014.892963, 2014.
52. Dong GH, **Qian Z**, Trevathan E, Zeng XW, Vaughn MG, Wang J, Zhao Y, Liu YQ, Ren WH, Qin XD. Air pollution associated hypertension and increased blood pressure may be reduced by breastfeeding in Chinese children: The Seven Northeastern Cities Chinese Children's Study. International Journal of Cardiology 176(3):956-961, 2014.
53. Yang S, Zhang B, Zhao J, Wang J, Flick L, **Qian Z**, Zhang D, Mei Hui. Progress on the Maternal Mortality Ratio Reduction in Wuhan, China in 2001–2012. PLoS ONE 9(2): e89510. doi:10.1371/journal.pone.0089510, 2014.
54. Lin H, Zhang Y, Liu T, Xiao J, Xu Y, Xu X, **Qian Z**, Tong S, Luo Y, Zeng W, Ma W. Mortality reduction following the air pollution control measures during the 2010 Asian Games, *Atmospheric Environment*, doi: 10.1016/j.atmosenv.2014.03.051, 2014.
55. **Qian Z**, Dong GH, Ren WH, Simckes M, Wang J, Zelicoff A, Trevathan E. Effect of pet ownership on respiratory responses to air pollution in Chinese children: The Seven Northeastern Cities (SNEC) study. *Atmospheric Environment* 87: 47-52, 2014.

56. Dong GH, **Qian Z**, Wang J, Chen WQ, Ma WJ, Trevathan E, Liu MM, Wang D, Ren WH, Chen W, Simckes M, Zelicoff A. Home renovation, family atopy history, and respiratory symptoms and asthma in Chinese children: The Seven Northeastern Cities (SNEC) Study. *American Journal of Public Health*, DOI: 10.2105/AJPH.2013.301438, 2014. **Corresponding Author.**
57. Liu T, Zhang YH, Xu YJ, Lin HL, Xu XJ, Luo Y, Jian PX, Zeng WL, Zhang WF, Chu C, Keogh K, Rutherford S, **Qian Z,** Du YD, Hu M, Ma WJ. The effects of dust-haze on mortality are modified by seasons and individual characteristics in Guangzhou, China, *Environmental Pollution* 187:116-23. doi: 10.1016/j.envpol.2013.12.027, 2014.
58. Ong KH, Lewis R, Dixit A, MacDonald M, Yang M, **Qian Z**. Inactivation of dust mites, dust mite allergen, and mold from carpet. *Journal of Occupational & Environmental Hygiene* 11: 519-527, 2014.
59. Huang MM, **Qian Z**, Wang J, Vaughnd MG, Lee YL, Dong GH. Validation of the Sleep Disturbance Scale for Children and prevalence of parent-reported sleep disorder symptoms in Chinese children, Sleep Medicine; 15(8):923-928, 2014.
60. Xiao J, Peng J, Zhang Y, Liu T, Rutherford S, Lin H, **Qian Z**, Huang C, Luo Y, Zeng W, Chu C, Ma W. How much does latitude modify temperature–mortality relationship in 13 eastern US cities? Int J Biometeorol, doi: 10.1007/s00484-014-0848-y, 2014.
61. Vaughn MG, Salas-Wright CP, Maynard BR, **Qian Z**, Terzis L, Kusow AM, DeLisi M. Criminal epidemiology and the immigrant paradox: Intergenerational discontinuity in violence and antisocial behavior among immigrants. Journal of Criminal Justice 42:483–490, 2014.
62. Vaughn MG, Salas-Wright CP, DeLisi M, **Qian Z**. The antisocial family tree: A multigenerational examination of behavior problems in the United States. Social Psychiatry and Psychiatric Epidemiology, DOI 10.1007/s00127-014-0987-9, 2014.
63. Ma YN, **Qian Z**, Wang J, Rodemich E, Lee YL, Lv XF, Liu YQ, Zhao Y, Huang MM, Liu Y, Sun J, He QC, Dong GH. Environmental Tobacco Smoke Exposure, Urine CC-16 Levels, and Asthma Outcomes among Chinese Children. Allergy 2015; 70(3):295-301. DOI: 10.1111/all.12559, 2014.
64. Zeng XW, **Qian Z**, Vaughn M, Xian H, Elder K, Rodemich E, Bao J, Jin YH, Dong GH. Human serum levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in Uyghurs from Sinkiang-Uighur Autonomous Region, China: background levels study. Environmental Science and Pollution Research 2015; 22(6):4736-46. DOI: 10.1007/s11356-014-3728-4
65. Vaughn MG, Salas-Wright CP, DeLisi M, and **Qian Z**. The antisocial family tree: family histories of behavior problems in antisocial personality in the United States. Soc Psychiatry Psychiatr Epidemiol 50:821-831. DOI 10.1007/s00127-014-0987-9, 2015.
66. Vaughn MG, Salas-Wright CP, **Qian Z**, Wang J. Evidence of a “Refugee Paradox” for Antisocial Behavior and Violence in the United States. The Journal of Forensic Psychiatry & Psychology 26:624-631. DOI: 10.1080/14789949.2015.1049194, 2015.
67. Zeng XW, **Qian Z**, Emo B, Vaughn M, Bao J, Qin XD, Zhu Y, Li J, Lee YL, Dong GH. Association of polyfluoroalkyl chemical exposure with serum lipids in children. Science of the Total Environment 512-513:364-370, 2015.
68. Li M, **Qian Z**, Vaughn M, Boutwell B, Ward P, Lu T, Lin S, Zhao Y, Zeng XW, Liu RQ, Qin XD, Zhu Y, Chen W, Dong GH. Sex-specific Difference of the Association between Ambient Air Pollution and the Prevalence of Obesity in Chinese Adults from a High Pollution Range Area: 33 Communities Chinese Health Study. Atmospheric Environment 2015; 117:227-233. DOI:10.1016/j.atmosenv.2015.07.029.

69. Liu Y, **Qian Z**, Wang J, Lu T, Zeng XW, Lin S, Liu RQ, Zhu Y, Qin XD, Yuan P, Zhou Y, Li M, Hao YT, Dong GH. Breastfeeding decreases the respiratory health effects of prenatal and postnatal environmental tobacco smoke (ETS) exposure in children: the Seven Northeast Cities (SNEC) Study. Indoor Air 08/2015; DOI:10.1111/ina.12240.
70. Yang S, Zhou A, Xiong C, Yang R, Bassig BA, Hu R, Zhang Y, Yao C, Zhang Y, Qiu L, **Qian Z**, Trevathan E, Flick L, Xu S, Wang Y, Xia W, Zheng T, Zhang B. Parental Body Mass Index, Gestational Weight Gain, and Risk of Macrosomia: a Population-Based Case–Control Study in China. Paediatric and Perinatal Epidemiology. 2015, 29:462–471. Article first published online: 30 JUL 2015. doi: 10.1111/ppe.12213.
71. Zhou A, Xiong C, Hu R, Zhang Y, Bassig BA, Triche E, Yang S, Qiu L, Zhang Y, Yao C, Xu S, Wang Y, Xia W, **Qian Z**, Zheng T, Zhang B. Pre-pregnancy BMI, gestational weight gain, and the risk of hypertensive disorders of pregnancy: a cohort study in Wuhan, China. PLoS ONE 08/2015; 10(8):e0136291. DOI:10.1371/journal.pone.0136291.
72. Zhou Y, **Qian Z**, Vaughn MG, Boutwell BB, Yang M, Zeng XW, Liu RQ, Qin XD, Zhu Y, Dong GH. Epidemiology of elevated blood pressure and associated risk factors in Chinese children: the SNEC study. Journal of Human Hypertension 30, 231-236. doi:10.1038/jhh.2015.104, 2016.
73. Lin H, Liang Z; Liu T; Di Q; **Qian Z**; Zeng WL; Xiao JP; Li X; Ma WJ; Zhao QG. Association between exposure to ambient air pollution before conception date and likelihood of giving birth to girls in Guangzhou, China. Atmospheric Environment 122:622-627, 2015.
74. Lin H, Tao J, Du YD, Liu T, **Qian Z**, Tian LW, Qian D, Rutherford S, Guo LC, Zeng WL, Xiao JP, Li X, He ZH, Xu YJ, Ma WJ. Particle size and chemical constituents of ambient particulate pollution associated with cardiovascular mortality in Guangzhou, China. Environmental Pollution 208:758-766. 11/2015; DOI:10.1016/j.envpol.2015.10.056, 2016.
75. Vaughn MG, Nelson EJ, Salas-Wright CP, **Qian Z**, Schootman M. Racial and Ethnic Trends and Correlates of Non-Medical Use of Prescription Opioids among Adolescents in the United States 2004-2013. Journal of Psychiatric Research, online: 8-DEC-2015, DOI information: 10.1016/j.jpsychires.2015.11.003.
76. Joseph M, Elliott M, Zelicoff A, **Qian Z**, Trevathan E, Chang JJ. Racial Disparity in the Association between Body Mass Index and Self-Reported Asthma in children: A population-based study. Journal of Asthma. DOI: 10.3109/02770903.2015.1116084, 2016.
77. **Qian Z**, Liang SW, Yang SP, Trevathan E, Huang Z, Yang R, Wang J, Hu K, Zhang YM, Vaughn M, Shen L, Liu WJ, Li P, Ward P, Yang L, Zhang W, Chen W, Dong GH, Zheng TZ, Xu SQ, Zhang B. Ambient air pollution and preterm birth: a prospective birth cohort study in Wuhan, China. International Journal of Hygiene and Environmental Health Doi:10.1016/j.ijheh.2015.11.003, available online 19 November 2015.
78. Liu RQ, **Qian Z**, Trevathan E, Chang JJ, Zelicoff A, Hao YT, Lin Shao, Dong GH. Poor sleep quality associated with high risk of hypertension and elevated blood pressure in China: results from a large population-based study. Hypertension Research 09/2015; DOI:10.1038/hr.2015.98.
79. Qin XD, **Qian Z**, Vaughn MG, Trevathan E, Emo B, Paul G, Ren WH, Hao YT, Dong GH. Gender-specific differences of Interaction between Obesity and Air pollution on Stroke and Cardiovascular Diseases in Chinese Adults from a High Pollution Range Area: A large population based cross sectional study. Science of The Total Environment 05/2015; 529:243-248. DOI:10.1016/j.scitotenv.2015.05.041.

80. Xia W, Hu J, Zhang B, Li Y, Wise JP, Bassig BA, Zhou A, Savitz DA, Xiong C, Zhao J, Du X, Zhou Y, Pan X, Yang J, Wu C, Jiang M, Peng Y, **Qian Z**, Zheng TZ, Xu S. A case-control study of maternal exposure to chromium and infant low birth weight in China. Chemosphere 144:1484-1489. DOI:10.1016/j.chemosphere.2015.10.006, 2016.
81. Lin HL, Tao J, Du YD, Liu T, **Qian Z**, Tian LW, Qian Di Q, Zeng WL, Xiao JP, Guo LC, Li, Xu YJ, Ma WJ. Differentiating the effects of characteristics of PM pollution on mortality from ischemic and hemorrhagic strokes. Int J Hyg Environ Health 219(2):204-211, 2016.
82. Zhu Y, Wan Y, Li Y, Zhang B, Zhou A, Cai Z, **Qian Z**, Zhang C, Huo W, Huang K, Hu J, Cheng L, Chang Z, Huang Z, Xu b, Xia W, Xu S. Free and total urinary phthalate metabolite concentrations among pregnant women from the Healthy Baby Cohort (HBC), China. Environmental International 88:67-73, 2016.
83. Zhi K, Deng S, Chen Y, Vaughn M, **Qian Z**. Decreased smoking initiation among male youths in China: An urban-rural comparison. International Journal of Public Health 61:417-425, 2016.
84. Zhang B, Liang S, Zhao J, **Qian Z**, Bassig BA, Yang R, Zhang Y, Hu K, Xu S, Zheng T, Yang S. Maternal exposure to air pollutant $PM_{2.5}$ and PM_{10} during pregnancy and risk of congenital heart defects. J Expo Sci Environ Epidemiol. 26(4):422-427, 2016.
85. Qin XD, **Qian Z**, Vaughn M, Ward P, Zeng XW, Zhou Y, Zhu Y, Yuan P, Li M, Bai Z, Paul G, Hao YT, Chen W, Dong GH. Positive Associations of Serum Perfluoroalkyl Substances with Uric Acid and Hyperuricemia in Children from Taiwan. Environmental Pollution 212:519-524, 2016.
86. Vaughn MG, Nelson EJ, Salas-Wright CP, DeLisi M, **Qian Z**. Handgun Carrying among White Youth Increasing in the United States: New Evidence from the National Survey on Drug Use and Health 2002-2013. Preventive Medicine 88:127-133, 2016.
87. Lin HL, Liu T, Xiao JP, Zeng WL, Li X, Vaughn MG, Nelson EJ, **Qian Z**, and Ma. Quantifying short-term and long-term health benefits of attaining ambient fine particulate pollution standards in Guangzhou, China. Atmospheric Environment 137: 38-44, 2016. **Corresponding Author.**
88. Lin H, Ma WJ, Qiu H, Vaughn MG, Nelson E, **Qian Z**, Tian L. Is standard deviation of daily $PM_{2.5}$ concentration associated with respiratory mortality? Environmental Pollution 216:208-214. DOI 10.1016/j.envpol.2016.05.068, 2016. **Corresponding Author.**
89. Yang R, Liang S, Flick LH, Yang S, Hu K, Wang J, Hu R, Huang Z, Dong G, Zhang Y, Shen L, Peng A, Zheng T, Xu S, Zhang B, **Qian Z**. Relationship Between Common Mental Disorder Symptoms During Pregnancy and Preterm Birth Among Chinese Women in Wuhan. Matern Child Health J. 20:2121-2129. PMID: 27352288. DOI:10.1007/s10995-016-2042-9. June 28, 2016.
90. Zeng XW, Vivian E, Mohammed KA, Jakhar S, Vaughn M, Huang H, Zelicoff A, Bai Z, Xaverius P, Lin S, Hao YT, Paul G, Morawska L, **Qian Z**, Dong G. Long-term ambient air pollution and lung function in Chinese children from a high air pollution area: the Seven Northeastern Cities (SNEC) Study. Atmospheric Environment 138:144-151, 2016.
91. Chen X, Zhang LW, J, Song FJ, Zhang LP, **Qian Z**, Trevathan E, Mao HJ, Han B, Vaughn M, Chen KX, Liu YM, Chen J, Zhao BX, Jiang GH, Gu Q, Bai ZP, Dong GH, Tang NJ. Long-term exposure to urban air pollution and lung cancer mortality: a 12-year cohort study in Northern China. Science of the Total Environment DOI: 10.1016/j.scitotenv.2016.07.064, 2016.
92. Jiang MM, Li YY, Zhang B, Zhou AF, Zheng TZ, **Qian Z**, Du FX, Zhou YQ, Pan XY, Hu J, Wu CS, Peng Y, Liu WY, Zhang CC, Xia W, Xu SQ. A Nested Case-Control Study of

Prenatal Vanadium Exposure and Low Birth Weight. Human Reproduction 31(9):2135-2141, 2016.

93. Fearn N, Vaughn MG, Nelson EJ, Salas-Wright CP, DeLisi M, **Qian Z**. (in press). Trends and Correlates of Substance Use Disorders among Probationers and Parolees in the United States, 2002-2014, Drug and Alcohol Dependence 167:128-139, 2016.
94. Yang J, Huo WQ, Zhang B, Zheng TZ, Li YY, Pan XY, Liu WY, Chang HL, Jiang MM, Zhou AF, **Qian Z**, Wan YJ, Xia W, Xu SQ. Maternal urinary cadmium concentrations in relation to preterm birth in the Healthy Baby Cohort Study in China. Environment International 94:300-306, 2016.
95. Liu T, Zeng W, Lin H, Rutherford S, Xiao J, Li X, Li ZH, **Qian Z**, Feng BX, Ma WJ. Temporal-spatial variations of ambient ozone-mortality associations in the USA: results from the NMMAPS data. Int. J. Environ. Res. Public Health 2016, 13, 851; doi:10.3390/ijerph13090851.
96. Lin HL, Liu T, Xiao JP, Zeng WL, Guo LC, Li X, Xu YJ, Zhang YH, Chang JJ, Vaughn MG, **Qian Z**, and Ma WJ. $PM_{2.5}$ concentration associated with increased cardiovascular mortality in Guangzhou, China. J Expos Sci Environ Epidemiol 27(3):333-338. doi:10.1038/jes.2016.63, 2016. **Corresponding Author.**
97. Zhang B, Yang SP, Yang R, Wang J, Liang SW, Hu RH, Xian H, Hu K, Zhang YM, Weaver NL, Wei HM, Vaughn M, Peng H, Boutwell B, Huang Z, **Qian Z**. Maternal Prepregnancy Body Mass Index and Small for Gestational Age Births in Chinese Women. Paediatric and Perinatal Epidemiology 30(6):550-554. doi: 10.1111/ppe.12315, 2016.
98. Lin HL, Liu T, Xiao JP, Zeng WL, Li X, Guo LC, Zhang YH, Xu YJ, Tao J, Xian H, Syberg KM, **Qian Z**, Ma WJ. Mortality burden of ambient fine particulate air pollution in six Chinese cities: results from the Pearl River Delta Study. Environment International 96:91-97, 2016. **Corresponding Author.**
99. Zhang B, Zhao JZ, Yang Y, **Qian Z**, Liang SW, Bassig B, Zhang YM, Hu K, Xu SQ, Zheng TZ. Ozone and Other Air Pollutants and the Risk of Congenital Heart Defects. Scientific Reports 18; 6:34852. PMCID: PMC5067649, 2016.
100. **Qian Z**, Zhang B, Liang S, Wang J, Yang S, Hu K, et al. Ambient Air Pollution and Adverse Pregnancy Outcomes in Wuhan, China. Research Report 189. Boston, MA: Health Effects Institute, 2016.
101. Zheng T, Zhang J, Sommer K, Bassig BA, Zhang X, Braun J, Xu S, Boyle P, Zhang B, Shi K, Buka S, Liu S, Li Y, **Qian Z**, Dai M, Romano M, Zou A, Kelsey K. Effects of Environmental Exposures on Fetal and Childhood Growth Trajectories. Ann Glob Health 82(1):41-99, 2016.
102. Cheng L, Zhang B, Zheng TZ, Hu J, Zhou AF, Bassig B, Xia W, Savitz D, Buka S, Xiong C, Braun J, Zhang YQ, Zhou YJ, Pan XY, Wu CS, Wang YJ, **Qian Z**, Yang AM, Romano M, Shi KC, Xu SQ, Li YY. Critical windows of prenatal exposure to cadmium and size at birth. International Journal of Environmental Research and Public Health 14(1):58. doi:10.3390/ijerph14010058, 2017.
103. Zhou Y, Hu LW, **Qian Z**, Chang JJ, King C, Paul G, Lin S, Paul G, Lee YL*, Dong GH*. Association of Perfluoroalkyl Substances Exposure with Reproductive Hormone Levels in Adolescents: by Sex Status. Environment International; 94:189-195, 2016.
104. Li X, Xiao JP, Lin HL, Liu T, **Qian Z**, Zeng WL, Guo LC, Ma WJ. The construction and validity analysis of AQHI based on mortality risk: A case study in Guangzhou, China. Environmental Pollution 220:487-494, 2017.
105. Yang SP, Yang R, Liang SW, Wang J, Weaver NL, Hu K, Hu RH, Trevathan E, Huang Z, Zhang YM, Yin T, Chang JJ, Zhao JZ, Shen LJ, Dong GH, Zheng TZ, Xu SQ, **Qian Z**,

Zhang B. Symptoms of anxiety and depression during pregnancy and their association with low birth weight in Chinese Women: a nested case control study. Archives of Women's Mental Health 20:283-290; DOI 10.1007/s00737-016-0697-2, 2017.

106. Hu LW, Yang M, Chen S, Shan K, Hailegiorgis Y, Brugens R, Vaughn M, Xaverius P, Paul G, Morawska L, Lu T, Lin S, Zhong SQ, Kong ML, Xie YQ, Hao YT, Zeng XW, **Qian Z**, Dong GH. Effects of In Utero and Postnatal Exposure to Secondhand Smoke on Lung Function by Gender and Asthma Status: The Seven Northeastern Cities (SNEC) Study. Respiration 93(3):189-197. DOI: 10.1159/000455140, 2017.
107. Lin HL, Liu T, Xiao JP, Zeng WL, Li X, Schootman M, Stamatakis K, **Qian Z**, Ma WJ. Mortality benefits of vigorous air quality improvement during the periods of APEC blue and Parade blue in Beijing. Environmental Pollution 220:222-227. DOI information: 10.1016/j.envpol.2016.09.041, 2017. **Corresponding Author.**
108. Lin H, Guo Y, Zheng Y, Di Q, Liu T, Xiao J, Li X, Zeng W, Cummings-Vaughn LA, Howard SW, Vaughn MG, **Qian Z**, Ma WJ, Wu F. Long-term association between ambient $PM_{2.5}$ and hypertension and estimation of attributable risk among older Chinese adults. Hypertension 69(5):806-812. doi:10.1161/hypertensionah.116.08839, 2017. **Corresponding Author.**
109. Qin XD, **Qian Z**, Dharmage SC, Perret J, Geiger SD, Rigdon SE, Howard SW, Zeng XW, Hu LW, Yang BY, Zhou Y, Li M, Xu SL, Bao WW, Zhang YZ, Yuan P, Wang J, Zhang C, Tian YP, Nian M, Xiao X, Chen W, Lee YL, Dong GH. Association of perfluoroalkyl substances exposure with impaired lung function in children. Environmental Research 155:15-21, 2017.
110. Lin H, Guo Y, Di Q, Zeng Y, Kowal P, Xiao J, Liu T, Li X, Zeng L, Howard SW, Nelson EJ, **Qian Z**, Ma WJ, Wu F. Ambient $PM_{2.5}$ and stroke: effect modifiers and population attributable risk in six low- and middle-income countries. Stroke 48(5):1191-1197. doi: 10.1161/STROKEAHA.116.015739, 2017. **Corresponding Author.**
111. Zhou Y, Hu LW, **Qian Z**, Geiger SD, Parrish KL, Dharmage S, Campbell B, Roponen M, Jajava P, Hirvonen MR, Heinrich J, Zeng XW, Yang BY, Qin XD, Lee YL, Dong GH. Interaction effects of polyfluoroalkyl substances and sex steroid hormones on Asthma among children. Scientific Reports 7:899. DOI:10.1038/s41598-017-01140-5, 2017.
112. Zhao J, Yang S, Peng A, **Qian Z**, Xian H, Chen T, Dong G, Zhang Y, Hu X, Chen Z, Cao J, Song X, Xu S, Zheng T, Zhang B. The Wuhan Twin Birth Cohort (WTBC). Twin Research and Human Genetics 20(4):355-362, 2017.
113. Lin H, Guo Y, Zheng Y, Rigdon SE, Xian H, Weaver NL, **Qian Z**, Ma WJ, Wu F. Chronic exposure to ambient $PM_{2.5}$ associated with overall and domain-specific disability among adults in six low- and middle-income countries. Environmental International 104:69-75, 2017. **Corresponding Author.**
114. Lin H, Ratnapradipa K, Wang XJ, Zhang YH, Xu Y, Yao Z, Dong GH, Liu T, Clark J, Dick R, Xiao J, Zeng WL, Li X, **Qian Z**, Ma WJ. Hourly peak concentration measuring the PM2.5-mortality association: results from six cities in the Pearl River Delta Study. Atmospheric Environment 161:27-33. doi.org/10.1016/j.atmosenv.2017.04.015, 2017. **Corresponding Author.**
115. Vaughn MG, Salas-Wright CP, **Qian Z**, Terzis LD, Helton JJ. Adverse childhood experiences among immigrants to the United States. Journal of Interpersonal Violence 32:1543-1564, 2017. DOI:10.1177/0886260515589568.
116. Li M, Zeng XW, **Qian Z**, Vaughn MG, Sauv S, Paul SG, Lin S, Lu L, Hu LW, Yang BY, Zhou Y, Qin XD, Xu SL, Bao WW, Zhang YZ, Yuan P, Wang J, Zhang C, Tian YP, Nian M, Xiao X, Fu C, Dong GH. Isomers of perfluorooctanesulfonate (PFOS) in cord serum

and birth outcomes in China: Guangzhou Birth Cohort Study. Environmental International 102:1-8, 2017.

117. Cai M, Liu E, Tao HB, **Qian Z**, Lin XJ, Cheng ZH. Does the level of hospital matter? A study of mortality of acute myocardial infarction patients in different levels of hospitals in Shanxi, China. American Journal of Medical Quality: DOI: 10.1177/1062860617708608, 2017.
118. Lin H, Guo Y, Kowal P, Airhihenbuwa CO, Schootman M, Di Q, Zheng Y, Vaughn MG, Howard SW, Salinas-Rodriguez A, Yawson AE, Arokiasamy P, Manrique-Espinza BS, Biritwum RB, Rule SP, Minicuci N, Naidoo N, Chatterji S, **Qian Z**, Ma WJ, Wu F. Exposure to air pollution and tobacco smoking and their combined effects on depression in six low- and middle-income countries. The British Journal of Psychiatry 211 (3) 157-162; **DOI:**10.1192/bjp.bp.117.202325, 2017. **Corresponding Author.**
119. Zhi KY; Wang L; Han YD; Vaughn MG; **Qian Z**; Chen YJ; Xie LL; Huang J. Trends in Cigarette Smoking Among Older Male Adults in China: An Urban-Rural Comparison. Journal of Applied Gerontology 38(6):884-901, 2017.
120. Hu LW, **Qian Z**, Dharmage SC, Liu E, Vaughn MG, Perret J, Lodge CC, Yang MG, Paul G, Zeng XW, Yang BY, Xu SL, Zhou Y, Qin XD, Yuan P, Li M, Bao WW, Zhang YZ, Zhang C, Tian YP, Nian M, Wang J, Xiao X, Dong GH. Pre-natal and post-natal exposure to pet ownership and lung function in children: The Seven Northeastern Cities Study. Indoor Air 27(6):1177-1189, 2017.
121. Song XL, Lin HL, Xu XJ, Liu T, Xiao JP, Zeng WL, Li X, **Qian Z**, Xu YJ, Ma WJ. The association of domestic incense burning with hypertension and blood pressure in Guangdong, China. Int. J. Environ. Res. Public Health 14(7), 788; doi:10.3390/ijerph14070788, 2017.
122. Bao WW, **Qian Z**, Gage S, Liu E, Zeng XW, Yang BY, Dong GH. Gender-specific associations between serum isomers of polyfluoroalkyl substances and blood pressure among Chinese: Isomers of C8 Health Project in China. Science of the Total Environment 607-608:1304-1312, 2017.
123. Lin HL, Ma WJ, Qiu H, Wang XJ, Trevathan E, Yao ZJ, Vaughn MG, **Qian Z**, Tian LW. Using daily excessive concentration hours to explore the short-term mortality effects of ambient $PM_{2.5}$ in Hong Kong. Environmental Pollution 229; 896-901, 2017. **Corresponding Author.**
124. Hu J; Xia W, Pan XY; Zheng TZ; Zhang B; Zhou AF; Buka SL, Bassig B; Liu WY; Wu CS; Peng Y; Li J; Zhang CC; Liu HX; Yang J; Jiang MM; Wang YJ; Zhang JD; Pan A; Huang Z; Zheng D; **Qian Z**; Li YY; Xu SQ. Association of adverse birth outcomes with prenatal exposure to vanadium: a population-based cohort study. Lancet Planetary Health 1(6): e230-e241, 2017.
125. Zhang B, Yang R, Liang SW, Wang J, Chang JJ, Hu K, Dong GH, Hu RH, Flick LH, Zhang YM, Zhang D, Li QJ, Zheng TZ, Xu SQ, Yang SP, **Qian Z**. Association between prenatal care utilization and the risk of preterm birth among Chinese women. J Huazhong Univ Sci Technol 37(3):605-611. DOI 10.1007/s11596-017-1779-8, 2017.
126. Wu C, Huo W, Li Y, Zhang B, Wan Y, Zheng T, Zhou A, Chen Z, **Qian Z**, Zhu Y, Jiang Y, Liu H, Hu J, Chen X, Xu B, Xia W, Xu S. Maternal urinary paraben levels and offspring size at birth from a Chinese birth cohort. Chemosphere. 2017, 172:29-36.
127. Zhou Y, Bao WW, **Qian Z**, Geiger SD, Parrish KL, Yang BY, Lee YL, Dong GH. Perfluoroalkyl substance exposure and urine CC16 levels among asthmatics: A case–control study of children. Environmental Research 159:158-163, 2017.

128. Hu RH, Chen CY, Zhang YM, **Qian Z**, Liu Y, Vaughn MG, Xu S, Zheng TZ, Liu MZ, Zhang B. Association between vomiting in first trimester and preterm: a prospective birth cohort study in Wuhan, China. BMJ Open 7(9), 2017. http://dx.doi.org/10.1136/bmjopen-2017-017309.
129. Boutwell BB, Nelson EJ, **Qian Z**, Vaughn MG, Wright JP, Beaver KM, JC Barnes, Petkovsek M, Lewis R, Schootman M, Rosenfeld R. Aggregate-Level Lead Exposure, Gun Violence, Homicide, and Rape. PLoS ONE 12(11): e0187953. https://doi.org/10.1371/journal.pone.0187953, 2017.
130. Huang S, Xia W, Li YY, Zhang B, Zhou A, Zheng TZ, **Qian Z**, Huang Z, Lu S, Chen Z, Wang Y, Pan XY, Huo WQ, Jin SN, Jiang YQ, Xu SQ. Association between maternal urinary chromium and premature rupture of membranes in the Healthy Baby Cohort study in China. Environmental Pollution 230:53-60, 2017.
131. Yang BY, **Qian Z**, Vaughn MG, Nelson EJ, Dharmage SC, Heinrich J, Lin S, Lawrence WR, Ma HM, Chen DH, Hu LW, Zeng XW, Xu SL, Zhang C, Dong GH. Is prehypertension more strongly associated with long-term ambient air pollution exposure than hypertension? Findings from the 33 communities Chinese Health Study. Environmental Pollution 229:696-704, 2017.
132. Fang Y, Elder K, Hao S, **Qian Z**, Zhou Z. Health inequality and its decomposition among the older adults in Xiamen, China. Innov Aging (Suppl 1):411, 2017.
133. Zeng XW, **Qian Z**, Vaughn MGc, Nelson EJ, Dharmage SCe, Bowatte G, Jennifer Perret J, Chen DH, Ma HM, Lin S, Foy B, Hu LW, BY, Xu SL, Zhang Ca, Tian TP, Nian M, Wang Ja, Xiao X, Bao WE, Zhang YZ, Dong GH. Positive association between short-term ambient air pollution exposure and children blood pressure in China-Result from the Seven Northeast Cities (SNEC) study. Environmental Pollution 224:698-705, 2017.
134. Zhang YZ, Zeng XW, **Qian Z**, Vaughn MG, Geiger SD, Hu LW, Lu L, Fu CX, Dong GH. Perfluoroalkyl substances with isomer analysis in umbilical cord serum in China. Environmental Science and Pollution Research; 24(15):13626-13637, 2017.
135. Yang BY, **Qian Z**, Howard SW, Vaughn MG, Fan SJ, Liu KK, Dong GH. Global association between ambient air pollution and blood pressure: A systematic review and meta-analysis. Accepted in October 2017. Environmental Pollution 235:576-588, 2018.
136. Liu RQ, **Qian Z**, Wang SQ, Vaughn MG, Geiger SD, Xian H, Lin S, Paul G, Zeng XW, Yang BY, Hu LW, Xu SL, Yang M*, Dong GH*. Sex-specific Difference in the Association between Poor Sleep Quality and Abdominal Obesity in Rural Chinese: A Large Population-Based Study. Journal of Clinical Sleep Medicine; 13(4):565-574, 2017.
137. Yuan P, **Qian Z**, Vaughn M, Huang J, Ward P, Zhu Y, Qin XD, Zhou Y, Li M, Xu S, Zhang YZ, Bao WW, Hao YT, Zeng XW, Dong GH. Comparison of body mass index with abdominal obesity for identifying elevated blood pressure in children and adolescents: The SNEC study. Obesity Research & Clinical Practice 2017; 11(4):406-413, 2017.
138. Xu SL, Trevathan E, **Qian Z**, Vivian E, Yang BY, Hu LW, Zeng XW, Li M, Zhou Y, Qin XD, Bao WW, Yuan P, Zhang YZ, Wang J, Zhang C, Tian YP, Nian M, Xiao X, Dong GH*. Prenatal and postnatal exposure to pet ownership, blood pressure, and hypertension in children: the Seven Northeastern Cities study. Journal of Hypertension; 35(2):259-265, 2017.
139. Lin H, Wang X, **Qian Z**, Guo S, Yao Z, Vaughn MG, Dong GH, Liu T, Xiao J, Li X, Zeng W, Xu Y, and Ma WJ. Daily exceedance concentration hours: A novel indicator to measure acute cardiovascular effects of $PM_{2.5}$ in six Chinese subtropical cities. Environmental International 111:117-123, 2018.

140. Guo Y, Lin H, Shi Y, Zheng Y, Li X, Xiao J, Liu T, Zeng W, Vaughn MG, Cummings-Vaughn LA, Nelson EJ, **Qian Z**, Ma W, Wu F. Long-term exposure to ambient $PM_{2.5}$ associated with fall-related injury in six low- and middle-income countries. Environmental Pollution 237:961-967, 2018**. Corresponding Author.**
141. Emo B, Zeng XW, Liu Y, Mohammed KA, Geneus C, Yang MG, Paul G, Vaughn MG, Morawska L, **Qian Z**, Dong G. Housing Characteristics, Home Environmental Factors, and Pulmonary Function Deficit in Chinese Children: Results from the Seven Northeast Cities (SNEC) Study. FACETS 3: 242–259. doi:10.1139/facets-2017-0036, published on March 2018. **Corresponding Author**.
142. Zeng W, Lang L, Li Y, Guo L, Lin H, Zhang Y, Liu T, Xiao J, Li X, Xu Y, Xu X, Arnold L, Nelson EJ, **Qian Z**, Ma WJ. Estimating the Excess Mortality during Two Alert Periods in Beijing, China. Int. J. Environ. Res. Public Health, 15(1): 50; doi:10.3390/ijerph15010050, 2018.
143. Huo WQ, Xia W, Wu CS, Zhu YS, Zhang B, Wan YJ, Zhou AF, **Qian Z**, Chen Zhong, Jiang YQ, Liu HX, Xu B, Xu SQ, Li YY. Urinary level of triclosan in a population of Chinese pregnant women and its association with birth outcomes. Environmental Pollution 233:872-879, 2018.
144. Zhou Z, Mao FZ, Ma JP, Hao SC, **Qian Z**, Elder K, Turner JS, Fang Y. A longitudinal analysis of the association between living arrangements and health among older adults in China. Research on Aging 40(1):72-97, 2018.
145. Lin H, Guo YF, Di Q, Zheng Y, Xian H, Li X, Liu T, Xiao JP, Zeng WL, Howard SW, Vaughn MG, **Qian Z**, Ma WJ, Wu F. Consumption of fruit and vegetables might mitigate the adverse effects of ambient $PM_{2.5}$ on lung function among adults. Environmental Research 160:77-82, 2018. **Corresponding Author.**
146. Lin H, **Qian Z**, Guo YF, Zheng Y, Ai SQ, Hang J, Wang XJ, Zhang LL, Liu T, Guan WJ, Li X, Xiao JP, Zeng WL, Xian H, Howard SW, Ma WJ, Wu F. The attributable risk of chronic obstructive pulmonary disease due to ambient fine particulate pollution among older adults. Environmental International 113:143-148, 2018.
147. Yang BY, **Qian Z**, Li SS, Chen GB, Bloom MS, Elliott M, Syberg KW, Heinrich J, Makevych L, Wang SQ, Chen D, Ma HM, Chen DH, Liu YM, Komppula M, Leskinen A, Liu KK, Zeng XW, Hu LW, Guo YI, Dong GH. Ambient air pollution in relation to diabetes glucose-homeostasis markers in China: a cross-sectional study with findings from the 33 Communities Chinese Health Study. Lancet Planet Health 2(2):e64-73, 2018.
148. Wang XJ, Zhang LL, Yao ZJ, Ai SQ, **Qian Z**, Wang H, BeLue R, Liu T, Xiao JP, Li X, Zeng WL, Ma WJ, Lin HL. Ambient coarse particulate pollution and mortality in three Chinese cities: association and attributable mortality burden. Science of the Total Environment 628-629:1037-1042, 2018.
149. Cai M, Liu E, Tao HB, **Qian Z**, Fu Q, Lin QJ, Wang ML, Xu C. Does A Medical Consortium Influence Health Outcomes of Hospitalized Cancer Patients: An Integrated Care Model in Shanxi, China. International Journal of Integrated Care; 18(2): X, 1–10. DOI: https://doi.org/10.5334/ijic.3588, 2018.
150. Yang BY, **Qian Z**, Li SS, Fan SJ, Chen GB, Syberg KM, Xian H, Wang SQ, Ma HM, Chen DH, Yang M, Liu KK, Zeng XW, Hu LW, Guo YM, Dong GH. Long-term Exposure to Ambient Air Pollution (including PM1) and Metabolic Syndrome: the 33 Communities Chinese Health Study (33CCHS). Environmental Research 164:204-211, 2018.
151. Zhao JZ, Zhang B, Yang SP, Mei H, **Qian Z**, Liang SW, Zhang YM, Hu K, Tan YF, Xian H, Belue R, Jordan SS, Xu SQ, Zheng TZ, Du YK. Maternal Exposure to Ambient Air

Pollutant and Risk of Oral Clefts in Wuhan, China. Environmental Pollution 238:624-630, 2018.

152. Hu LW, **Qian Z**, Bloom MS, Nelson EJ, Liu E, Han B, Zhang N, Liu Y, Ma H, Chen DH, Yang BY, Zeng XW, Chen W, Komppula M, Leskinen A, Hrivonen MR, Roponen M, Jalava P, Bai Z*, Dong GH*. A panel study of airborne particulate matter concentration and impaired cardiopulmonary function in young adults by two different exposure measurements. Atmospheric Environment 180:103-109, 2018.
153. Yang S, Tan Y, Mei H, Wang F, Li N, Zhao J, Zhang Y, **Qian Z**, Chang JJ, Syberg KM, Peng A, Mei H, Zhang D, Zhang Y, Xu, S, Li Y, Zheng T, Zhang B. Ambient air pollution the risk of stillbirth:A prospective birth cohort study in Wuhan, China. International Journal of Hygiene and Environment Health 221(3):502-509, 2018.
154. Salinas Rodriguez A, Fernandex-Nino JA, Manrique-Espinoza B, Moreno-Banda GL, Sosa-Ortiz AL, **Qian Z**, Lin HL. Exposure to Ambient $PM_{2.5}$ Concentrations and Cognitive Function among Older Mexican Adults. Environmental International 117:1-9, 2018. doi: 10.1016/j.envint.2018.04.033, 2018
155. Wang XJ, **Qian Z**, Wang X, Hong H, Yang Y, Xu YJ, Xu XJ, Yao ZJ, Zhang LG, Rolling CA, Schootman M, Liu T, Xiao JP, Li X, Zeng WL, Ma WJ, Lin HL. Estimating the Acute Effects of Fine and Coarse Particle Pollution on Stroke Mortality in Six Chinese Subtropical Cities. Environmental Pollution 239: 812-817, 2018.
156. Yang BY, Bloom MS, Markevych I, **Qian Z**, Vaughn MG, Cummings-Vaughn LA, Li SS, Chen GB, Bowatte GY, Perret JL, Dharmage SC, Heinrich J, Yim SHL, Lin S, Tian LW, Yang M, Liu KK, Zeng XW, Hu LW, Guo YI, Dong GH. Exposure to ambient air pollution and blood lipids in adults: The 33 Communities Chinese Health Study. Environment International 119: 485–492, 2018.
157. Chen YW, Liu Y, Zhang YI, Hu RH, **Qian Z**, Xian H, Vaughn MG, Liu MZ, Cao SY, Gan Y, Zhang B. Gestational Weight Gain per PrePregnancy Body Mass Index and Birth Weight in Twin Pregnancies: A Cohort Study in Wuhan, China. Scientific Reports 8:12496 | DOI:10.1038/s41598-018-29774-z, 2018.
158. Tikellis G, Dwyer T, Paltiel O, Phillips GS, Lemeshow S, Golding J, Northstone K, Boyd A, Olsen S, Ghantous A, Herceg Z, Ward MH, Håberg SE, Magnus P, Olsen J, Ström M, Mahabir S, Jones RR, Ponsonby AL, Clavel J, Charles MA, Trevathan E, **Qian Z**, Maule MM, Qiu X, Hong YC, Brandelise S, Roman E, Wake M, He JR, Linet MS on behalf of the International Childhood Cancer Cohort Consortium. The International Childhood Cancer Cohort consortium (I4C): A Research Platform of Prospective Cohorts for Studying the Etiology of Childhood Cancers. Paediatric and Perinatal Epidemiology 32(6):568-583, 2018.
159. Hu J, Peng Y, Zheng TZ, Zhang B, Liu WY, Wu CS, Jiang MM, Braun JM, Liu SM, Buka SL, Zhou AF, Wise JP, Sr, Zhang YM; Jiang YQ, Hu C, Chen XM, Huang Z, Zheng D, Shi KC, Zhang XC; Truong A; **Qian Z**, Xia W, Li YY, Xu SQ. Effects of trimester-specific exposure to vanadium on ultrasound measures of fetal growth and birth size: a longitudinal prospective prenatal cohort study. The Lancet Planetary Health Oct;2(10):e427-e437. doi: 10.1016/S2542-5196(18)30210-9, 2018
160. Tan YF, Zhang D, Mei H, **Qian Z**, Stamatakis KA, Jordan SS, Yang Y, Yang SP, Zhang B. Perinatal risk factors for obstructive sleep apnea syndrome in children. Sleep Medicine 52:145-149, 2018.
161. Yang Y, Guo YF, **Qian Z**, Ruan ZL, Zheng Z, Woodward A, Ai SQ, Howard SW, Vaughn MG, Ma WJ, Wu F, Lin HL. Ambient fine particulate pollution associated with

diabetes mellitus among the elderly aged 50 years and older in China. Environmental Pollution 243:815-823, 2018.
162. Hu J, Wu CS, Zheng TZ, Zhang B, Xia W, Peng Y, Liu WY, Jiang MM, Liu SM, Buka SL, Zhou AF, Zhang YM, Jiang YQ, Hu C, Chen XM, Zeng Q, Chen X, Xu B, Zhang XC, Truong A, Shi KC, **Qian Z**, Li YY, Xu SQ. Critical Windows for Associations between Manganese Exposure during Pregnancy and Size at Birth: A Longitudinal Cohort Study in Wuhan, China. Environmental Health Perspectives 126:12. CID: 127006, 2018.
163. Yang BY, **Qian Z**, Vaughn MG, Howard SW, Pemberton JP, Ma HM, Chen DH, Hu LW, Zeng XW, Zhang C, Tian YP, Nian M, Xiao X, Dong GH. Overweight modifies the association between long-term ambient air pollution and prehypertension in Chinese adults: the 33 Communities Chinese Health Study. Environmental Health 17:57 https://doi.org/10.1186/s12940-018-0401-2, 2018.
164. Yang BY, Guo YM, Bloom MS, Xiao X, **Qian Z**, Liu E, Howard SW, Zhao TY, Wang SQ, Li SS, Chen DH, Ma HM, Yim SHL, Liu KK, Zeng XW, Hu LW, Liu RQ, Feng D, Yang M, Xu SL, Dong GH. Ambient PM_1 air pollution, blood pressure, and hypertension: Insights from the 33 Communities Chinese Health Study. Environmental Research. 170. 10.1016/j.envres.2018.12.047.
165. Lin HL, Tao J, Chen X, **Qian Z**, Chen A, Du Y, Liu T, Zhang Y, Qi Y, Ye J, Li S, Li W, Xiao J, Zeng W, Li X, Stamatakis KA, Kan H, Ma W, Ambient particulate matter air pollution associated with acute respiratory distress syndrome in Guangzhou, China. Journal of Exposure Science and Environmental Epidemiology 28:392-399, 2018.
166. Ruan ZL, **Qian Z**, Xu YJ, Wu J, Kan HD, Yang Y, Acharya BK, Jiang CS, Syberg K, Iwelunmor J, Ma WJ, Lin HL. Applying the concept of "Number Needed to Treat" to the formulation of daily ambient air quality standards. Chemosphere 222:665-670, 2019.
167. Yang BY, Markevych I, Heinrich J, Bowatte G, Bloom M, Guo YM, Dharmage S, Jalaludin B, Knibbs L, Morawska L, **Qian Z**, Chen DH, Ma HM, Chen D, Lin S, Yang M, Liu KK, Zeng XW, Hu LW, Dong GH. Associations of greenness with diabetes mellitus and glucose-homeostasis markers: The 33 Communities Chinese Health Study. International Journal of Hygiene and Environmental Health 222:283-290, 2019.
168. Ai S, **Qian Z**, Guo Y, Yang Y, Rolling CA, Liu E, Wu F, Lin HL. Long-term exposure to ambient fine particles associated with asthma: A cross-sectional study among older adults in six low- and middle-income countries. Environmental Research 168:141-145, 2019.
169. Hu LW, Gurram N, Bloom M, **Qian Z**, Howard SW, Iwelunmor J, Zeeshan M, Lin S, Yang BY, Zeng XW, Liu KK, Hu QS, Dong GH. Impact on lung function among children exposed to home new surface materials: the Seven Northeastern Cities Study in China. Indoor Air 29(3):477-485, 2019.
170. Kavish N. Fu Q, Vaughn M, **Qian Z**, Bouwell B. Resting heart rate and psychopathy: findings from the Add Health Survey. International Journal of Offender Therapy and Comparative Criminology 63:543-557, 2019.
171. Lew D, Xian H, **Qian Z**, Vaughn MG. Examining the relationship between life satisfaction and alcohol, tobacco, and marijuana use among school-aged children. Journal of Public Health 41:346-353, 2019.
172. Vaughn MG, Salas-Wright CP, John R, Holzer KJ, **Qian Z**, and Veeh C. Traumatic Brain Injury and Psychiatric Comorbidity in the United States. Psychiatric Quarterly 90:151-158, 2019.
173. Liang ZJ, Yang Y, **Qian Z**, Ruan ZJ, Chang JJ, Vaughn MG, Zhao QG, Lin HL. Ambient PM2.5 and birth outcomes: estimating the association and attributable risk using

a birth cohort study in nine Chinese cities. Environmental International 126:329-335, 2019.

174. Nian M, Li QQ, Bloom M, **Qian Z**, Syberg KM, Vaughn MG, Wang SQ, Wei Q, Zeeshan M, Gurram N, Chu C, Wang J, Tian YP, Hu LW, Liu KK, Yang BY, Liu RQ, Feng D, Zeng XW, Dong GH. Liver function biomarkers disorder is associated with exposure to perfluoroalkyl acids in adults: Isomers of C8 Health Project in China. Environmental Research 172:81-88, 2019.
175. Yang BY, Guo YM, Markevych I, **Qian Z**, Bloom MS, Heinrich J, Dharmage SC, Rolling CA Jordan SS, Komppula M, Leskinen A, Bowatte G, Li SS, Chen GB, Liu KK, PhD; Zeng XW, Hu LW, Dong GH. Association of Long-term Exposure to Ambient Air Pollutants With Risk Factors for Cardiovascular Disease in China. JAMA Network Open. 2019;2(3):e190318. doi:10.1001/jamanetworkopen.2019.0318, 2019.
176. Yang BY, Markevych I, Heinrich J, Bloom MS, **Qian Z**, Geiger SD, Vaughn M, Liu S, Guo YM, Dharmage SC, Jalaludin B, Knibbs LD, Chen D, Jalava P, Lin S, Yim SHL, Liu KK, Zeng XW, Hu LW, Dong GH. Residential greenness and blood lipids in urban-dwelling adults: the 33 Communities Chinese Health Study. Environmental Pollution 250:14-22, 2019.
177. Wang J, Zeng XW, Bloom MS, **Qian Z**, Hinyard LJ, Belue R, Lin S, Wang SQ, Tian YP, Yang M, Chu C, Gurram N, Hu LW, Liu KK, Yang BY, Feng D, Liu RQ, Dong GH. Renal function and isomers of perfluorooctanoate (PFOA) and perfluorooctanesulfonate (PFOS): Isomers of C8 Health Project in China. Chemosphere 218:1042-1049, 2019.
178. Tongzhang Zheng TZ, Zhu CR, Bassig BA, Liu SM, Buka S, Zhang XC, Truong A, Oh JH,5, Fulton J, Dai M, Li N, Shi KC, **Qian Z**, Boyle P. The Long-term Rapid Increase in Incidence of Adenocarcinoma of the Kidney in the United States, especially among Younger Ages. Int J Epidemiol 48(6):1886-1896, 2019.
179. Tang YX, Bloom MS, **Qian Z**, Liu E, Jansson DR, Vaughn MG, Lin HL, Xiao LX, Duan CW, Yang L, Xu XY, Li YR, Zhu L, Dong GH, Liu YM. Association between ambient air pollution and hyperuricemia in traffic police officers in China: a cohort study. International Journal of Environmental Health Research, doi.org/10.1080/09603123.2019.1628926. Published online in June, 2019.
180. Zhang LL, Yang Y, Li YH, **Qian Z**, Xiao WL, Wang J, Rolling CA, Liu E, Xiao JP, Zeng WL, Liu T, Li X, Yao ZJ, Wang H, Ma WJ, Lin HL. Short-term and long-term effects of $PM_{2.5}$ on acute nasohparyngitis in 10 communities of Guangdong, China. Science of The Total Environment 688:136-142, 2019. Doi.org/10.1016/j.scitotenv.2019.05.470, 2019.
181. Zhang C, Guo YM, Xiao X, Bloom MS, **Qian Z**, Rolling CA, Xian X, Lin S, Li SS, Chen GB, Jalava P, Roponen M, Hirvonen MR, Komppula M, Leskinen A, Yim SHL, Chen DH, Ma HM, Zeng XW, Hu LW, Liu KK, Yang BY, Dong GH. Association of Breastfeeding and Air Pollution Exposure with Lung Function in Chinese Children. JAMA Network Open. 2019;2(5):e194186. doi:10.1001/jamanetworkopen.2019.4186, 2019.
182. Lin HL, Guo YF, Ruan ZL, Yang Y, Chen YB, Zheng Y, Cummings-Vaughn LA, Ridgon S, Vaughn MG, Sun SZ, Zhang LL, Wang XJ, **Qian Z**, Wu F. Ambient $PM_{2.5}$ and O_3 and their combined effects on prevalence of presbyopia among the elderly: A cross-sectional study in six low- and middle-income countries. Science of The Total Environment 655:168-173, 2019. **Corresponding Author.**
183. Zhang L, Yang Y, Li Y, Qian Z, Xiao W, Wang X, Rolling C A, Liu E, Xiao J, Zeng W, Liu T, Li X, Yao Z, Wang H, Ma W, Lin HL. Short-term and long-term effects of $PM_{2.5}$ on acute nasopharyngitis in 10 communities of Guangdong, China. Science of the Total Environment 688:136-142, 2019.

184. Ruan Z, **Qian Z**, Guo YF, Zhou J, Yang Y, Acharya BK, Guo S, Zheng Y, Cummings-Vaughn LAC, Rigdon SE, Vaughn MG, Chen XY, Wu F, Lin HL. Ambient fine particulate matter and ozone higher than certain thresholds associated with myopia in the elderly aged 50 years and above. Environmental Research 177, 108581, 2019.
185. Ai SQ, Wang CK, **Qian Z**, Cui YJ, Liu YY, Achary BK, Sun XY, Hinyard L, Jansson DR, Qin LJ, Lin HL. Hourly Associations between Ambient Air Pollution and Emergency Ambulance Calls in One Central Chinese City: Implication for Hourly Standard. Science of The Total Environment 696:133956, 2019.
186. Yang R, Lou D, Zhang YM, Hu K, **Qian Z**, Hu LQ, Shen LJ, Xian H, Iwelunmor J, Mei SR. Adverse effects of exposure to fine particulate matter and ozone on gestational hypertension. Current Medical Science 39(6):1019-1028, 2019.
187. Liu RQ, Bloom MS, Wu QZ, He ZZ, **Qian Z**, Stamatakis K, Liu E, Vaughn KM, Lawrence WR, Yang M, Lu T, Hu QS, Dong GH. Association between depressive symptoms and poor sleep quality among Han and Manchu ethnicities in a large, rural, Chinese population. PLOS ONE 14, e0226562, 2019.
188. Zheng T, Zhu C, Bassig BA, Liu S, Buka S, Zhang X, Truong A, Oh J, Fulton J, Dai M, Li N, Shi K, **Qian Z**, Boyle P. The long-term rapid increase in incidence of adenocarcinoma of the kidney in the USA, especially among younger ages. International Journal of Epidemiology 48:1886-1896, 2019.
189. Yang Y, Lin QM, Liang Y, Ruan ZL, Acharya BK, Zhang SY, **Qian Z**, Mcmillin SE, Hinyard L, Sun J, Wang CK, Ge HB, Wu XL, Guo XL, Lin HL. Maternal air pollution exposure associated with risk of congenital heart defect in pre-pregnancy overweighted women. Science of the Total Environment 712:136470, 2020.
190. Lin H, Howard SW, Vaughn GM, Ma WJ, **Qian Z**. Association of Indoor and Outdoor Air Pollution with Hand-Grip Strength Among Adults in Six Low- and Middle-Income Countries. Journal of Gerontology 75:340-347, 2020. **Corresponding Author.**
191. Liu KK, Li SS, **Qian Z**, Dharmage SC, Bloom MS, Heinrich J, Jalaludin B, Markevych I, Morawska L, Luke D, Knibbs LD, Ph. Hinyard L, Xian H, Liu S, Lin S, Leskinen A, Komppula M, Jalava P, Roponen M, Hu LW, Zeng XW, Hu WB, Yang BY, Guo YM, Dong GH. Benefits of influenza vaccination on the associations between ambient air pollution and allergic respiratory diseases in children AND ADOLESCENTS: New insights from the Seven Northeastern Cities Study in China. Environment Pollution 256. 2020.
192. Lew D, Xian H, Loux T, **Qian Z**, Vaughn M. Short Sleep Duration and Latent Classes of Risk Profiles Among Adolescents. Health behav & Policy Rev 7(1):27-37, 2020.
193. Qi JL, Ruan ZL, **Qian Z**, Yin P, Yang Y, Acharya BK, Wang LJ, Lin HL. Potential gains in life expectancy by attaining daily ambient fine particulate matter pollution standards in mainland China: a modelling study based on nationwide data. PLOS Medicine 17, e1003027, 2020.
194. Cui Y, Ai SQ, Liu Y, **Qian Z**, Wang C, Sun J, Sun X, Zhang S, Syberg KM, Howard S, Qin L, Lin H. Hourly Associations between Ambient Temperature and Emergency Ambulance Calls in One Central Chinese City: Call for an Immediate Emergency Plan. Science of the Total Environment 711: 135046, 2020.
195. Xu S, Liu AP, Wu QZ, Marks T, He ZZ, **Qian Z**, McMillin SE, Sun J, Appleton AA, Bloom MS, Lin S, Yu HY, Zhou Y, Liu RQ, Feng D, Hu LW, Yang BY, Zeng XW, Sun X, Dong GH. Pet ownership in utero and in childhood decreases the effects of environmental tobacco smoke exposure on hypertension in children: A large population-based cohort study. Science of the Total Environment 715:136859, 2020.

196. Cai M, Liu E, Lin XJ, Zhang RH, Rigdon SE, **Qian Z**, Belue B, Chang JJ. Comparing the performance of Charlson and Elixhauser comorbidity indices to predict in-hospital mortality among a Chinese population. Clinical Epidemiology 12:307-316, 2020.
197. Ruan ZL, **Qian Z**, Xu YJ, Yang Y, Zhang SY, Hang J, Howard S, Acharya BK, Jansson DR, Li H, Sun XG, Xu XJ, Lin HL. How Longer can People Live by Achieving the Daily Ambient Fine Particulate Pollution Standards in the Pearl River Delta region, China? Chemosphere 254:126853, 2020.
198. Luo Y, Trevathan E, **Qian Z**, Li YR, Li J, Xiao W, Tu N, Zeng ZK, Mo PZ, Xiong Y, and Ye GM. Asymptomatic SARS-CoV-2 Infection in Household Contacts of a Healthcare Provider, Wuhan, China. Emerg Infect Dis.2020. DOI: 10.3201/eid2608.201016
199. Ye GM, Lin HL, Chen LG, Wang SC, Zeng ZK, Wang W, Zhang SY, Rebmann T, Li YR, Pan ZY, Yang ZH, Wang Y, Wang FB, **Qian Z**, Wang XH. Environmental Contamination of SARS-CoV-2 in Healthcare Premises. Journal of Infection 81(2):e1-e5, 2020. **Co-Corresponding Author**.
200. Liao YX, Sun J, **Qian Z**, Mei SJ, Li Y, Lu Y, McMillin SE, Lang LL, Lin HL. Modification by Seasonal Influenza and Season on the Association between Ambient Air Pollution and Child Respiratory Diseases in Shenzhen, China. Atmospheric Environment 234:117621, 2020.
201. Wu R, Ai SQ, Cai J, Zhang SY, **Qian Z**, Zhang YQ, Wu YL, emergency ambulance calls, Tian F, Li H, Li MY, Lin HL. Predictive Model and Risk Factors for Case Fatality of COVID-19: a Cohort of 21,392 Cases in Hubei, China. Innovation 1(2):100022, 2020.
202. Su YW, Liu WW, Dong GH, **Qian Z**, Gurram N, Liu Echu, Cummings-Vaughn LA, Howard SW, Vaughn MG, Jansson DR, Zhang C, Wang JY, Liu YM. Investigation of Simple, Objective, and Effective Indicators for Predicting Acute Paraquat Poisoning Outcomes. Toxicology and Industrial Health, doi.org/10.1177/0748233720933522, 2020
203. Yang Y, Lin QM, Liang Y, Ruan ZL, **Qian Z**, Syberg KM, Howard S, Wang CK, Acharya BK, Zhang QH, Ge HB, Wu XL, Li KH, Guo XL, Lin HL. The mediation effect of maternal glucose on the association between ambient air pollution and birth weight in Foshan, China. Environmental Pollution 266: 115128, 2020.
204. Zhang SY, Yang Y, Xie XH, Li H, Rong H, Hou JS, Sun J, **Qian Z**, Wu SW, Huang CR, Howard S, Tian F, Deng WF, Lin HL. The Effect of Temperature on Cause-Specific Mental Disorders in Three Subtropical Cities: A Case-Crossover Study in China. Environmental International 143, 105938, 2020.
205. Airhihenbuwa C, Iwelunmor J, Munodawafa D, Ford C, Oni T, Agyemang C, Mota C, Ikuomola OB, Simbayi L, Fallah MP, **Qian Z**, Makinwa B, Niang C, Okosun I. Culture Matters in Communicating the Global Response to COVID-19. Prev Chronic Dis 2020;17:200245. DOI: https://doi.org/10.5888/ pcd17.200245, 2020.
206. Tian F, Qi JL,Wang LJ, Yin P, **Qian Z**, Ruan ZL, Liu JM, Liu YN, McMillin SE, Wang CJ, Lin HL, Zhou MG. Differentiating the effects of ambient fine and coarse particles on mortality from cardiopulmonary diseases: a nationwide multicity study. Environmental International 145, 106096, 2020.
207. Liao J, Yang S, Xia W, Peng A, Zhao J, Li Y, Zhang Y, **Qian Z**, Vaughn M G, Schootman M, Zhang B, Xu S. Associations of exposure to green space with problem behaviors in preschool-aged children. International Journal of Epidemiology 49:944-953, 2020.
208. Li H, Zhang SY, **Qian Z**, Xie XH, Luo Y, Han R, Hou JS, Wang CJ, McMillin SE, Wu SW, Tian F, Deng WF, Lin HL. Short-term effects of air pollution on cause-specific mental disorders in three subtropical Chinese cities. Environmental Research 191:110214, 2020.

209. Ruan ZL, Qi JL, Yin P, **Qian Z**, Liu JM, Liu YN, Yang Y, Li H, Zhang, Howard SW, Lin HL, Wang LJ. Prolonged Life Expectancy for Those Dying of Stroke by Achieving the Daily $PM_{2.5}$ Targets. Global Challenges, DOI: 10.1002/gch2.202000048, 2020.
210. Geiger SD, Yao P, Vaughn MG, **Qian Z**. PFAS exposure and overweight/obesity among children in a nationally representative sample. Chemosphere, https://doi.org/10.1016/j.chemosphere.2020.128852, 2020
211. Wang H, Sun J, **Qian Z**, Gong Y, Zhong J, Yang R, Wan C, Zhang S, Ning D, Xian H, Chang JJ, Wang CJ, Shacham E, Wang J, Lin H. Association between Air Pollution and Atopic Dermatitis in Guangzhou, China: Modification by Age and Season. British Journal of Dermatology 184(6):1068-1076, 2021
212. Qi JL, Chen Q, Ruan ZL, **Qian Z**, Yin P, Liu YN, Liu JM, Wang CJ, Yang Y, McMillin SE, Vaughn MG, Wang LJ, Lin HL. Improvement in Life Expectancy for Ischemic Heart Diseases by Achieving Daily Ambient $PM_{2.5}$ Standards in China. Environmental Research 193, 110512, Doi.org/10.1016/j.envres.2020.110512, 2021.
213. Cheng ZY, Zhang XC, Bassig BA, Hauser R, Holford T, Zheng E, Shi D, Zhu Y, Schwartz SM, Chen C, Shi KC, Yang B, **Qian Z**, Boyle P, and Zheng T. Serum polychlorinated biphenyl (PCB) levels and risk of testicular germ cell tumors: a population-based case-control study in Connecticut and Massachusetts. Environmental Pollution 273:116458, 2021.
214. Cai M, Yang R, Yang SP, Zheng T, Dong GH, Lin HL, Rigdon SE, Xian H, Linyard LJ, Xaverius PK, Burroughs TE, Liu E, Jansson DR, LeBaige MH, Zhang B, **Qian Z**. Association between Maternal Outdoor Physical Exercise and the Risk of Preterm Birth: A Case-control Study in Wuhan, China. BMC Pregnancy and Childbirth 21(1):206, 2021. **Corresponding Author.**
215. Ruan ZL, Qi JL, **Qian Z**, Zhou MG, Yang Y, Zhang SY, Vaughn MG, LeBaige MH, Lin HL, Yin P. Disease Burden and Attributable Risk Factors of Respiratory Infections in China from 1990 to 2019. The Lancet Regional Health - Western Pacific 11: 100153, 2021.
216. Wang XJ, Leng MF, Liu YX, **Qian Z**, Zhang JG, Sun LW, Qin LJ, Wang CG, Howard SW, Vaughn MG, Yan Y, Lin HL. Different Sized Particles Associated with All-Cause and Cause-Specific Emergency Ambulance Calls: a Multicity Time-Series Analysis in China. Science of the Total Environment 783, 147060, 2021.
217. Cheng ZY, Zhang XC, Bassig B, Hauser R, Holford TR, Zheng E, Shi D, Zhu Y, Schwarts SM, Chen C, Shi KC, Yang B, **Qian Z**, Boyle P, Zheng TZ. Dataset of testicular germ cell tumors (TGCT) risk associated with serum polychlorinated biphenyl (PCB) by age at diagnosis and histologic types. Data in Brief 36, 107014. DOI of original article: 10.1016/j.envpol.2021.116458, 2021.
218. Conga JP, Chu C, Lib QQ, Zhou Y, **Qian Z**, Geiger SD, Vaughn MG, Zeng XW, Liu RQ, Hu LW, Yang BY, Chen GB, Zeeshan M, Sun Xa, Xiang MD, Dong GH. Associations of Perfluorooctane Sulfonate Alternatives and Serum Lipids in Chinese Adults. Environment International 155:106596, 2021.
219. Cai DW, Li DY, Wu YL, Qian Z, Liu Y, Liu QY, Sun JM, Guo YM, Zhang SY, Jiao GY, Yang XR, Wang CJ, McMillin SE, Zhang XR, Lin HL. Ambient $PM_{2.5}$ Exposure and Hospital Cost and Length of Hospital stay for Respiratory Diseases in 11 Cities in Shanxi Province, China. Thorax, 215838, 2021.
220. Sun J, Yang R, Xian H, Zhang B, Dong GH, Xaverius P, Lin HL, LeBaige M, Zeng TZ, **Qian Z**, Zhou AF. Maternal Exposure to Emission of Using new Furniture during Pregnancy and Preterm Birth. J Reprod Med Gynecol Obstet 2021, 6: 075 DOI: 10.24966/RMGO-2574/100075, 2021. **Corresponding Author.**

221. Yu HY, Zhou Y, Wang RY, **Qian Z**, Knibbs LD, Jalaludin B, Schootman M, McMillin SE, Howard SW, Lin LZ, Zhou P, Hu LW, Liu RQ, Yang BY, Chen GB, Zeng XW, Feng WR, Xiang MD, Dong GH. Associations between trees and grass presence and childhood asthma prevalence using deep learning image segmentation and a novel green view index. Environmental Pollution 286:1, 117582, 2021.
222. Liang ZJ, Yang Y, Yi Y, **Qian Z**, Zhang ZL, McMillin SE, Liu E, Lin HL, Liu GC. Maternal $PM_{2.5}$ Exposure Associated with Stillbirth: a Large Birth Cohort Study in Seven Chinese Cities. International Journal of Hygiene and Environmental Health 236:113795, 2021.
223. Tian F, Liu XB, Chao QC, **Qian Z**, Zhang SQ, Qi L, Niu YL, Arnold LD, Zhang SY, Li H, Xu JQ, Lin HL, Liu QY. Ambient Air Pollution and Low Temperature Associated with Case Fatality of COVID-19: A Nationwide Retrospective Cohort Study in China. The Innovation, S2666-6758(21)00064-3 DOI: https://doi.org/10.1016/j.xinn.2021.100139, 2021.
224. Howard SW, Zhang ZD, Linomaz J, Lam W, **Qian Z**, Thurman J, BeLue R. Efficacy Evaluation Study for Microburst Insulin Infusion: A Novel Model of Care. Frontiers in Public Health, section Public Health 12; 9:: 600906, 2021.
225. Yu HY, Hu LW, Zhou Y, **Qian Z**, Schootman M, LeBaige MH, Zhou YZ, Xiong SM, Shen XB, Lin Z, Zhou PE, Liu RQ, Yang BY, Chen GB, Zeng XW, Yu YJ, Dong GH. Association between eye-level greenness and lung function in urban Chinese children. Environmental Research 201:111641, 2021.
226. Cong JP, Wang LB, Liu FJ, **Qian Z**, McMillin SE, Vaughn MG, Song YM, Wang SS, Chen SS, Xiong SM, Shen XB, Sun X, Zhou YZ, Ho C, Dong GH. Associations between metabolic syndrome and anthropogenic heat emissions in northeastern China. Environmental Research 111974, 2022.
227. Zhou PE, **Qian Z**, McMillin SE, Vaughn MG, Xie ZY, Xu YJ, Lin LZ, Hu LW, Yang BY, Zeng XW, Zhang WJ, Liu RQ, Chen GB, Dong GH. Relationship between long-term ambient ozone exposure and allergic rhinitis and bronchitic symptoms in Chinese children. Toxics 14; 9(9):221. Doi:10.3390/toxics9090221, 2021.
228. Zhou PE, **Qian Z**, McMillin SE, Vaughn MG, Xie ZY, Xu YJ, Lin LZ, Hu LW, Yang BY, Zeng XW, Zhang WJ, Liu RQ, Chen GB, Dong GH. Relationships between Long-term Ozone Exposure and Allergic Rhinitis and Bronchitic Symptoms in Chinese Children. Toxics 14;9(9):221, 2021.
229. Ma QF, Li R, Wang LJ, Yin P, Wang Y, Yan CM, Ren y, **Qian Z**, Vaughn MG, McMillin SE, Hay SI, Naghavi M, Cai M, Wang CJ, Zhang ZL, Zhou MG, Lin HL Yang Yin. Temporal trend and attributable risk factors of stroke burden in China, 1990-2019: an analysis for the Global Burden of Disease Study 2019. Lancet Public Health 6; 12:e897-e906, 2021.
230. Dell NA, Prasad S, Vaughn MG, Salas-Wright CP, Hang Hai A, **Qian Z**. Binge drinking in early adulthood: A machine learning approach. Addictive Behaviors 124:107122, 2021.
231. Yu HY, Su F, Wang LB, Hemminki K, Dharmage S, Bowatte G, Bui D, **Qian Z**, Vaughn GM, Aaron H, Xiong SM, Shen XB, Zhou YZ, Zhou PE, Zeng XW, Chen GB, Yang BY, Hu LW, Dong GH. The Asthma Family Tree: Evaluating Associations between Childhood, Parental, and Grandparental Asthma in Seven Chinese Cities. Frontiers Pediatrics, DOI: 10.3389/fped.2021.720273, 2021
232. Mi X, Wu LY, Liu JJ, Fang L, **Qian Z**, Qing CC, Li Q, Su F, Zhang YT, Zhou PE, Zeng XW, Yu HY, Dong PX, Zhou Y, Ou YQ, Xiong SM, Shen XB, Feng wr, Zhou YZ, Dong GH. The effects of Cl-PFESAs exposure on blood lipids – A community-based large population study in Guangzhou. Science of The Total Environment 806: Part 2, 1, 150634, 2021.

233. Zhang YT, Zeeshan M, Su F, **Qian Z**, Geiger SD, McMillin SE, Wang ZB, Yan XD, Shi QO, Xu MX, Shen B, Zhou PE, Yang BY, Qing CC, Xiao QL, Wen WZ, Yang BY, Chu C, Li QQ, Zeng XW, Feng WR, Zhou YZ, Dong GH. Associations between both legacy and alternative per- and polyfluoroalkyl substances and glucose-homeostasis: The Isomers of C8 health project in China. Environmental International 158, 106913, 2021.
234. Lei L, Liu S, Ye Y, Qiu XQ, Huang DP, Pan DX, Chen JH, **Qian Z**, McMillin SE, Vaughn MG, Luo XX, Kaili Wu KL, Xiao SY, Li JX, Liu ML, Yang Y, Lai MS, Dong GH, Zeng XY. Associations between serum aflatoxin-B1 and anemia in pregnant women: A Longitudinal Birth Cohort Study in China. Toxins 13 (11): 806, https://doi.org/10.3390/toxins13110806, 2021.
235. Wang XJ, Guo YF, Cai M, **Qian Z**, Zhang SY, Zhang ZL, Yang Y, Vaughn MG, Aaron HE, Wu F, Zhang YQ, Lin HL. Constituents of Fine Particulate Matter and Asthma in Six Low- and Middle- Income Countries. Journal of Allergy and Clinical Immunology 28, S0091-6749(21)02737-8, 2021
236. Cao DW, Zheng DS, **Qian Z**, Shen HQ, Liu Y, Liu QY, Sun JM, Zhang SY, Jiao GY, Yang, XR, Vaughn MG, Wang CJ, Zhang XR, Lin HL. Ambient Sulfur Dioxide and Hospital Expenditures and Length of Hospital Stay for Respiratory Diseases: A multicity Study in China. Ecotoxicology and Environmental Safety 229:113082, 2021.
237. Zhu F, Chen L, **Qian Z**, Liao Y, Zhang Z, McMillin SE, Wang X, Lin H. Acute Effects of Particulate Matter with Different Sizes on Respiratory Mortality in Shenzhen, China. Environ Sci Pollut Res Int 28(28):37195-37203, 2021.
238. Wang X, Leng M, Liu Y, **Qian Z**, Zhang J, Li Z, Sun L, Qin L, Wang C, Howard SW, Vaughn MG, Yan Y, Lin H. Different Sized Particles Associated with All-Cause and Cause-Specific Emergency Ambulance Calls: A Multicity Time-Series Analysis in China. Sci Total Environ 20;783:147060, 2021.
239. Zheng TZ, Buka S, Kelsey K, Papandonatos G, Oh JH, Sjodin A, Zhang XC, **Qian Z**, Shi KC. The hypothesis of Fatal Origin of Breast Cancer: An Update. Women's Health Research 3(2):59-70, 2021.
240. Wu YL, Zhang SY, Zhuo BT, Miao Cai M, **Qian Z**, Vaughn MG, McMillin SE, Zhang ZL,Lin HL. Global Burden of Chronic Obstructive Pulmonary Disease Attributable to Ambient Particulate Matter Pollution and Household Air Pollution from Solid Fuels from 1990 to 2019. Environmental Science and Pollution Research International 29(22):32788-32799, 2022.
241. Li H, Li M, Zhang SY, **Qian Z**, Zhang ZL, Zhang K, Wang CJ, Arnold LD, McMillin SE, Wu SW, Tian F, Lin HL. Interactive effects of cold spell and air pollution on outpatient visits for anxiety in three subtropical Chinese cities. Science of The Total Environment 817:5, 107082, 2022.
242. Zhang ZL, Chen L, **Qian Z**, Li HT, Cai M, Wang XJ, McMillin SE, Vaughn MG, Liu K, Shao ZJ, Lin HL. Residential Green and Blue Space Associated with Lower Risk of Adult-Onset Inflammatory Bowel Disease: Findings from a Large Prospective Cohort Study. Environment International 60, 107082, 2022.
243. Tian F, Qi JL, **Qian Z**, Li H, Wang LJ, Wang CJ, Geiger SD, McMillin SE, Yin P, Lin HL, Zhou MG. Differentiating the Effects of Air Pollution on Daily Mortality Counts and Years of Life Lost in Six Chinese Megacities. Science of The Total Environment 827: 154037, 2022.
244. Wu LY, Dang Y, Liang LX, Gong YC, Zeeshan M, **Qian Z**, Geiger SD, Vaughn MG, Zhou Y, Li QQ, Tan YW, Lin LZ, Liu RQ, Hu LW, Yang Y, Zeng XW, Yu YJ, Dong GH. Perfluorooctane sulfonates induces neurobehavioral changes and increases dopamine neurotransmitter levels in zebrafish larvae. Chemosphere 297, 134234, 2022.

245. Ai SG, Zhou HJ, Wang CK, **Qian Z**, McMillin SE, Huang CR, Zhang TT, Xu LL, Li ZJ, Lin HL. Effect and attributable burden of hot extremes on bacillary dysentery in 31 Chinese provincial capital cities. Science of The Total Environment 832: 155028, 2022.
246. Wang XJ, **Qian Z**, Zhang ZL, Cai M, Chen L, Wu YL, Li HT, Liu EC, McMillin SE, Lin HL. Population Attributable Fraction of Lung Cancer due to Genetic Variates, Modifiable Risk Factors and Their Interaction: A Nationwide Prospective Cohort Study. Chemosphere 301:134773, 2022.
247. Li QQ, Liu JJ, Su F, Zhang YT, Wu LY, Chu C, Zhou YZ, Shen XB, Xiong SM, Geiger SD, **Qian Z**, McMillin SE, Dong GH, Zeng XW. Chlorinated Polyfluorinated Ether Sulfonates and Thyroid Hormone Levels in Adults: Isomers of C8 Health Project in China. Environ Sci Technol 56:10, 6152-6161, 2022.
248. Li R, Qi J, Yang Y, Wu Y, Yin P, Zhou M, **Qian Z**, LeBaige MH, McMillin SE, Guo H, Lin HL. Disease Burden and Attributable Risk Factors of Alzheimer's Disease and Dementia in China from 1990 to 2019. The Journal of Prevention of Alzheimer's Disease 9(2):306-314, 2022.
249. Chen L, Wang X, **Qian Z,** Sun L, Qin L, Wang C, Howard S W, Aaron HE, Lin HL. Ambient gaseous pollutants and emergency ambulance calls for all-cause and cause-specific diseases in China: a multicity time-series study. Environmental Science and Pollution Research 29(19):28527-28537, 2022.
250. Alnwisi SMM, Chai C, Acharya BK, **Qian Z**, Zhang S, Zhang Z, Vaughn MG, Xian H, Wang Q, Lin H. Empirical dynamic modeling of the association between ambient PM2.5 and under-five mortality across 2851 counties in Mainland China, 1999-2012. Ecotoxicological and Environmental Safety 237:113513, 2022.
251. Cai M, Zhang SY, Lin XJ, **Qian Z**, McMillin SE, Yang Y, Zhang ZL, Pan J, Lin HL. Association of ambient particulate matter pollution of different sizes with in-hospital case fatality among stroke patients in China. Neurology 25;10.1212/WNL.0000000000200546. doi: 10.1212/WNL.0000000000200546, 2022.
252. Zhang M, Yang BY, Sun YQ, **Qian Z**, Xaverius PK, Aaron H, Liu RX, Zhao XT, Zhang Z, Dong GH, Yin CH, Yue WT. Non-linear Relationship of Maternal Age with Risk of Spontaneous Abortion: A Case-control Study in the China Birth Cohort. Front. Public Health 10:933654. doi: 10.3389/fpubh.2022.933654, 2022.
253. Wu QZ, Xu SL, Tan YW, **Qian Z**, Vaughn MG, McMillin SE, Dong PX, Qin SJ, Liang LX, Lin LZ, Liu RQ, Yang BY, Chen GB, Zhang WJ, Hu LW, Zeng XW, Dong GH. Exposure to ultrafine particles and childhood obesity: A cross-sectional analysis of the Seven Northeast Cities (SNEC) Study in China. Science of the Total Environment 846, 157524, 2022.
254. Zhang XC, Huels A, Makuch R, Zhou AF, Zheng T, Xia W, Gaskins A, Makuch J, Zhu Z, Zhu CR, **Qian Z**, Xu SQ, Li YY. Association of exposure to ambient particulate matter with maternal thyroid function in early pregnancy. Environmental Research, 214, Part 2: 113942, 2022.
255. Sun J, Yang R, Xian H, Zhang B, Lin HL, Xaverius P, Yang SP, GH, Howard SW, LeBaige M, Peng A, Liu E, Zheng TZ, Zhou AF, **Qian Z.** Association between maternal family history of hypertension and preterm birth: modification by noise exposure and multivitamin intake. The Journal of Maternal-Fetal & Neonatal Medicine, DOI:10.1080/14767058.2022.2128665, 2022.
256. Tian F, Cai M, Li HT, **Qian Z**, Chen L, Zou HT, Zhang ZL, Wang CG, Xian H, McMillin SE, and Lin HL. Relationship between ambient air pollution and incident stroke, post-stroke

cardiovascular events, and death: A trajectory analysis of a national prospective cohort. Accepted by Neurology on August 12, 2022.

257. Li R, Cai M, **Qian Z**, Wang XJ, Zhang ZL, Wang CJ, Wang YQ, Arnold LD, Howard SW, Li HT, Lin HL. Ambient air pollution, lifestyle, and genetic predisposition associated with type 2 diabetes: findings from a national prospective cohort study. Science of The Total Environment 849, 25:157838, 2022.
258. Chen G, Wu YL, **Qian Z**, Wang XJ, Howard SW, McMillin HL, Ruan ZL, Zhang ZL. Associations between conjunctivitis and ambient $PM_{2.5}$ and physical activity: A nationwide prospective cohort study. Science of The Total Environment 851, Part 1, 157979, 2022.
259. Hu XM, Nie ZQ, Ou YQ, **Qian Z**, McMillin SE, Aaron HE, Zhou YL, Dong GH, Dong HJ. Air quality improvement and cognitive function benefit: insight from clean air action in China. Environmental Research 214:part 4, 114200, 2022.
260. Li YQ, Chang JJ, Xian H, **Qian Z**, Barnidge E. Racial/Ethnic Differences in the Association between Food Security and Depressive Symptoms among Adult Foreign-Born Immigrants in the US: a Cross-Sectional Study. Accepted by Journal of Immigrant and Minority Health in August 2022.
261. Zou HT, Cai M, **Qian Z**, Zhang ZL, Vaughn MG, Wang XJ, Li HT, Lin HL. The effects of ambient fine particulate matter exposure and physical activity on heart failure: A risk-benefit analysis of a prospective cohort study. Science of The Total Environment 853, 158366, 2022.
262. Chen L, Wang XJ, **Qian Z**, Sun LW, Qin LJ, Wang CG, Howard SW, Aaron HE, Lin LH. Ambient gaseous pollutants and emergency ambulance calls for all cause and cause-specific diseases in China: a multicity time-series study. Environ Sci and pollution research;29(19):28527-28537, 2022.
263. Liu W, Wei J, Cai M, **Qian Z**, Long Z, Wang LJ, Vaughn MG, Aaron HE, Tong XL, Li YM, Ying P, Lin HL, Zhou MG. Particulate matter pollution and asthma mortality in China: A nationwide time-stratified case-crossover study from 2015 to 2020. Chemosphere 308, Part 2, 136316, 2022.
264. Yang Y, Lin QM, Liang Y, Ma LM, Zhang SY, Lai ZH, **Qian Z**, McMillin SE, Howard SW, Wu XL, Luo WD, Zhang ZL, Guo XL, Lin HL. Exposure to ambient air pollution and indicators of maternal liver function during pregnancy: Findings from a birth cohort study in Foshan City, Southern China. Atmospheric Environment 291, 119408, 2022.
265. Cai M, Lin XJ, Wang XJ, Zhang SY, **Qian Z**, McMillin SE, Aaron HE, Lin HL, Wei J, Zhang ZL, Pan J. Ambient particulate matter pollution of different sizes associated with recurrent stroke hospitalization in China: A cohort study of 1.07 million stroke patients. Science of The Total Environment, 159104, 2022.
266. Wu YL, **Qian Z**, Lin HT, McMillin S, Vaughn GM, Ruan ZL, Li HT, Lin HL, Hu QS, Zhang ZL. Risk-benefit analysis of the association of ambient fine particulate matter pollution and physical activity with age-related cataract: A prospective cohort study. Atmospheric Pollution Research 13:11, 101578, 2022.
267. Li HP, Cai M, Li HT, **Qian Z**, Stamatakis K, McMillin SE, Zhang, ZL, Hu QS, Lin HL. Is dietary intake of antioxidant vitamins associated with reduced adverse effects of air pollution on diabetes? findings from a large cohort study. Ecotoxicology and Environmental Safety 246, 114182, 2022.
268. Zhou PE, Zhang WJ, Xu YJ, Liu RQ, **Qian Z**, Binghaim E, McMillin SE, Bingheim E, Lin LZ, Zeng XW, Yang BY, Hu LW, Chen W, Chen GB, Yu YJ, Dong GH. Association between Long-term ambient ozone exposure and attention-deficit/hyperactivity disorder symptoms

among Children children. Environmental Research 216: Part 2, 114602, Soo13-9351(01929-6, 2022.
269. Wang XJ, Wang TT, Hua JJ, Cai M, **Qian Z**, Wang CQ, Li HT, McMillin SE, Aaron HE, Xie CB, Lin HL. Histological types of lung cancer attributable to fine particulate, smoking, and genetic susceptibility. Science of the Total Environment 858: Part 2, 159890, 2022
270. Lai, ZH, Yin Yang Y, **Qian Z**, Vaughn MG, Tabet M, Lin HL. Is ambient air pollution associated with sarcopenia? Results from a nation-wide cross-sectional study. Age and Ageing 51:11, afac249, 2022.
271. Tang YX, Zhan YT, Xu YJ, **Qian Z**, Vaughn GM, McMillin SE, Chen GB, Song HD, Lu YJ, Li YR, Dong GH, Wang Z. Exposure to ambient particulate matter and hyperuricemia: An eight -year prospective cohort study on male traffic officers in China. Ecotoxicology and Environmental Safety, 249:1, 114354, 2022.
272. Li HP, Liang LH, Zhang SY, **Qian Z**, Cai M, Wang XJ, McMillin SE, Keith AE, Wei J, Geng Y, Lin HL. Short-term ambient particulate matter pollution of different sizes and respiratory hospital admission in the Beibu Gulf area in Southern China. Atmospheric Environment 294:1, 119524, 2022.
273. Zhang Z, Yu YJ, Yang BY, Huang WZ, Zhang YT, Luo YN, Bloom MS, **Qian Z**, Arnold LD, Boyd R, Wu QQ, Liu RX, Dong GH, Yin CH, The China Birth Cohort Study (CBCS) Group. Association between Pet Ownership and Threatened Abortion in Pregnant Women: The China Birth Cohort StudyInt. J. Environ. Res. Public Health 19, 16374, 2022.
274. Zou HT, Zhang SY, Cai M, **Qian Z**, Zhang ZL, Chen L, Wang XJ, Arnold LD, Howard SW, Li, HT, Lin HL Ambient air pollution associated with incidence and progression trajectory of cardiometabolic diseases: A multi-state analysis of a prospective cohort. Science of The Total Environment 863:1, 160803, 2022
275. Chu C, Fang Q, Cui X, **Qian Z**, McMillin SE, Howard SW, Dong P, Ou Y, Li Q, WuL, Liang L, Qin S, Zeng X, Hu L, Xiang M, Dong GH. Non-monotonic association between chlorinated polyfluorinated ether sulfonic acids exposure and the risk of overweight/obesity status in adults. Research Square; 2021. DOI: 10.21203/rs.3.rs-977468/v1, 2022.
276. Liang LX, Dong PX, Zhou Y, Zhang L, **Qian Z**, Geiger SD, Bingheim B, Tang XJ, Wu Y, Lv LZ, Zeeshan M, Zeng XW, Feng WR, Dong GH. Joint effects of per- and polyfluoroalkyl substance alternatives and heavy metals on renal health: A community-based population study in China. Environmental Research 219:15, 115057, 10.1016/j.envres.2022.115057, 2022.
277. Feng J, Cao DW, Zheng DS, **Qian Z**, Huang CR, Shen HQ, Liu Y, Liu QY, Sun JM, Jiao GY, Yang XR, McMillin SE, Wang CJ, Lin HL, Zhang XR, Zhang SY. Cold spells linked with respiratory disease hospitalization, length of hospital stay, and hospital expenses: Exploring cumulative and harvesting effects. Science of The Total Environment 863:10, 160726, 2022.
278. Cai M, Wei J, Zhang SY, Liu W, Wang LJ, **Qian Z**, Lin HL, Liu E, McMillin SE, Cai Y, Yin P. Short-term air pollution associated with death from kidney diseases: a nationwide time stratified case crossover study in China from 2015 to 2019. BMC Medicine 21:32. doi: 10.1186/s12916-023-02734-9, 2023.
279. Hu XM, Nie ZQ, Ou YQ, Lin LZ, **Qian Z**, Vaughn MG, McMillin SE, Zhou YL, Wu YJ, Dong GHg, Dong HJ. Long-term exposure to ambient air pollution, circadian syndrome and cardiovascular disease: A nationwide study in China. Science of Total Environment 868, 161696, 2023.
280. Zhang SY, Chen L, **Qian Z**, Cai M, Wang CJ, Zhang ZL, Vaughn MG, Keith AE, Li HT, Lin HL. Exposure to air pollution during pre-hypertension and subsequent hypertension,

cardiovascular disease and death: a trajectory analysis of a prospective cohort. Environmental Health Perspectives 131, 10.1289/EHP12836, 2023.
281. Li MJ, Randall C. Edgell RC, Wei J, Li HP, **Qian Z**, Feng J, Tian F, Wang XJ, Xin QH, Cai M, Lin HL. Air pollution and stroke hospitalization in the Beibu Gulf Region of China: A case-crossover analysis. Ecotoxicology and Environmental Safety 255, 114814, 2023.
282. Zheng G, Zheng Y, Cai M, Li R, **Qian Z**, Howard SW, Keith A, Zhang SY, Wang XJ, Zhang JG, Lin HL. Dietary diversity and inflammatory diet associated with all-cause mortality and incidence and mortality of type 2 diabetes: two prospective cohort studies. Nutrients 15, 2120, https://doi.org/103390/nu15092120, 2023.
283. Birkenmaier J, Jung EJ, McMillin SE, **Qian Z**. Are credit scores and financial well-being associated with physical health? Social Work in Health Care 62;5:162-178, https://doi.org/10.1080/00981389, 2207614, 2023.
284. Wang XJ, Chen L, Cai M,Tian F, Zou HT, **Qian Z**, Zhang ZL, Li HT, Wang CJ, Howard SW, Peng Y, Zhang L, Bingheim, Lin HL, Zou YF. Air pollution associated with incidence and progression trajectory of chronic lung diseases: a population-based cohort study. Thorax 2023;0:1–8. doi:10.1136/thorax-2022-219489, 2023.
285. Li JX, Huang DP, Liang J, Chen JH, Lei L, Lin MR, Wu KL, Xiao SY, Lai MS, Qiu XQ, **Qian Z**, Vaughn MG, McMillin SE, Dong GH, Zeng XY, Liu S. Physical activity during pregnancy and adverse birth outcome: a prospective cohort study in China. J Matern Fetal Neonatal Med; 36(1):2162819, doi:10.1080/14767058.2022.2162819, 2023.
286. Dean CA, Liu E, Enard KR, **Qian Z**, Elder KT. Factors associated with food insecurity among the chronically ill population during the COVID-19 pandemic in the United States. Front. Public Health 11, doi: 10.3389/fpubh.1142603, 2023.
287. Zheng DS, Cai M[1], **Qian Z**, Wang CJ, Zhang SY, Zhang ZL, Wang XJ, Vaughn MG, Bingheim E, Lin HL. The associations of glycosylated hemoglobin with grey matter volume and depression: Investigating mediating role of grey matter volume. Global Transitions 5:107-116, 2023.
288. Wang XJ, Deng X, Wu YL, **Qian Z**, Cai M, Li HT, Lin HL. Lin HL. Low-level ambient sulfur dioxide exposure and genetic susceptibility associated with incidence of idiopathic pulmonary fibrosis: a national prospective cohort study. Chemosphere 337, 139362, S0045-6535(23)01629-6, 2023.
289. Jin Feng J, Cai M, **Qian Z**, Zhang SY, Yang Y, McMillin SE, Chen G, Hua JJ, Tablet M, Wan CJ, Wang XJ, Lin HL. The effects of long-term exposure to air pollution on incident mental disorders among patients with prediabetes and diabetes: Findings from a large prospective cohort. Science of The Total Environment 897;1, 165235, 2023.
290. Zhang JG, Chen G, Wang CJ, Wang XJ, **Qian Z**, Cai M, Vaughn MG, Bingheim E. Li HT, Gao YH, Lip GYH, Lin HL. Associations of risk factor burden and genetic predisposition with 10-year risk of atrial fibrillation: observations from a large prospective study of 348,904 participants. BMC Medicine 21:88. Doi:10.1186/s12916-023-02798-7, 2023.
291. Zhang JY, Chen L, Zhang SY, Cai M, Zou HT, Vaughn MG, Tabet M, **Qian Z**, Lin HL. Associations of Sleep Patterns with Dynamic Trajectory of Cardiovascular Multi-morbidity and Mortality: A Multistate Analysis of a Large Cohort. Journal of the American Heart Association 12;19:e029463, 2023.
292. Hua JJ, Lin H, Wang XJ, **Qian Z**, Vaughn MG, Tabet M, Wang CJ, Lin HL. Associations of Glycosylated Hemoglobin, Pre-Diabetes, and Diabetes with Incident Lung Cancer: A Large Prospective Cohort Study. Available at SSRN: https://ssrn.com/abstract=4320794 or http://dx.doi.org/10.2139/ssrn.4320794.

293. Zhang SY, Lan Chen, **Qian Z**, Li D, Cai M, Wang CJ, Zhang ZL, Vaughn GM, Keith AE, Li HT, Lin HL. Associations between air pollution and the risk of first admission and multiple readmissions for cardiovascular diseases. Heart;0:1–9. doi:10.1136/heartjnl-2023-322682, 2023.
294. Tian F, Lan Chen, **Qian Z**, Xia H, Zhang ZL, Zhang JY, Wang CJ, Vaughn MG, Tabet M, Lin HL. Ranking age-specific modifiable risk factors for cardiovascular disease and mortality: evidence from a population-based longitudinal study. eClinicalMedicine, 102230, doi.org/10.1016/j, 2023.
295. Qin XD, Zhou Y, Bloom MS, **Qian Z**, Geiger SD, Vaughn MG, Chu C, Li QQ, Yang BY, Hu LW, Yu YJ, Zeng XW, Dong GH. Prenatal Exposure to PFAS, Associations with Preterm Birth and Modification by Maternal Estrogen Levels: The Maoming Birth Study. Environmental Health Perspectives 131(11), 117006-1, 2023.
296. Chen YY, Liu Y, Grekousis G, **Qian Z**, Vaughn MG, Bingheim E, Yang BY, Chen GB, Dong GH. Examining the non-linear association between the built environment around residence and the risk of obesity among children and adolescents at different school stages in Guangzhou and Shenzhen, China. Cities, 104674, S0264-275(23)00486-9, 2023.
297. Li Y, Chang JJ, Xian H, **Qian Z**, Barnidge E. Racial/Ethnic Differences in the Association Between Food Security and Depressive Symptoms Among Adult Foreign-Born Immigrants in the US: A Cross-Sectional Study. J Immigr Minor Health;25(2):339-349. doi: 10.1007/s10903-022-01393, 36083380, 2023.
298. Dong GH, **Qian Z**, Vaughn MG, Tablet M. Association between outdoor light at night and hypertension and high-normal blood pressure: a nationwide cross-sectional study among Chinese adults. Accepted by The Journal of Clinical Hypertension in 2023.

PUBLISHED ABSTRACTS OR PRESENTATIONS

1. Tian X, **Qian Z**. Study on Wuhan atmospheric diffusion and volume by mathematical models. 6th Annual Meeting of Chinese National Atmospheric Diffusion and Evaluation, Beijing, China, September 12-16, 1990.
2. Lin Y, **Qian Z**. The analysis of the death cause in Yinjiadun industrial pollution in Wuhan. 4th Symposium on Environmental Sciences, Hubei, China, August 16, 1991.
3. Wei F, **Qian Z**. Design of the Study on Respiratory Health Effects of Exposure to Air Pollution. Symposium on Air Pollution Epidemiology of the World Health Organization (WHO), Beijing, China, 1993.
4. Chapman RS, Tian QX, Yan LY, **Qian Z**, Chen Y, Sun CW, Lioy PJ. Air pollution and respiratory health in Chinese cities: pilot study results. Am Rev Respir Dis 1993; 147 (Part 2): A642.
5. **Qian Z**, Zhang J, Lioy P, Chapman RS. Effects of Outdoor and Indoor Air Pollution on the Respiratory Health of Children in Three Chinese Cities. 7th Annual Meeting of the International Society of Exposure Analysis, Research Triangle Park, NC, November 2-5, 1997.
6. **Qian Z**, Zhang J, Wei F, Chapman RS, Peng Z, Chen Y, Tian Q. The Four Chinese Study: 2. Ambient Concentrations of Particulate and Gaseous Pollutants. 10th Annual Conference of the International Society of Exposure Analysis, Monterey Peninsula, CA, October 24-27, 2000.
7. **Qian Z**, Zhang J, Wei F, Chapman RS. Impacts of cooking coal smoke and heating coal smoke on respiratory health of children in four Chinese cities. 9TH International Conference on Indoor Air Quality and Climate, Monterey, CA, June 30 – July 5, 2002.

8. Bascom R, **Qian Z,** Young M, Birnbaum Y, Goldman M, Enright P, Buyantseva L, Roberts A. Acute Health Effects of Exposure to 9/11 Attacks in NYPD Officers: Work in Progress. The National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV, April 10, 2003.
9. **Qian Z**, He Q, Liao D, Lin HM, Zhou D, Kong L, Wang B. Ambient particle air pollution and daily mortality in Wuhan. The HEI's PAPA program. Bangkok, Thailand, 2004.
10. **Qian Z**, He Q, Lin HM, Liao D, Zhou D, Kong L, Wang B. Daily mortality and major criteria pollutants in Wuhan China. Better Air Quality 2004, Agra, India, 2004.
11. **Qian Z**, He Q, Lin HM, Liao D, Zhou D, Kong L, Wang B. Ambient particle air pollution and daily mortality in Wuhan, China. Health Effects Institute Annual Conference. Boston, MA, 2004.
12. **Qian Z**, Robert G, Buyantseva L, Enright P, Kapalka G, Young M, Roberts A, Pogash R, Bascom R. Acute respiratory responses to September 11: a survey of 446 New York police officers. *Epidemiology* 15: S121-S122, 2004.
13. **Qian Z**. Liao D, Lin HM, Whitsel E, Rose K, Duan K. Association of long-term exposure to ambient particulates and ozone with lung function in American adults-a population based study. *Epidemiology* 15: S46, 2004.
14. Kapalka G, Letizia G, Bascom R, **Qian Z**, Buyantseva L, Young M, Roberts A. Physical and mental health of New York city police officers 18 months after the World Trade Center attacks. *Epidemiology* 15: S123, 2004.
15. Liao D, Mo J, Duan Y, Lin H, Darnell M, **Qian Z**. The Joint Effect of Hypertension and Elevated LDL-Cholesterol on CHD Is Beyond Additive. European Society of Cardiology Congress 2004. Aug. 28-Sept 1, 2004. Munich, Germany.
16. Liao D, Mo J, Duan Y, Lin H, Gillen D, Pu M, **Qian Z**. Racial Differences in the Joint Prevalence of Hypertension, Elevated LDL-Cholesterol, and Diabetes in a Population-Based Study. American Heart Association's 58th Annual Fall Conference and Scientific Sessions of the Council for High Blood Pressure Research in association with the Council on the Kidney in Cardiovascular Disease. October 9-12, 2004. Chicago, IL.
17. **Qian Z**, He Q, Lin HM, Liao D, et al. Interim report of Ambient Particle Air Pollution and Daily Mortality in Wuhan. Health Effects Institute Annual Conference. Baltimore, MD, 2005.
18. **Qian Z**, He Q, Lin HM, Liao D, et al. Ambient Particle Air Pollution and Daily Mortality. Health Effects Institute's PAPA investigators' workshop, HongKong, China, 2005.
19. Buyantseva LV, Kampala G, Leticia G, **Qian Z**, Engle LL, Gillis R, Roberts A, Bosom R Evolution of respiratory symptoms in New York Police Officers over eighteen months post 9/11, *Annals of Epidemiology* 8, 662, 2005
20. Letizia G, Kapalka G, Bascom R, Gillio R, **Qian Z**, Buyantseva L, Roberts A. Mental Health Functioning of NYPD Officers 18 Months After 9/11/2001, American Psychological Association, Washington, DC, August 18-21, 2005.
21. **Qian Z**, Lin HM, Liao D, Lehman EB, Chinchilli VM, Craig TJ, Duan Y, Lazarus SC. Interaction between ambient air pollution and typical asthma medication regimens on exhaled nitric oxide. Epidemiology 17: S287, 2006.
22. **Qian Z**, He Q, Lin HM, Liao D, Bentley CM, Kong L, Zhou D, Liu W, Yang N, Dan J, Xu S, Xu F, Wang B. Acute mortality effects of ambient particle air pollution, air pollution-by-hot weather interaction in Wuhan, China. Epidemiology 17: S266, 2006.
23. **Qian Z**, He Q, Lin HM, Liao D, Bentley CM, Kong L, Zhou D, Liu W, Yang N, Dan J, Xu S, Xu F, Wang B. Modification of extreme hot weather on effects of ambient air particle

pollution on cause-specific mortality in Wuhan, China. Health Effects Institute's Annual Conference, San Francisco, CA, April, 2006.

24. Foster JD, Buyantseva LV, Lehman EB, **Qian Z**, Robert L. Vender RL, Roberts AJ, Bascom R. Reference values for pulmonary function of retired professional American football players. Chest 130: 247S, 2006.
25. **Qian Z**, He Q, Lin HM, Kong L, Zhou D, Liao D, Liu W, Bentley CM, Dan J, Wang B, Yang N, Xu S, Gong J, Wei H, Sun H, Qin Z. Acute health effects of ambient air pollution on cause-specific mortality in a stove city of Wuhan, China. Better Air Quality 2006, Yogyakarta, Indonesia, 2006.
26. Vichit-Vadakan…, Wang CM…, Chen BH…, **Qian Z**… Public Health and Air Pollution in Asia (PAPA) – A multi-city study for short-term effects of air pollution on mortality. Better Air Quality 2006, Yogyakarta, Indonesia, 2006.
27. **Qian Z**, He Q, Lin HM, Liao D, Bentley CM, Kong L, Zhou D, Liu W, Yang N, Dan J, Xu S, Xu F, Wang B. Time Series Analyses of Air Pollution Mortality Effects in Wuhan, China. Health Effects Institute's Annual Conference, Chicago, IL, April, 2007.
28. Wong CM, Vichit-Vadakan, Kan HD, **Qian Z**. Public Health and Air Pollution in Asia (PAPA): A multi-city study for short-term effects of air pollution on mortality. Health Effects Institute's Annual Conference, Chicago, IL, April, 2007.
29. **Qian Z**, He Q, Lin HM, Kong L. Seasonal patterns of acute mortality effects of ambient air pollution. International Forum of Public Health, Shanghai 2007, December 2007.
30. **Qian Z**, Lin HM, Stewart WF, Kong L, Zhou D, Zhu Z, Liang S, Shah N, Chen W, Stetter C. Seasonal patterns of the acute mortality effects of air pollution. Better Air Quality 2008, Bangkok, Thailand, 2008.
31. CM Wong, Nitaya Vajanapoom, Kan K, **Qian Z**. Overview of Combined Study - Coordinated Analytic Approach and Analysis. Better Air Quality 2008, Bangkok, Thailand, November 2008.
32. Qian Z and Schwartz B. Agriculture, the Susquehanna River, and Epidemiological Connections. The 3rd Annual Susquehanna River Symposium, Lewisburg, PA, 2008.
33. **Qian Z**, Blosky MA, Wood CG, Betoni J, Black L, Whary A, Mateer H, Stewart WF. Post-discharge health Care costs for preterm infants. HMO Research Network, 16th Annual Conference, Austin, Texas, 2010.
34. Liang SW, Mehta S, Zhang B, **Qian Z**. Use of Air Quality Data in Studies of Air Pollution and Children's Health in Wuhan. Better Air Quality 2010, Singapore. November 2010.
35. Qian **Z**, Zhang B, Liang S, Fu J, Evans RG, Yang S, Yang R, Hu R, Chen Z, Wang J, Wei H, Hu K, Peng H. Air Pollution and Adverse Pregnancy Outcomes in Wuhan, China. Health Effects Institute's Annual Conference, Boston, MA, May 2011.
36. **Qian Z**, Liang S, Zhang B, Yang S, Wei H, Fu J, Evans G, Yang R, Hu R, Chen Z, Wang J, Hu K, and Peng H. Health Effects of Air Pollution on Preterm Births and Low Birth Weights in Wuhan, China. Health Effects Institute's Annual Conference, Chicago, IL, April, 2012.
37. Bawa S, Dong G, **Qian Z**, Fu J, Wang J, Lewis R, Zelicoff A, Trevathan E. Breastfeeding decreases the effect of ambient air pollution on respiratory symptoms and illness in Chinese children: The 25 Districts Chinese Study (DCS). APHA 140th Annual Meeting & Expo, San Francisco, CA, October, 2012.
38. **Qian Z** and Trevathan E. Air Pollution and Adverse Pregnancy Outcomes in Wuhan, China. International Childhood Cancer Cohort Consortium (I4C), 5th International Meeting. International Agency for Research on Cancer (IARC), Lyon, France, November, 2012.

39. Dong GH, **Qian Z**, Trevathan E, Liu MM, Wang D, Ren WH, Simckes M, Wang J, Fu Q, Zelicoff A. Pet Ownership Decreases Respiratory Responses to Air Pollution in Children: the Seven Northeastern Cities Study. The 18th Annual Maternal and Child Health Epidemiology (MCH EPI) cohosted with the 2012 CityMatCH Urban MCH Leadership Conference. San Antonio, TX, December 2012.
40. **Qian Z**, Zhang B, Liang S, Jing Wang, Yang S, Yang R., Flick L. Hu R, Wang J, and Hu K. Associations between Ambient Air Pollution and Preterm Births and Low Birth Weights in Wuhan, China. Health Effects Institute's Annual Conference, San Francisco, CA, April, 2013.
41. **Qian Z**, Zhang B, Liang S, Wang J, Yang S, Yang R, Flick LH, Hu R, Wang J, Hu K. Cohort Profile: The Wuhan Adverse Pregnancy Outcome Study. Health Effects Institute's Annual Conference, Alexandria, Virginia, May 2014.
42. **Qian Z**. Ambient Air Pollution and Adverse Pregnancy Outcomes. School of Public Health, Sun Yat-sen University, Guangzhou, China, October 21, 2014.
43. **Qian Z**. Air Pollution Epidemiology: The Seven Northeastern Cities (SNEC) Study. Chinese Research Academy of Environmental Sciences. Beijing, China, October 30, 2014.
44. **Qian.** Z. Opportunities in Wuhan, China: Available Populations for Studies. Saint Louis University College for Public Health and Social Justice. Saint Louis, MO, November 12, 2014.
45. **Qian Z**. Populations for Childhood Cancer Studies in Wuhan, China. International Childhood Cancer Cohort Consortium (I4C), 7th International Meeting. International Agency for Research on Cancer (IARC), Lyon, France, November 2014.
46. Jakhar S, Williams C, Flick L, Chang JJ, **Qian Z**, Wang J. Racial Disparity in Correlates of Late Preterm Births: A Population-Based Study. Making Lifelong Connections 2015: Leadership, Networking, and Professional Development, Fifth Annual Meeting, San Antonio, TX, April 2015.
47. **Qian Z**, Zhang B, Liang S, etc. Air Pollution and Adverse Pregnancy Outcomes in Wuhan, China. The China Forum on Public Health, Environment, and Public Policy. Providence, RI, April 2015.
48. **Qian Z**. Case-control Study: Ambient Air Pollution and Adverse Pregnancy Outcomes. China National Institute of Environmental Health Science Epidemiology & Biostatistics Workshop. XiAn, China, June 2015.
49. **Qian Z**. Seven Northeast Chinese Cities Study of Air Pollution and Human Health. China National Institute of Environmental Health Science Epidemiology & Biostatistics Workshop. XiAn, China, June 2015.
50. **Qian Z**. Modifications of temperature extremes on health effects of ambient air pollution on preterm birth. Invited lecture by School of Public Health, Sun Yat-sen University, Guangzhou, China, September, 2015.
51. Yan YQ and **Qian Z**. Incidence of Childhood Cancer from 1993 to 2012. Wuhan Centers. International Childhood Cancer Cohort Consortium (I4C), 8th International Meeting. University of Oxford, Oxford, UK, November 2015.
52. **Qian Z**. Study Designs for Population Studies. Invited lecture at Guangzhou Occupational Disease Prevention & Treatment Centre, Guangzhou, China, March 8, 2016.
53. Zhao J, Zhang B, Yang S, Liang S, **Qian Z**, Xu S. Maternal Exposure to Air Pollution and Risk of Oral Clefts. Barcelona, Spain, March 2016.

54. Yang S, Zhang B, Zhao J, Liang S, **Qian Z**, Xu S, Zheng. Ozone and Other Air Pollutants and the Risk of Congenital Health Defects. The 3rd World Congress on Controversies in Pediatrics (CoPedia), Barcelona, Spain, March 2016.
55. **Qian Z**. How to Write English Peer-Reviewed Papers on Air Pollution Epidemiology. Invited lecture by School of Public Health, Sun Yat-sen University, Guangzhou, China, July 2016.
56. **Qian Z**. Application of Epidemiology in Occupational Health Sciences. The Fourth Symposium of Guangdong Occupational Health Association. JiangMen, Guangdong, China, September 2016.
57. **Qian Z**. Progress of Occupational Health Epidemiology. Invited lecture at Guangzhou Occupational Disease Prevention & Treatment Centre, Guangzhou, China, September 2016.
58. Geiger S, Yao P, Rogers E, Vaughn MG, **Qian Z**. Association between PFOA, PFOS and obesity among children in a nationally representative sample. Council on Hypertension Scientific Sessions, Orlando, FL, September 2016.
59. **Qian Z**. A successful collaboration between Saint Louis University and Wuhan Medical and Health Center for Women and Children, Wuhan, China, October 2016.
60. Gebauer S, Schafer C, Sciarratta C, Xaverius P, Schootman M, **Qian Z**, Hong Xian H. Social Cohesion and Preconception Health Behaviors Among Reproductive-Age Women. 45th Annual North American Primary Care Research Group, Montreal, Canada, November 2017.
61. Lew D, Xian H, **Qian Z**, Vaughn MG. Examining the relationships between life satisfaction and alcohol, tobacco, and marijuana use among school-aged children. APHA 2017 Annual Meeting & EXPO, Atlanta, GA, November 2017.
62. Gebauer S, Sciarratta C, Schafer C, Schootman M, **Qian Z**, Xaverius P, Xian H. Social Cohesion and Preconception Morbidity in a National Sample of Reproductive-Age Women. The Society of Teachers of Family Medicine Annual meeting, Washington DC, May 2018.
63. **Qian Z**. Associations between Ambient $PM_{2.5}$ and Health Outcomes in Six Low- and Middle-Income Countries. National Center for Chronic and Noncommunicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention, Beijing, China. November 7, 2018.
64. Gong J, Yan YQ, **Qian Z**. Time Trends in Incidence of Childhood Leukemia among Urban Wuhan during 1988-2015. Childhood Leukemia International Consortium (CLIC) and International Childhood Cancer Cohort Consortium (I4C) Joint International Symposium, Tokyo, Japan, November 12, 2018.
65. Lew D, Xian H, Loux T, **Qian Z**, Vaughn M. The impact of short sleep duration on five latent classes among adolescents with distinct mental and behavioral health profiles. The APHA's 2019 Annual Meeting and Expo, Philadelphia, PA, November 2-6, 2019.

TEACHING

Course director

Public Health Evaluation of Disasters and Bioterrorism (PHP 527), a 3-credit graduate level course in the Master of Homeland Security in Public Health Preparedness, Penn State College of Medicine, 2005 – present

Principals of Epidemiology (EPI 5000), a 3-credit graduate level course, Saint Louis University College for Public Health and Social Justice, 2011 – 2019

Environmental and Occupational Epidemiology (EPI5500), a 3-credit graduate level course, Saint Louis University College for Public Health and Social Justice, 2013 – 2019, 2024.

Introduction to Epidemiology: Foundations & Practice (EPI4000), a 3-credit undergraduate level course, Saint Louis University College for Public Health and Social Justice, 2020 – present

Capstone in Public Health Practice: Biostatistics and Epidemiology (PUBH5960_03_04), a 3-credit graduate level course, Saint Louis University College for Public Health and Social Justice, 2018 – present

Methodological Approaches to Understanding Population Health (PUBH5030), a 3-credit graduate level course, Saint Louis University College for Public Health and Social Justice, 2020 – 2022

Dissertation Research (PHS6990), one 1-credit graduate level course, Saint Louis University College for Public Health and Social Justice, 2018 – present

Co-instructor

Principles of Epidemiology (HES 550), a three -credit course in the Department of Health Evaluation Sciences, Penn State College of Medicine, 2005 – 2007

Guest-instructor

Epidemiological Methods (HPA 540 and STAT 597), a three-credit course in the Departments of Statistics and Health Policy and Administration, Penn State University, 2006 – 2007

Thesis Committee Member

Vladimir Vukovic, Ph.D., Dept. of Architectural Engineering, the Pennsylvania State University, 2006 – 2010

Elizabeth Stanwyck, Ph.D., Dept. of Mathematics and Statistics, University of Maryland, Baltimore County, 2008 – 2010

Julie Gary, Ph.D., Dept. of Epidemiology, School of Public Health, Saint Louis University, 2011 – 2012

Gorgia Luckey, Ph.D. Dept. of Biostatistics, College for Public Health and Social Justice, Saint Louis University, 2017

Advisor

2003-2005 Medical Student Research (MSR) projects

2010-2011 Graduate students:
Xiaoye Wang and Meera Muthukrishnan

2011-2012 Graduate students:
Carolyn Semar, Maayan Simckes, shahida Bawa, Richard DeClue, Andrew Wiese, Marvin Langston, Salwa Maalouf, Jamaal Parker, Laiji Yang, Asheesh Ray, and Skye Buckner-Petty

2012-2013 Graduate students:
Eugene Rodemich, Karen Gauvain, John Stith, and Erin Riley
Undergraduate students: Lindsay Berman, Esinam Davies, Michelle Filipek, Sarah Love, Jessica Smith, Merhunisa Talovic.

2013-2014 Graduate students:
Patrick Ward, Lindsey Phelps, Antonia Micell, Lori Holtz, Minjun Gao, Ting Xiao, Clary Fang, Yun Liu, Moana Kanel, Samantha Green, Siyu Niu, Kuntal Shah, Zhongyu Li, Zidong Zhang, Kristen Stevens, Jessica Clark

Undergraduate students:
Lindsay Berman, Fsinam Davies, Khalil, Sarah Love, Jessica Smith, Palmer Andrew, Merhunisa Talovic Lu Boning

2014-2015 Graduate students:
Patrick Ward, Katelyn Parrish, John Phillip Pemberton, Jourdan Howard, Minjun Gao, Ting Xiao, Clary Fang, Yun Liu, Moana Kanel, Samantha Green, Siyu Niu, Kuntal Shah, Zhongyu Li, Zidong Zhang, Kristen Stevens, Jessica Clark, Carolyn Schafer, Melissa A. Anandappa, Shruti S. Dharwadkar, Dewonna E. Ferguson, Andrew W. Schroeder, Samantha A. Wasala, Manasa Vemuri, Fei Teng, Katherine Mattews, Rebecca Dick, Elaina Murray, Kahee Mohammed, Shailja Jakhar, Yismaw Hailegiorgis, Richai Burgens, Daniel Fleming

Undergraduate students:
Lindsay Berman, Davies, Esinam I., Merette Khalil, Love, Sarah D., Smith, Jessica E., Andrew Palmer, Talovic, Merhunisa, Boning Lu, Ferguson, Dewonna E., Hasan, Muneeb S., Nolette, Vincent M., Patel, Avni N., Raichur, Shalini S., Sagireddy, Sravani, Vemuri, Manasa, Zhang, Kayla L., Ashlyn Lipnicky

2015-2016 Graduate students:
Katelyn Parrish, John Phillip Pemberton, Shruti S. Dharwadkar, Carolyn R. Schafer, Samantha A. Wasala, Rebecca Dick, Kahee Mohammed, Shailja Jakhar, Yismaw Hailegiorgis, Richai Burgens, Clary Fang, April Li, Siyu Liu, Melissa Anandappa, Savannah Jordan, Andrew Jorn, Becky Brosch, Cai Miao, Shivani Pandya

Undergraduate students:
Lauren G. Anderson, Dewonna E. Ferguson, Muneeb S. Hasan, Rachel M. Neuhalfen, Shivani Pandya, Avni N. Patel, Shruthika R. Pochampally, Shalini S. Raichur, Alishia J. Randle, Sravani Sagireddy, Kayla L. Zhang, Manasa Vemuri

2016-2017 Graduate students:
Katelyn Parrish, John Phillip Pemberton, Savannah Jordan, Georgia Luckey, Shruti S. Dharwadkar, Carolyn R. Schafer, Samantha A. Wasala, Rebecca Dick, Kahee Mohammed, Shailja Jakhar, Yismaw Hailegiorgis, Richai Burgens, Clary Fang, April Li, Siyu Liu, Melissa Anandappa, Andrew Jorn, Becky Brosch, Cai Miao, Shivani Pandya, Jia Sun

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2017-2018 Graduate students:
Clayton Adams, Ruaa Al-Juboori, Asabe Garba, Sunita Manu, Salah Sawsan, Daire Jansson, Xinyin Xin, Savannh Jordan, Jia Sun

Undergraduate students: Maria Bukowska, Leah Burkley, Muneeb Hasan, Ellen Hutti, Abigail Ketema, Brigid Keeley, Avnl Patel, Shallnl Ralchur, Allshia Randle, Sravani Saglreddv, Janvi Patel, Andrew Ruesch

2018-2019 Graduate students:
Clayton Adams, Ruaa Al-Juboori, Asabe Garba, Sunita Manu, Salah Sawsan, Daire Jansson, Xinyin Xin, Morgan LeBaige, Jia Sun

Undergraduate students: Maria Bukowska, Ellen Hutti, Abigail Ketema, Mayur P. Khanna, Avnl Patel, Janvi Patel, Andrew Ruesch, Shalini S. Raichur, Rebecca Rivas-D'amico

2019-2020 Graduate students:
Clayton Adams, Ruaa Al-Juboori, Asabe Garba, Sunita Manu, Salah Sawsan, Daire Jansson, Xinyin Xin, Morgan LeBaige, Ruaa Al-Juboori, Hannah Aaron, Jia Sun

Undergraduate students:
Grace De Cicco, Camila Gonzalez, Muneeb Hasan, Maria Bukowska, Ellen Hutti, Abigail Ketema, Mayur P. Khanna, Roop Patel, Allison Prososki, William Scheipeter, Megan Sobolewski, Janvi Patel, Janvi Patel, Andrew Ruesch, Shalini S. Raichur, Rebecca Rivas-D'amico

2021-2022 Graduate students:
Xiao Li, Samuel Kruger, Elizabeth Bingheim, Christianne Albers, Ronnie Austin, Winnie Basilua, Sabel Bass, Rienna Boyd, Sophia Cantwell, Hira Channa, Sandra Dimitri, Alexis Elliott, Ashley Farmer, Mehdia Hassan, Sree Immanni, Deja Jackson, Kailyn Jacobs, Amy Keith, Avery Lyons, Cheleia Marshall, Madison Martin-Giacalone, Chido Moya, Anisha Patel, Makailya Adeline Pickrell, Maia Troombley, Sydney Grellner,

Undergraduate students:
Shaillie Shah, Rushang Mittal, Sarah Gardner, Christopher Garcia, Rowan Donovan, Anna Bertelsen, Kamryn Carroll, Madelyn Coleman, Bridget Curran, Yesh Dhruva, Grace Decicco, Camila Isabel Gonzalez, Muneeb Hansan, Sophia Kaltsas, Abigail Ketema, Akhil Kumar, Abigail Maloney, Rebecca Rivas-D'Amico, William Scheipeter, Shaillie Dipen Shah, Reethika Veluri

2022-2023 Graduate students:
Niju Khoteja, Chisom Adirka, Navyanth Bhimavarapu, Kimberly Dang, Shilpa Dixit, Venkata Eddula, Edvanio Fernandes, Kaylee Gutzke, Kinjalben Patel, Sarah Poirier, Roghayeh Saadati, Alana Simmons, Sai Thatikonda, Elizabeth Ward, Xiao Li, Samuel Kruger, Christianne Albers, Ronnie Austin, Winnie Basilua, Sabel Bass, Rienna Boyd, Sophia Cantwell, Hira Channa, Sandra Dimitri, Alexis Elliott, Ashley Farmer, Mehdia Hassan, Sree Immanni, Deja Jackson, Kailyn Jacobs, Amy Keith, Avery Lyons, Cheleia Marshall, Madison Martin-Giacalone, Chido Moya, Anisha Patel, Makailya Adeline Pickrell, Maia Troombley, Sydney Grellner, Genevieve Edwards, Senhit Berhane, Kirsten Forrest

Undergraduate students:
Abdulmalik Aro, Ritticka Goyal, Shaillie Shah, Rushang Mittal, Sarah Gardner, Christopher Garcia, Anna Bertelsen, Madelyn Coleman, Yesh Dhruva, Grace Decicco, Abigail Ketema, Akhil Kumar, Abigail Maloney, Reethika Veluri

CURRENT RESEARCH

Center of Excellence in Maternal and Child Health
Education, Research, and Practice 06/2020 – 06/2025
Health Resources & Services Administration (HRSA) $1,780,000
Role: Principal Investigator (PI) and Project Director
Train a diverse study body (non-white and first-generation college student families) in the MCH master's in public health (MPH) program to both address a severe workforce shortage specialty and strengthen capacity to address cultural diversity and health equity and to provide MCH graduate and post-graduate MCH training, with a special focus on region 7 (Missouri, Kansas, Nebraska, and Iowa)