邹建文，男，中国农工民主党党员，江苏兴化人，土壤学和生态学双博士。现任南京农业大学资源与环境科学学院院长，二级教授，博士研究生导师。先后入选教育部新世纪人才计划（2008 年）、江苏省特聘教授（2012 年）、全国中青年科技创新领军人才（2014 年）等人才计划，全国百篇优秀博士学位论文获得者（2007 年）、国家杰出青年科学基金获得者（2012 年）。兼任江苏省低碳农业与温室气体减排重点实验室主任，中国土壤学会青年工作委员会主任，政协江苏省第十一届委员会委员、提案工作委员会委员，中国农工民主党江苏省委员会人资环委员会主任委员等社会职务。

（一）教育经历

2003.8-2007.5 美国莱斯大学(Rice University)生态学专业 **哲学博士（Ph.D）**

导师：Evan Siemann 教授

2000.9-2005.7 南京农业大学资源与环境科学学院土壤学专业 **农学博士**

导师：黄耀教授

（双博士学位说明：2000.9 始攻读南京农业大学硕士学位，2002 年春季硕博连读，提前攻读博士学位，2003 年 8 月-2007 年 5 月赴美留学和从事国际合作研究，2005 年 7 月回国通过南京农业大学土壤学博士学位答辩，研究主题：农田土壤碳氮过程与温室气体排放；2007 年 5 月通过美国莱斯大学生态学专业博士学位答辩，研究主题：外来植物入侵与陆地生态系统碳氮过程）

1989.9-1993.7 江苏农学院（现扬州大学农学院）农学专业 农学学士

（二）工作经历

2013-2014　美国康奈尔-中国唐氏学者（Cornell-China Tang Scholar）

2011.4-2012.6 江苏省东海县人民政府副县长（挂职）

2009.11-迄今 南京农业大学资源与环境科学学院 副院长（分管科研、研究生培养）

2007.5-迄今　南京农业大学资源与环境科学学院 特聘教授、博导

2003.8-2007.5 美国莱斯大学生态与进化生物学系 研究助理(Research Assistant)

1993.8-2000.8 江苏省兴化市农业局良种繁育中心　助理农艺师

（三）科研、教学与人才获奖情况

2014 年 全国中青年科技创新领军人才

2013 年 江苏省科技进步奖(基础研究类)一等奖—“中国农田温室气体排放与减排增汇研究”（排名第二）

2012 年 国家杰出青年科学基金获得者

2012 年 江苏省特聘教授

2011 年 江苏省“333”工程中青年学术带头人

2010 年 《生态学》国家优秀教学团队成员（排名第三）

2009 年 Elsevier “SCOPUS^{TM} 寻找未来科学之星” —全国环境领域十大 “青年科学之星”

2008 年 教育部自然科学二等奖—“农田温室气体排放过程与模型研究”（排名第二）

2008 年 教育部新世纪优秀人才

2007 年 全国优秀博士学位论文

2006 年 江苏省优秀博士学位论文奖

2003-2007 年 美国莱斯大学自然科学类 Wray-Todd Fellowship

（四）学术兼职及服务

江苏省低碳农业与温室气体减排重点实验室主任、学术委员会委员

中国土壤学会第十二届理事会青年工作委员会主任

国务院学位委员会第六届学科评议组（农业资源与环境）秘书

江苏省土壤学会理事兼土壤资源与环境专业委员会主任委员

国家奖、教育部、江苏省科协科技奖励评审专家

南京农业大学环境科学与工程一级重点学科带头人

期刊编委：Scientific Reports 环境科学领域编辑；《资源科学》编委

SCI 期刊审稿: ISME J; Global Change Biology; Environmental Science & Technology; Global Biogeochemical Cycles; Journal of Geophysical Research; Soil Biology & Biochemistry; Biogeoscience; Plant and Soil; Journal of Environmental Quality; Agriculture, Ecosystems & Environment; Geoderma; Atmospheric Environment; Plant Biology; Physiologia Plantarum; Journal of Environmental Management; Science of the Total Environment; Advances in Atmospheric Sciences; Pedosphere 等

中文核心期刊审稿：科学通报、土壤学报、生态学报、环境科学、环境科学学报、农业环境科学学报等

（五）社会兼职

政协江苏省第十一届委员会委员、提案工作委员会委员（2013-）

中国农工民主党第十五次全国代表大会代表（农工党全国十五大代表，2012）

中国农工民主党江苏省第十一次代表大会代表（农工党省十一大代表，2012）

中国农工民主党江苏省委员会人资环委员会主任委员（2015-）

（六）学术成果

主要从事陆地表层碳氮过程与全球变化研究。近年来在陆地生态系统土壤碳氮过程及温室气体排放过程与机制、农田碳氮温室气体排放通量同步原位观测方法学与应用、土壤温室气体排放总量的模型估算及减排对策、以及农业应对气候变化等方面取得了部分创新成果。近年来，在国内外发表学术论文 70 多篇，其中 SCI 论文 50 余篇。参编英文专著 1 部。论文被 SCI 论文引用 1400 次， H-指数为 24）。

主要 SCI 论文（*通讯作者）：

2015

1. Shuwei Liu, Zhiqiang Hu, Shuang Wu, Shuqing Li, Zhaofu Li, **Jianwen Zou***. 2015. Methane and nitrous oxide emissions reduced following conversion of rice paddies to inland crab-fish aquaculture in southeast China. **Environmental Science & Technology**, doi: 10.1021/acs.est5b04343. ($IF_{5\text{-}yr}$=6.326)

2. Shuwei Liu, Yaojun Zhang, Zhiqiang Hu, Shuang Wu, Jie Zhou, Yaguo Jin, **Jianwen Zou***. 2015. Response of soil carbon dioxide fluxes, soil organic carbon and microbial biomass carbon to biochar

amendment: a meta-analysis. **Global Change Biology Bioenergy**, doi: 10.1111/gcbb.12265. ($IF_{5\text{-}yr}$=5.473)

3. Shuwei Liu, Chun Zhao, Yaojun Zhang, Zhiqiang Hu, Cong Wang, Yajie Zong, Ling Zhang,**Jianwen Zou***. 2015. Annual net greenhouse gas balance in a halophyte (*Helianthus tuberosus*) bioenergy cropping system under various soil practices in Southeast China. **Global Change Biology Bioenergy**, 7: 690-703. ($IF_{5\text{-}yr}$=5.473)

4. Jinyang Wang, Cong Wang, Nannan Chen, Zhengqin Xiong, David Wolfe, **Jianwen Zou***. 2015. Response of rice production to elevated [CO_2] and its interaction with rising temperature or nitrogen supply: a meta-analysis. **Climatic Change**, 130: 529-543. ($IF_{5\text{-}yr}$=4.610)

5. Xiaofei Wang, Ling Zhang, Jianwen Zou, **Shuwei Liu***. 2015. Optimizing net greenhouse gas balance of a bioenergy cropping system in southeast China with urease and nitrification inhibitors. **Ecological Engineering**, 83: 191-198. ($IF_{5\text{-}yr}$=3.231)

6. Yaojun Zhang, Feng Lin, Xiaofei Wang, Jianwen Zou, **Shuwei Liu***. 2016. Annual accounting of net greenhouse gas balance response to biochar addition in a coastal saline bioenergy cropping system in China. **Soil & Tillage Research**, 158: 39-48. ($IF_{5\text{-}yr}$=3.308)

7. Zhiqiang Hu, Shuang Wu, Ji Chen, Jianwen Zou, Quansuo Zhou, **Shuwei Liu***. 2015. A comparison of methane emissions following rice paddies conversion to crab-fish farming wetlands in southeast

China. **Environmental Science & Pollution Research**, doi: 10.1007/s11356-015-5383-9. ($IF_{5\text{-}yr}$=2.920)

8. Hong Wang, Xiaochi Ma, Ling Zhang, **Jianwen Zou***, Evan Siemann. 2015. UV-B has larger negative impacts on invasive populations of *Triadica sebifera* but ozone impacts do not vary.**Journal of Plant Ecology**, doi: 10.1093/jpe/rtv045. ($IF_{5\text{-}yr}$=2.850).

9. Bo Yang, Zhaozhi Chen, Man Zhang, Heng Zhang, Xuhui Zhang, Genxing Pan, Jianwen Zou, **Zhengqin Xiong***. 2015. Effects of elevated atmospheric CO_2 concentration and temperature on the soil profile methane distribution and diffusion in rice-wheat rotation system. **Journal of Environmental Sciences-China**, 32: 62-71. ($IF_{5\text{-}yr}$=2.533)

2014

10. Haifeng Zhu, Hua Wang, Yifang Zhu, Jianwen Zou, Fang-Jie Zhao, Chao-Feng Huang. 2014. Genome-wide transcriptomic and phylogenetic analyses reveal distinct aluminum-tolerance mechanisms in the aluminum-accumulating species buckwheat (*Fagopyrum tataricum*). **BMC Plant Biology**, 15: 16. doi: 10.1186/s12870-014-0395-z. ($IF_{5\text{-}yr}$=4.714)

11. Jingyan Jiang, Qin Sun, Linmei Chen, **Jianwen Zou**. 2014. Effects of the herbicides butachlor and bensulfuron-methyl on N_2O emissions

from a dry-seeded rice field. **Nutrient Cycling in Agroecosystems**, 18(3): 345-356. ($IF_{5\text{-}yr}$=1.733)

12. Qingyin Shang, Ning Ling, Xumeng Feng, Xiuxia Yang, Pingping Wu, **Jianwen Zou**, Qirong Shen, Shiwei Guo. 2014. Soil fertility and its significance to crop productivity and sustainability in typical agroecosystem: a summary of long-term fertilizer experiments in China. **Plant and Soil**, 381: 13-23. ($IF_{5\text{-}yr}$=3.528)

13. Shutao Chen, **Jianwen Zou***, Zhenghua Hu, Haishan Chen, Yanyu Lu. 2014. Global annual soil respiration in relation to climate, soil properties and vegetation characteristics: Summary of available data. **Agricultural and Forest Meteorology**, 198: 335-346. ($IF_{5\text{-}yr}$=4.318)

14. Ling Zhang, Yaojun Zhang, **Jianwen Zou***, and Evan Siemann. 2014. Decomposition of *Phragmites australis* litter retarded by invasive *Solidago canadensis* in mixtures: an antagonistic non-additive effect. **Scientific Reports**, 4: 5488. doi: 10.1038/srep05488 ($IF_{5\text{-}yr}$=5.597)

15. Shuwei Liu, Yaojun Zhang, Feng Lin, Ling Zhang, and **Jianwen Zou***. 2014. Methane and nitrous oxide emissions from direct-seeded and seedling-transplanted rice paddies in southeast China. **Plant and Soil**, 374:284-297. ($IF_{5\text{-}yr}$=3.528)

16. Ling Zhang, Hong Wang, **Jianwen Zou***, William E. Rogers, and Evan Siemann. 2014. Non-native plant litter enhances soil carbon dioxide

emissions in an invaded annual grassland. **PLoS ONE** 9(3): e92301. doi:10.1371/journal.pone.0092301. ($IF_{5\text{-}yr}$=3.702)

17. Liying Sun, Yinglie Liu, Jinyang Wang, Mohammad Aslam K. Khalil, **Jianwen Zou**, and Zhengqin Xiong*. 2014. Atmospheric nitrogen and phosphorus deposition at three sites in Nanjing, China, and possible links to nitrogen deposition sources. **Clean-Soil, Air and Water**, doi: 10.1002/clen.201300692. ($IF_{5\text{-}yr}$=2.153)

2013

18. Qiaohui Liu, Yanmei Qin, **Jianwen Zou***, Yanqin Guo, and Zhiliang Gao. 2013. Annual nitrous oxide emissions from open-air and greenhouse vegetable cropping systems in China.**Plant and Soil**, 370: 223-233. ($IF_{5\text{-}yr}$=3.713)

19. Ling Zhang, Yaojun Zhang, Hong Wang, **Jianwen Zou***, and Evan Siemann. 2013. Chinese Tallow Trees (*Triadica sebifera*) from the invasive range outperform those from the native range with an active soil community or phosphorus fertilization. **PLoS ONE** 8(9): e74233. ($IF_{5\text{-}yr}$=4.015)

20. Shutao Chen*, Yao Huang, **Jianwen Zou**, and Yanshu Shi. 2013. Mean residence time of global topsoil organic carbon depends on temperature, precipitation and soil nitrogen. **Global and Planetary Change**, 100: 99-108. ($IF_{5\text{-}yr}$=3.612)

21. Shutao Chen*, Yao Huang, Wei Xie, **Jianwen Zou**, Yanyu Lu, and Zhenghua Hu. 2013. A new estimate of global soil respiration from 1970 to 2008. **Chinese Science Bulletin**, 58: 4153-4160. ($IF_{5\text{-}yr}$=1.421)

2012

22. Shuwei Liu, Ling Zhang, Qiaohui Liu, and **Jianwen Zou***. 2012. Fe(III) fertilization mitigating net global warming potential and greenhouse gas intensity in paddy rice-wheat rotation systems in China. **Environmental Pollution**, 164: 73-80. ($IF_{5\text{-}yr}$=4.306)

23. Shuwei Liu, Ling Zhang, Jingyan Jiang, Nannan Chen, Xiaomei Yang, Zhengqin Xiong, and**Jianwen Zou***. 2012. Methane and nitrous oxide emissions from rice seedling nurseries under flooding and moist irrigation regimes in Southeast China. **Science of the Total Environment**, 426: 166-171. ($IF_{5\text{-}yr}$=4.414)

24. Shutao Chen*, Yao Huang, **Jianwen Zou**, Yanshu Shi, Yanyu Lu, Wen Zhang, and Zhenghua Hu. 2012. Interannual variability in soil respiration from terrestrial ecosystems in China and its response to climate change. **Science China (SER D)-Earth Sciences**, 55: 2091-2098. ($IF_{5\text{-}yr}$=1.548)

2011

25. Qingyin Shang, Xiuxia Yang, Cuimin Gao, Pingping Wu, Jinjian Liu, Yangchun Xu, Qirong Shen, J**ianwen Zou*** and Shiwei Guo. 2011. Net annual global warming potential and greenhouse gas intensity in Chinese double rice-cropping systems: a 3-year measurement in long-term fertilizer experiments. **Global Change Biology**, 17: 2196-2210. ($IF_{5\text{-}yr}$=8.708)

2010

26. Wei Huang, Siemann Evan, Gregory S. Wheeler, **Jianwen Zou**, Juli Carrillo, and Jianqing Ding*. 2010. Resource allocation to defence and growth are driven by different responses to generalist and specialist herbivory in an invasive plant. **Journal of Ecology**, 98: 1157-1167. ($IF_{5\text{-}yr}$=6.314)

27. Shuwei Liu, Yanmei Qin, **Jianwen Zou*** and Qiaohui Liu. 2010. Effects of water regime during rice-growing season on annual direct N_2O emissions in a paddy rice-winter wheat rotation system in southeast China. **Science of the Total Environment**, 408: 906-913. ($IF_{5\text{-}yr}$=3.906)

28. Yi Wang, Wei Huang, Evan Siemann, **Jianwen Zou**, Gregory Wheeler, Juli Carrillo, Jianqing Ding*. 2010. Lower resistance and higher tolerance of host plants: biocontrol agents reach high densities but exert weak control. **Ecological Applications**, 21: 729-738. ($IF_{5\text{-}yr}$=5.508)

29. Jianwen Zou*, Yanyu Lu, Yao Huang. 2010. Estimates of synthetic fertilizer N-induced direct nitrous oxide emission from Chinese croplands during 1980-2000. **Environmental Pollution**, 158: 631-635. ($IF_{5\text{-}yr}$=4.755)

30. Shutao Chen, Yao Huang, **Jianwen Zou***, Qirong Shen, Zhenghua Hua, Yanmei Qin, Haishan Chen, and Genxing Pan. 2010. Modeling interannual variability of global soil respiration from climate and soil properties. **Agricultural and Forest Meteorology**, 150: 590-605. ($IF_{5\text{-}yr}$=4.214)

31. Yanmei Qin, Shuwei Liu, Yanqin Guo, Qiaohui Liu, and **Jianwen Zou***. 2010. Methane and nitrous oxide emissions from organic and conventional rice cropping systems in Southeast China.**Biology and Fertility of Soils**, 46: 825-834. ($IF_{5\text{-}yr}$=3.145)

2009

32. Jianwen Zou*, Yao Huang, Yanmei Qin, Shuwei Liu, Genxing Pan, Qirong Shen, Yanyu Lu and Qiaohui Liu. 2009. Changes in fertilizer-induced direct N_2O emissions from paddy fields during rice growing season in China between 1950s and 1990s. **Global Change Biology**, 15: 229-242. ($IF_{5\text{-}yr}$=8.708)

33. Jianwen Zou*, Shuwei Liu, Yanmei Qin, Genxing Pan and Dawei Zhu. 2009. Sewage irrigation increased methane and nitrous oxide

emissions from rice paddies in southeast China.**Agriculture, Ecosystems & Environment**, 129: 516-522. ($IF_{5\text{-}yr}$=3.987)

34. Jianwen Zou[*], William E. Rogers, and Evan Siemann. 2009. Plasticity of *Sapium sebiferum* seedling growth to light and water resources: Inter- and intraspecific comparisons. **Basic and Applied Ecology**, 10: 79-88. ($IF_{5\text{-}yr}$=2.699)

2008

35. Jianwen Zou[*], William E. Rogers, Saara J. Dewalt, and Evan Siemann. 2008. Decreased resistance and increased tolerance to native herbivores of the invasive plant Sapium sebiferum.**Ecography**, 31: 663-671. ($IF_{5\text{-}yr}$=5.565)

36. Jianwen Zou[*], William E. Rogers, and Evan Siemann. 2008. Increased competitive ability and herbivory tolerance of the invasive plant *Sapium sebiferum*. **Biological Invasions**, 10: 291-302. ($IF_{5\text{-}yr}$=2.876)

37. Xunhua Zheng[*], Baoling Mei, Yinghong Wang, Baohua Xie, Yuesi Wang, Haibo Dong, Hui Xu, Guanxiong Chen, Zucong Cai, Jin Yue, Jiangxin Gu, Fang Su, **Jianwen Zou**, and Jianguo Zhu. 2008. Quantification of N_2O fluxes from soil-plant systems may be biased by the applied gas chromatograph methodology. **Plant and Soil**, 311:211-234. ($IF_{5\text{-}yr}$=3.713)

38. Shutao Chen, Yao Huang, **Jianwen Zou**[*]. 2008. Relationship between nitrous oxide and winter wheat production. **Biology and Fertility of Soils**, 44: 985-989. ($IF_{5\text{-}yr}$=3.145)

2007

39. Jianwen Zou[*], William E. Rogers, and Evan Siemann. 2007. Differences in morphological and physiological traits between native and invasive populations of *Sapium sebiferum*. **Functional Ecology**, 21: 721-730. ($IF_{5\text{-}yr}$=5.278)

40. Jianwen Zou[*], Yao Huang, Xunhua Zheng, and Yuesi Wang. 2007. Quantifying direct N_2O emissions from paddy fields during rice growing season in mainland China: Dependence on water regime. **Atmospheric Environment**, 41: 8030-8042. ($IF_{5\text{-}yr}$=3.780)

41. Wenjuan Sun, Yao Huang[*], Shutao Chen, **Jianwen Zou**, and Xunhua Zheng. 2007. Tissue nitrogen and the corresponding net carbon fixation efficiency under different rates of nitrogen application. **Advances in Atmospheric Sciences**, 24: 55-64. ($IF_{5\text{-}yr}$=1.411)

2006

42. Jianwen Zou[*], William E. Rogers, Saara J. Dewalt, and Evan Siemann. 2006. The effect of Chinese tallow tree (*Sapium sebiferum*)

ecotype on soil-plant system carbon and nitrogen processes. **Oecologia**, 150: 272-281. ($IF_{5\text{-}yr}$=3.617)

43. Lu yanyu, Yao Huang*, and **Jianwen Zou**. 2006. An inventory of N_2O emissions from agriculture in China using precipitation-rectified emission factor and background emission.**Chemosphere**, 65: 1915-1924. ($IF_{5\text{-}yr}$=3.867)

2005

44. Jianwen Zou*, Yao Huang, Yanyu Lu, Xunhua Zheng, and Yuesi Wang. 2005. Direct emission factor for N_2O from rice-winter wheat rotation systems in southeast China. **Atmospheric Environment**, 39: 4755-4765. ($IF_{5\text{-}yr}$=3.797)

45. Jianwen Zou*, Yao Huang, Jingyan Jiang, Xunhua Zheng, and Ronald L. Sass. 2005. A 3-year field measurement of CH_4 and N_2O emissions from rice paddies in China: Effects of water regime, crop residue and fertilizer application. **Global Biogeochemical Cycles**, 19(2): GB2021.2004GB002401. ($IF_{5\text{-}yr}$=5.373)

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2004

47. Yao Huang*, **Jianwen Zou**, Xunhua Zheng, Yuesi Wang and Xingkai Xu. 2004. Nitrous oxide emissions as influenced by amendment of plant residues with different C:N ratios. **Soil Biology & Biochemistry**, 36: 973-981. ($IF_{5\text{-}yr}$=4.953)

48. Jianwen Zou, Yao Huang*, Xunhua Zheng, Yuesi Wang, and Yuquan Chen. 2004. Static opaque chamber-based technique for determination of net exchange of CO_2 between terrestrial ecosystem and atmosphere. **Chinese Science Bulletin**, 49 (4): 381-388. ($IF_{5\text{-}yr}$=1.519)

49. Jianwen Zou, Yao Huang*, Lianggang Zong, Xunhua Zheng and Yuesi Wang. 2004. Carbon dioxide, nitrous oxide and methane emissions from rice-winter wheat rotation system as affected by crop residue incorporation and temperature. **Advances in Atmospheric Sciences**, 21: 691-698. ($IF_{5\text{-}yr}$=1.582)

Book Chapters

Zou J., Y. Huang, Y. Lu (2009) Quantifying direct N_2O emissions from paddy fields during rice growing season in mainland China in 1980s and 1990s. In: S. N. Singh (eds.) **Crop Production and Global Change**. Elsevier Press.