

Dr. Yanxia Zhang

PUBLICATIONS

14 papers in peer-reviewed journals; 2 conference papers; H-Index: 9

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Publications in peer-reviewed international Journals:

Ya'nán Fan, **Yanxia Zhang***, Fabian Hess, Biao Huang, Zhikun Chen. Nutrient balance and soil changes in plastic greenhouse vegetable production. *Nutrient Cycling in Agroecosystems*. 2020, 117: 77-92.

Yanxia Zhang, Biao Huang*, Clive E. Sabel, Marianne Thomsen, Xiangyun Gao, Ming Zhong, Zhikun Chen, Puyang Feng. Oral intake exposure to phthalates in vegetables produced in plastic greenhouses and its health burden in Shaanxi province, China, *Science of The Total Environment*. 2019, 696, 133921.

Mengmeng Jia, **Yanxia Zhang**, Biao Huang*, Haidong Zhang. Source apportionment of selenium and influence factors on its bioavailability in intensively managed greenhouse soil: A case study in the east bank of the Dianchi Lake, China. *Ecotoxicology and environmental safety*, 2019, 170, 238-245.

Yanxia Zhang, Biao Huang*, Marianne Thomsen, Clive E. Sabel, F. Hess, W. Hu, and K. Tian. One overlooked source of phthalate exposure - oral intake from vegetables produced in plastic greenhouses in China. *Science of The Total Environment*, 2018, 642:1127-1135.

Yanxia Zhang¹, S. Qu¹, J. Zhao, G. Zhu, Y. Zhang, X. Lu, Clive E. Sabel, and Haikun Wang*. Quantifying regional consumption-based health impacts attributable to ambient air pollution in China. *Environment International*, 2018, 112:100-106.

Yanxia Zhang, M. Wang, Biao. Huang*, M. S. Akhtar, W. Hu, and E. Xie. Soil mercury accumulation, spatial distribution and its source identification in an industrial area of the Yangtze Delta, China. *Ecotoxicology and Environmental Safety*, 2018, 163:230-237.

Haikun Wang*, Yanxu Zhang, Hongyan Zhao, Xi Lu*, **Yanxia Zhang**, Chris Nielsen, Weimo Zhu, Xin Li, Qiang Zhang, Jun Bi*. Trade-driven relocation of air pollution and health impacts in China. *Nature communications*, 2017, 8:738.

Wenyou Hu, **Yanxia Zhang**, Biao Huang*, Ying Teng. Soil environmental quality in greenhouse vegetable production systems in eastern China: current status and management strategies. *Chemosphere*, 2017, 170: 183-195.

Ling Ji, Sai Liang, Shen Qu, **Yanxia Zhang**, Ming Xu*, Xiaoping Jia, Yingtao Jia, Dongxiao Niu, Jiahai Yuan, Yong Hou, Haikun Wang, Anthony Chiu, Xiaojun Hu. Greenhouse gas emission factors of purchased electricity from interconnected grids. *Applied Energy*, 2016, 184: 751-758.

Yanxia Zhang, Haikun Wang*, Sai Liang, Ming Xu, Qiang Zhang, Hongyan Zhao, Jun Bi*. A dual strategy for controlling energy consumption and air pollution in China's metropolis of Beijing. *Energy*, 2015, 81: 294-303.

Haikun Wang*, **Yanxia Zhang**, Xi Lu, Chris P. Nielsen, Jun Bi*. Understanding China's carbon dioxide emissions from both production and consumption perspectives. *Renewable and Sustainable Energy Reviews*, 2015, 52: 189-200.

Yanxia Zhang, Haikun Wang*, Sai Liang, Ming Xu, Weidong Liu, Shalang Li, Rongrong Zhang, Chris P. Nielsen, Jun Bi*. Temporal and spatial variations in consumption-based carbon dioxide emissions in China. *Renewable and Sustainable Energy Reviews*, 2014, 40: 60-68.

Wenyou Hu, Biao Huang, Kang Tian, Peter E. Holm, **Yanxia Zhang**. Heavy metals in intensive greenhouse vegetable production systems along Yellow Sea of China: Levels, transfer and health risk. *Chemosphere*, 2017, 167: 82-90.

Wang HS, Wang YX, Liu MM, **Zhang YX**, Zhang RR, Bi J, Wang HK. Mitigating greenhouse gas emissions from China's cities: Case study of Suzhou. *Energy Policy*, 2013, 68: 482-489.

Conference paper:

[1] Haikun Wang, **Yanxia Zhang**, Jun Bi. Various perspectives of mitigating fossil fuel use and air pollutant emissions in China's megacity, AGU Fall Meeting, San Francisco, USA. 2014, 2014.12.15-2014.12.19

[2] **Zhang, Y.**, Chen, Y., Liu, S., Zhang, Y., Zhang, S. Sources and influence approaches analysis of cumulative ecological impacts in an offshore area of Dalian, China, *Bioinformatics and Biomedical Engineering (iCBBE)*, 4th International Conference on. IEEE, 2010, 1-5.