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浙江农林大学环境与资源学院博士生导师傅伟军教授 (图)

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[作者] 浙江农林大学环境与资源学院

[单位] 浙江农林大学环境与资源学院

[摘要] 傅伟军, 男, 教授, 博士生导师。2009年11月获得爱尔兰国立戈尔威大学自然地理博士学位。目前主要研究领域包括亚热带森林土壤有机碳空间异质性、土壤-植物系统重金属时空变异及风险评价等。主持国家自然科学基金和国家重点研发子课题2项、浙江省自然科学基金和浙江省科技科技创新团队项目2项、青年教师创新团队项目1项、地方政府横向课题10项; 参与国家自然科学基金、浙江科技厅、浙江林业厅、及教学改革项目十余项; 是国家自然科学基金和匈...

[关键词] 傅伟军 浙江农林大学环境与资源学院 博士生导师 教授 亚热带森林土壤



傅伟军, 男, 教授, 博士生导师。2009年11月获得爱尔兰国立戈尔威大学自然地理博士学位。目前主要研究领域包括亚热带森林土壤有机碳空间异质性、土壤-植物系统重金属时空变异及风险评价等。主持国家自然科学基金和国家重点研发子课题2项、浙江省自然科学基金和浙江省科技科技创新团队项目2项、青年教师创新团队项目1项、地方政府横向课题10项; 参与国家自然科学基金、浙江科技厅、浙江林业厅、及教学改革项目十余项; 是国家自然科学基金和匈牙利国家基础研究基金项目的通讯评审专家, 也是国家留学基金委的评审专家, 担任SCI期刊International Journal of Experimental Botany副主编 (Associate Editor), 是Science of the Total Environment, Chemosphere, Catena等数十种SCI期刊的审稿专家。在《Geoderma》《Soil and Tillage Research》《Forest Ecology and Management》《Science of the Total Environment》《Journal of Environmental Management》《Biogeosciences》《Journal of Hazardous Materials》《Catena》《Precision Agriculture》《European Journal of Forest Research》《Journal of Geochemical Exploration》《Environmental Science and Pollution Research》、《环境科学》、《中国环境科学》、《土壤学报》、《应用生态学报》、《林业科学》、《生态学报》等发表文章52篇, 其中SCI收录40篇, 入选ESI高被引论文4篇。

教学工作: (主要讲授的研究生、本科生课程等)

讲授的研究生课程有《专业英语》和《资源信息技术》; 本科生课程有《试验设计与统计》、《专业英语》和《环境与资源信息技术》。

近五年主持和参与的科研项目:

- 17、路桥区耕地土壤环境质量补充调查技术方案编制及成果汇总政府委托项目2020-2021 主持
- 16、以草抑草法管理果园杂草技术研究 世界银行贷款浙江千岛湖及新安江水资源与生态保护项目 2020-2023 主持
- 15、晚稻-绿肥轮作制度下的化肥减施体系研究 世界银行贷款浙江千岛湖及新安江水资源与生态保护项目 2020-2023 主持
- 14、山核桃林地土壤有机碳空间异质性及其稳定性特征解析 浙江省自然科学基金 2020-2022 主持
- 13、清凉峰镇受污染耕地修复与安舍利用试验示范 地方政府项目 2019-2020 主持
- 12、浙江清凉峰国家级自然保护区森林土壤资源调查编研 清凉峰国家自然保护区项目 2019-2021 主持
- 11、浙江特色干果林生态碳汇功能评估 浙江省生态中心委托项目 2019-2020 主持
- 10、峰江街道农用地土壤污染及农产品安全调查质量控制项目 政府委托项目 2018-2019 主持
- 9、珠三角镉和氮磷面源污染控制适用技术集成与模式构建 国家重点研发子课题2017-2020. 主持
- 8、电子垃圾拆解区重金属污染的时间、空间、食物链传递三维尺度效应, 国家自然科学基金青年基金, 2013-2015 主持

研招资料 20篇

[中国农业大学2020年硕士生入学考...](#)
[东北林业大学林学院2020年硕士研...](#)
[东北林业大学林学院2020年硕士研...](#)
[南京林业大学2017年硕士研究生入...](#)
[中国林业科学研究院2018年硕士研...](#)

会议中心 8篇

[关于召开全国森林土壤专业委员会...](#)
[第十届国际森林土壤学大会\(第一...](#)
[关于召开“林业与草原土壤演化、...](#)
[中国林学会关于召开盐碱地分会...](#)
[2016年国际林联亚洲和大洋洲地区...](#)

- 7、山核桃对产地环境质量的空間响应及其适生环境机制，国家自然科学基金，2013-2015排第二
- 6、不同土地利用方式对亚热带森林土壤碳库构成及CO₂通量的影响，国家自然科学基金，2012-2015，排第二
- 5、浙江省森林碳储空间规律及影响因子研究 浙江省科技创新团队子项目 2012-2015 主持
- 4、典型亚热带森林生态系统碳储空间变异及定量评测模型 2013-2016主持
- 3、浙江省森林土壤有机碳分布研究浙江林业厅项目 2013 主持
- 2、环境质量与农产品安全创新团队青年教师创新团队 2010-2014 主持
- 1、土壤养分采集方案的优化研究 校人才启动 2011-2013 主持

近年来发表的主要论文：

52.张璐瑶, 赵科理, 傅伟军* (通讯作者), 2021.电子垃圾拆解区土壤-农作物系统中镉元素的空间分布特征及其风险评价.环境科学 (In Press, EI期刊)

51.Jiaqi Dong, Kangning Zhou, Peikun Jiang,Jiasen Wu,Weijun Fu*(Corresponding Author),2021. Revealing vertical and horizontal variation of soil organic carbon, soil total nitrogen and C:N ratio in subtropical forests of southeastern China.Journal of Environmental Management. 112483(SCI TOP期刊)

50.Luyao Zhang,Minghua Zhang, Keli Zhao,Weijun Fu*(Corresponding Author).2021. Spatial distribution of heavy metals and their potential risk for human health in a typical e-waste dismantling area of southeastern China. Environmental Technology and Innovation.

49. Kangning Zhou, Yingying Zhang, Zhengqian Ye, Chunying Dou, Zihao Ye,Weijun Fu*(Corresponding Author).2021.Fertilizer application could improve the Zn and Cd accumulation ofSedum alfrediiHance. Phyton-International Journal of Experimental Botany.(Online SCI期刊)

48.Keli Zhao, Luyao Zhang, Jiaqi Dong, Jiasen Wu, Zhengqian Ye, Weiming Zhao, Lizhong Ding,Weijun Fu*(Corresponding Author).2020. Risk assessment, spatial patterns and source apportionment of soil heavy metals in a typical Chinese hickory plantation region of southeastern China.Geoderma, 360: 114011. (SCI,中科院一区TOP期刊, ESI高被引论文)

47.Haibo Wang, Jin Jin,Weijun Fu*(Corresponding Author), Liam Morrison, Haiping Lin, Xiufeng Zhou, Yulong Lv, Jiasen Wu. 2020. Converting evergreen broad-leaved forests into tea and Moso bamboo plantations affects labile carbon pools and the chemical composition of soil organic carbon.Science of the total Environment.135225. (SCI,中科院二区TOP期刊)

46.An Shi, Yangfeng Shao, Keli Zhao,Weijun Fu. 2020.Long-term effect of E-waste dismantling activities on the heavy metals pollution in paddy soils of southeastern China.Science of the Total Environment. 705: 135971.

45.Keli Zhao,Weijun Fu*(Corresponding Author),Qiaozhen Qiu, Zhengqian Ye, Yongfu Li, Hubert Tunney, Chunyin Dou, Kangning Zhou, Xinbiao Qian. 2019.Spatial patterns ofpotentially hazardous metals in paddy soils in a typical electrical waste dismantling area and their pollution characteristics.Geoderma.337: 453-462 (SCI,中科院一区TOP期刊, ESI高被引论文)

44.Jiasen Wu, Haiping Lin, Lianhua Guo, Jiaqi Dong, Luyao Zhang,Weijun Fu*(Corresponding Author). 2019. Biomass and nutrients variation of Chinese fir rooted cuttings under conventional and exponential fertilization regimes of nitrogen.Forests.10, 615. (SCI,中科院二区)

43.Shiying Yu, Zhoulun Chen, Keli Zhao*, Zhengqian Ye, Luyao Zhang, Jiaqi Dong, Yangfeng Shao, Chaosheng Zhang,Weijun Fu*(Corresponding Author). 2019.Spatialpatternsofpotentially hazardousmetals insoils ofLin' an City, Southeastern China.International Journal of Environmental Research and Public Health. 16:246,(SCI,中科院三区)

42. Zheyao Yu, Jiaqi Dong,Weijun Fu,Zhengqian Ye, Wanyi Li, Keli Zhao. 2019. The Transfer Characteristics of Potentially Toxic Trace Elements in Different Soil-Rice Systems and Their Quantitative Models in Southeastern China.International Journal of Environmental Research and Public Health. 16: 2503 (SCI,中科院三区)

41. Weifeng, Wu, Haiping Lin, Weijun Fu, Petri Penttinen, Yongfu Li, Jin, Jin, Keli Zhao, Jiasen, Wu. 2019. Soil organic carbon content and microbial functional diversity were lower in monospecific Chinese hickory stands than in natural Chinese hickory-broad-leaved mixed forests. *Forests*. 10, 357. (SCI, 中科院二区)
40. Ziwen Lin, Chunying Dou, Yongfu Li, Hailong Wang, Nabeel Khan Niazi, Dan Liu, Keli Zhao, Weijun Fu, Yongchun Li, Zhengqian Ye. 2020. Nitrogen fertilizer enhances zinc and cadmium uptake by hyperaccumulator *Sedum alfredii* Hance. *Journal of Soils and Sediments*. 20: 320-329. (SCI, 中科院三区)
39. Xiaolin Sun, Huili Wang, Forrissyal Dermot, Weijun Fu, Tunney Hubert, Chaosheng Zhang. 2019. Limited Spatial Transferability of the Relationships Between Kriging Variance and Soil Sampling Spacing in Some Grasslands of Ireland: Implications for Sampling Design. *Pedosphere*, 29(5): 577-589. (SCI, 中科院二区)
38. Wei Dai, Yuhuan Li, Weijun Fu* (Corresponding Author), Peikun Jiang, Keli Zhao, Yongfu Li, Petri Penttinen. 2018. Spatial variability of soil nutrients in forest areas: a case study from subtropical China. *Journal of Plant Nutrition and Soil Science*. 181: 827-835. (SCI, 中科院二区)
37. Wei Dai, Keli Zhao, Weijun Fu* (Corresponding Author), Peikun Jiang, Yongfu Li, Chaosheng Zhang, Gerty Gielen, Xue Gong, Yuhuan Li, Hailong Wang, Jiasen Wu. 2018. Spatial variation of organic carbon density in topsoils of a typical subtropical forest, southeastern China. *Catena*. 167: 181-189. (SCI, 中科院一区TOP期刊)
36. Wei Dai, Weijun Fu* (Corresponding Author), Peikun Jiang, Keli Zhao, Yuhuan Li, Jixing Tao. 2018. Spatial pattern of carbon stocks in forest ecosystems of a typical subtropical region of southeastern China. *Forest Ecology and Management*. 409: 288-297. (SCI, 中科院一区TOP期刊; ESI高被引论文)
35. Ziwen Lin, Yongfu Li, Caixian Tang, Yu Luo, Weijun Fu, Xiaoqing Cai, Yongchun Li, Peikun Jiang, Shuidong Hu, Scott X. Chang. 2018. Converting natural evergreen broadleaf forests to intensively managed moso bamboo plantations affects the pool size and stability of soil organic carbon and enzyme activities. *Biology and Fertility of Soils*. (中科院一区TOP期刊)
34. Xiaoqing Cai, Ziwen Lin, Petri Penttinen, Yongfu Li, Yongchun Li, Yu Luo, Tian Yue, Peikun Jiang, Weijun Fu. 2018. Effects of conversion from a natural evergreen broadleaf forest to a Moso bamboo plantation on the soil nutrient pools, microbial biomass and enzyme activities in a subtropical area. *Forest Ecology and Management*. 422: 161-171. (中科院一区TOP期刊)
33. Shuidong Hu, Yongfu Li, Scott X. Chang, Yongchun Li, Wenjia Yang, Weijun Fu, Juan Liu, Peikun Jiang, Ziwen Lin. 2018. Soil autotrophic and heterotrophic respiration respond differently to land-use change and variations in environmental factors. *Agricultural and Forest Meteorology*. 250-251: 290-298. (中科院一区TOP期刊)
32. Yongfu Li, Shuidong Hu, Junhui Chen, Karin Muller, Yongchun Li, Weijun Fu, Ziwen Lin, Hailong Wang. 2018. Effects of biochar application in forest ecosystems on soil properties and greenhouse gas emissions: a review. *Journal of Soils and Sediments*. 18: 546-563. (SCI, 中科院三区, ESI高被引论文)
31. 郑晴之, 王楚栋, 王诗涵, 林于也, 赵科理, 吴东涛, 傅伟军* (通讯作者). 2018. 典型小城市土壤重金属空间异质性及其风险评价: 以临安市为例. *环境科学*. 39: 2875-2883. (EI)
30. 戴巍, 赵科理, 高智群, 刘康华, 张峰, 傅伟军* (通讯作者). 2017. 典型亚热带森林生态系统碳密度及储量空间变异特征. *生态学报*, 37(22): 7528-7538. (浙大一级)
29. Xianghua Fang, Jinchang Zhang, Miaoqing Meng, Xiaoping Guo, Yanwen Wu, Xin Liu, Keli Zhao, Lizhong Ding, Yangfeng Shao, Weijun Fu* (Corresponding Author). 2017. Forest-type shift and subsequent intensive management affected soil organic carbon and microbial community in southeastern China. *European Journal of Forest Research*. 136: 689-697. (SCI, 中科院二区)
28. 张金林, 傅伟军, 周秀峰, 尹帅, 吴家森, 姜培坤. 2017. 典型麻竹林土壤植硅体碳的空间异质性特征. *土壤学报*, 54(5): 1147-1156. (浙大一级)
27. Meng Yang, Yongfu Li, Yongchun Li, Scott X. Chang, Tian Yue, Weijun Fu, Peikun Jiang, Guomo Zhou. 2017. Effects of Inorganic and Organic Fertilizers on Soil CO₂ Efflux and Labile Organic Carbon Pools in an

Intensively Managed Moso Bamboo (*Phyllostachys pubescens*) Plantation in Subtropical China. *Communications in soil science and plant analysis*.48(3): 332-344. (SCI, 四区)

26. Weijun Fu, Keli Zhao, Chaosheng Zhang, Jiasen Wu, Hubert Tunney. 2016. Outlier identification of soil phosphorus and its implication for spatial structure modeling. *Precision Agriculture*.17:121-135. (SCI, 中科院一区TOP期刊)

25. 赵科理, 傅伟军* (通讯作者), 叶正钱, 戴巍. 2016. 电子垃圾拆解区土壤重金属空间异质性及分布特征. *环境科学*, 37(8):3151-3159. (EI)

24. Zhiquan Gao, Weijun Fu* (Corresponding Author), Meijian Zhang et al. 2016. Potentially hazardous metals contamination in soil-rice system and its spatial variation in Shengzhou city, China. *Journal of Geochemical Exploration*.167:62-69. (SCI, 中科院二区)

23. 赵科理, 傅伟军* (通讯作者), 戴巍等. 2016. 浙江省典型水稻产区土壤-水稻系统重金属迁移特征及定量模型. *中国生态农业学报*. 24(2), 226-234. (北大核心)

22. 高智群, 张美剑, 赵科理, 傅伟军* (通讯作者), 高伟. 2016. 土壤-水稻系统重金属空间异质性研究——以浙江省嵊州市为例. *中国环境科学*, 36(1), 215-224. (EI)

21. Weijun Fu, Zhuojing Fu, Hongli Ge, et al., 2015. Spatial variation of biomass carbon density in a subtropical region of southeastern China. *Forests*.6, 1966-1981. (SCI, 中科院二区)

20. Keli Zhao, Weijun Fu* (Corresponding Author), Zhengqian Ye, Chaosheng Zhang. 2015. Contamination and spatial variation of heavy metals in the soil-rice system in Nanxun County, southeastern China. *International Journal of Environmental Research and Public Health*. 12, 1577-1594. (SCI, 中科院三区)

19. Wenbo Yan, Qaisar Mahmood, Danli Peng, Weijun Fu et al., 2015. The spatial distribution pattern of heavy metals and risk assessment of moso bamboo forest soil around lead-zinc mine in southeastern China. *Soil & Tillage Research*. 153: 120-130 (SCI). (中科院一区TOP期刊)

18. Keli Zhao, Weijun Fu* (Corresponding Author), Xingmei Liu, Chaosheng Zhang, Zhengqian Ye, Jianming Xu. 2014. Spatial variations of concentrations of Copper and its speciation in the soil-rice system in Wenling of southeastern China. *Environmental Science and Pollution Research*.21 (11):7165-7176. (SCI, 中科院三区)

17. Weijun Fu, Peikun Jiang, Guomo Zhou, Keli Zhao. 2014. Using Moran's I and GIS to study spatial pattern of forest litter carbon density in typical subtropical region, China. *Biogeosciences*11, 2401-2409 (SCI, 中科院二区)

16. Weijun Fu, Zhuojing Fu, Keli Zhao et al., 2014. Variation of soil P and other nutrients in a long-term grazed grassland P experiment field. *Archives of Agronomy and soil science*. 60(10): 1459-1466. (SCI, 中科院二区)

15. Weijun Fu, Peikun Jiang, Keli Zhao, Guomo Zhou, Yongfu Li, Jiasen Wu, Huaqiang Du, 2014. The carbon storage in moso bamboo plantation and its spatial variation in Anji County of southeastern China. *Journal of soils and sediments*14(2): 320-329. (SCI, 中科院三区)

14. Jiasen Wu, Haiping Lin, Cifu Meng, Peikun Jiang, Weijun Fu* (Corresponding Author). 2014. Effects of intercropping grasses on soil organic carbon and microbial community functional diversity under Chinese hickory (*Carya cathayensis* Sarg.) stands. *Soil Research*.52(6): 575-583. (SCI, 中科院四区)

13. Yongchun Li, Burong Liu, Songhao Li, Hua Qin, Weijun Fu, Qiufang Xu. 2014. Shift in abundance and structure of soil ammonia-oxidizing bacteria and archaea communities associated with four typical forest vegetations in subtropical region. *Journal of soils and Sediments*.14(9): 1577-1586. (SCI, 中科院三区)

12. 黄中秋, 傅伟军, 周国模等, 2014. 浙江省森林土壤有机碳密度空间变异特征及其影响因素, *土壤学报*, 51(4): 906-913. (浙大一级)

11. 张佳佳, 傅伟军, 杜群, 张国江, 姜培坤, 2014. 浙江省森林凋落物碳密度空间变异特征. *林业科学*, 50(2): 8-13. (EI)

10. Weijun Fu, Keli Zhao, Hubert Tunney, Chaosheng Zhang, 2013. Using GIS and Geostatistics to Optimize Soil Phosphorus and Magnesium Sampling in Temperate Grassland. *Soil Science*178 (5): 240-247. (SCI, 中科院三

区)

9. Weijun Fu, Keli Zhao, Peikun Jiang, Zhengqian Ye, Hubert Tunney, Chaosheng Zhang, 2013. Field-scale variability of soil test phosphorus and other nutrients in grasslands under long-term agricultural managements. *Australian Journal of Soil Research (Soil Research)*, 51: 503-512. (SCI, 中科院四区)

8. 张佳佳, 傅伟军, 杜群, 张国江, 姜培坤, 2013. 地形和采样数量对浙江省森林凋落物碳密度插值精度的影响. *应用生态学报*, 24(8): 2241-2247. (浙大一级)

7. 张佳佳, 傅伟军, 杜群, 张国江, 姜培坤, 2013. 浙江省森林凋落物碳密度空间分布的影响因素. *浙江农林大学学报*, 30(6): 814-820. (北大核心)

6. Dingding Shao, Shengchun Wu, Peng Liang, Yuan Kang, Weijun Fu, Keli Zhao, Zhihong Cao, MingHong Wong, 2012. A human health risk assessment of mercury species in soil and food around compact fluorescent lamp factories in Zhejiang Province, PR China. *Journal of Hazardous Materials*. 221-222: 28-34. (SCI) (中科院一区TOP期刊)

5. 张峰, 杜群, 葛宏立, 刘安兴, 傅伟军, 碧勇, 2012. 基于地统计学和CFI样地的浙江省森林碳空间分布研究. *生态学报*, 第32卷, 第16期, 5275-5286页 (浙大一级)

4. Weijun Fu, Keli Zhao, Hubert Tunney, Chaosheng Zhang, 2011. Using Moran's I and geostatistics to identify spatial patterns of soil nutrients in two different long-term phosphorus application plots. *Journal of Plant Nutrition and Soil Science*. 174, 785-798. (SCI, 中科院二区)

3. Weijun Fu, Hubert Tunney, Chaosheng Zhang, 2010. Spatial variation of soil nutrients in a dairy farm and its implications for site-specific fertilizer application. *Soil & Tillage Research*. 106: 185-193. (中科院一区TOP期刊)

2. Hubert Tunney, Weijun Fu, Kirwan Laura, Culleton Noel, 2010. Long term phosphorus grassland experiment for beef production—Impact on soil phosphorus levels and animal liveweight gains. *Soil Use and Management*. 26: 237-244 (SCI, 中科院二区)

1. Weijun Fu, Hubert Tunney, Chaosheng Zhang, 2010. Spatial variation of soil test phosphorus in a long-term grazed experimental grassland field. *Journal of Plant Nutrition and Soil Science*. 173: 323-331 (SCI, 中科院二区)

获得的奖励:

7. 2020.12月, 荣获第四届浙江农林大学“研究生优秀导学团队”。(1/1)

6. 2020.11月, 指导学生“典型香榧产区土壤养分与重金属空间异质性及其风险评价”获第三届浙江省大学生生态环境科技创新大赛一等奖。(1/1)

5. 浙江农林大学2019-2020年度“育人奖”先进个人, 2020.06, (1/1)

4. 2018年6月, 指导本科生毕业论文“典型小城市土壤重金属空间异质性及其风险评价——以临安市为例”获评浙江农林大学校级优秀毕业论文

3. 2018年6月, 指导研究生毕业论文“浙江省森林生态系统碳密度及储量空间变异特征研究”获评浙江农林大学学术硕士优秀硕士论文。

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联系方式: (办公电话、电子邮箱等)

Office Tel: 0571-61081397; E-mail: fuweijun@zafu.edu.cn

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Email: leisun@firstlight.cn