

Assistant Professor Yan YOU

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Academic Qualification

Ph.D in Environmental Sciences, Nankai University, Tianjin, China

MSc in Environmental Sciences, Nankai University, Tianjin, China

BSc in Environmental Sciences, Nankai University, Tianjin, China

Research & Teaching Area

Atmospheric environment; Atmospheric chemistry; Emission inventory; Air quality modeling and forecasting.

Working Experience

- Assistant professor, Macau Environmental Research Institute, Macau University of Science and Technology (MUST) (Sep 2016 -);
- Assistant professor, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences (RCEES) (July 2011- Aug 2016).

Academic Publications (selected)

Books/Edited Volumes

1. Zhipeng Bai, Jun Wang, Yan You, “Environmental Risk Assessment”, High Education Press, Beijing, ISBN: 978-7-04-025339-9, Jan 2009.
2. Chapter “Environmental Modeling” in the teaching book for graduate students named “Implement of Computer Science in the Research of Environmental Science and Engineering”, Chemical Industry Press, Beijing, ISBN 7-5025-6207-9, Jan 2005.

Journal Papers

1. YongmingJu, KairuZhang, TiantianYang, DongyangDeng, JunqinQiao, PuWang, **Yan You**, Ling Du, Guihua Chen, Dorota Kołodyńska, Dionysios D. Dionysiou. The influence of a washing pretreatment containing phosphate anions on single-

- mode microwave-based detoxification of fly ash from municipal solid waste incinerators. *Chemical Engineering Journal*, 387, 1 May 2020, 124053
2. Bin Han *, **Yan You** *, Yating Liu, Jia Xu, Jian Zhou, Jiefeng Zhang, Can Niu, Nan Zhang, Fei He, Xiao Ding, Zhipeng Bai. Inhalation cancer risk estimation of source-specific personal exposure for particulate matter-bound polycyclic aromatic hydrocarbons (PAHs) based on positive matrix factorization. 2019. *Environmental Science and Pollution Research*, 26(10): 10230–10239.
 3. Can Niu, Xiaoyan Shi, Fudong Liu, Kuo Liu, Lijuan Xie, **Yan You***, Hong He*. 2016. High hydrothermal stability of Cu–SAPO-34 catalysts for the NH₃-SCR of No_x. *Chemical Engineering Journal* , 294: 254-263
 4. Can Niu, Xiaoyan Shi, Kuo Liu, **Yan You**, Shaoxin Wang, Hong He. 2016. A novel one-pot synthesized CuCe-SAPO-34 catalyst with high NH₃-SCR activity and H₂O resistance. *Catalysis Communications*, 5: 20-23.
 5. Bin Han, Yating Liu, **Yan You**, Jia Xu, Jian Zhou, Jiefeng Zhang, Can Niu, Nan Zhang, Fei He, Xiao Ding, Zhipeng Bai. 2016. Assessing the inhalation cancer risk of particulate matter bound polycyclic aromatic hydrocarbons (PAHs) for the elderly in a retirement community of a mega city in North China. *Environmental Science and Pollution Research*, 23(20): 20194–20204
 6. Jia Xu, Zhipeng Bai, **Yan You**, Jian Zhou, Jiefeng Zhang, Can Niu, Yating Liu, Nan Zhang, Fei He, Xiao Ding. 2014. Residential indoor and personal PM₁₀ exposures of ambient origin based on chemical components. *Journal of Exposure Science and Environmental Epidemiology*, 24: 428–436.
 7. **Yan You**, Can Niu, Jian Zhou, Yating Liu, Zhipeng Bai*, Jiefeng Zhang, Fei He, Nan Zhang. Measuring Air Exchanges Rates in Different Indoor Environments Using Continuous CO₂ Sensors, *Journal of Environmental Sciences*, 2012, 24(4):6657-64.
 8. Jian Zhou, Bin Han, Zhipeng Bai*, **Yan You**, Jiefeng Zhang, Can Niu, Yating Liu, Nan Zhang, Fei He, Xiao Ding, Bing Lu, Yandi Hu. Particle Exposure Assessment for Community Elderly (PEACE) in Tianjin, China: Mass Concentration Relationships, *Atmospheric Environment*, doi:10.1016/j.atmosenv.2011.12.020
 9. Jian Zhou, **Yan You**, Zhipeng Bai* Yandi Hu, Jiefeng Zhang, Nan Zhang. Health risk assessment of personal inhalation exposure to volatile organic compounds in Tianjin, China. *Science of the Total Environment*, 409 (2011) 452–459
 10. Zhipeng Bai*, Yandi Hu, Huan Yu, Nan Wu, **Yan You**. Quantitative Health Risk Assessment of Inhalation Exposure to Polycyclic Aromatic Hydrocarbons on Citizens in Tianjin, China. *Bulletin of Environmental Contamination and Toxicology*, 2009, 83(2): 151-154.
 11. Zhipeng Bai*, **Yan You**, Xiang Gao. Huan Yu, Li Yan, Tan Zhu. Comparison of Time-Activity Patterns in Different Durations in Tianjin, China, *Epidemiology*, 17(6): S454.
 12. Li Chen, Shiyong Du, Zhipeng Bai*, Shao-fei Kong, **Yan You**, Bin Han, Dao-wen Han, Zhi-yong Li. Application of land use regression to major outdoor air pollutants

- in Jinan, China. Journal of Zhejiang University-SCIENCE A (Applied Physics & Engineering), 2010. 11(11):857-867.
13. Li Chen, Zhipeng Bai*, **Yan You**, Bin Han, Shaofei Kong, Shiyong Du, Aixia Liu. A land use regression for predicting NO₂ and PM₁₀ concentrations in different seasons in Tianjin region, China. Journal of Environmental Sciences-China, 2010, 22(9): 1364-1373.
 14. Lin Peng*, **Yan You**, Zhipeng Bai, Tan Zhu, Yin-chang Feng, Zhiyong Li. Stable Carbon Isotope Evidence for Origin of Atmospheric Polycyclic Aromatic Hydrocarbons in Zhengzhou and Urumchi, China. Geochemical Journal, 2006. 40 (3): 219-226.

Patents

1. Zhipeng Bai, Zongshuang Wang, **Yan You**, Xiao Luo. Preparation Method for Nano-TiO₂ Catalytical Film Material, No. 200510014373.5
2. Zhipeng Bai, Zongshuang Wang, **Yan You**, Xiao Luo. Photocatalytical Reactor, No. 200510014374.X