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研究方向：草地生态与草地管理，草地生物多样性与生态系统功能，土壤环境与土壤污染修复

讲授课程：本科生草地生态学、学科导论（双语）、草地资源管理与利用，硕博士草地资源利用与管理、牧草生物学技术研究方法等

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学习经历

2010.09-2013.02，德国基尔大学，草地科学专业，理学博士学位

2006.09-2009.05，中国科学院植物研究所，生态学专业，理学硕士学位

2005.03-2006.05，北京大学生命科学学院，生态学专业，交换生

2002.09-2006.05，内蒙古农业大学，水土保持与荒漠化防治专业，理学学士学位

工作经历

2017.12-至今, 南京农业大学草业学院, 副教授

2015.04-2017.12, 南京农业大学草业学院, 讲师

2013.02-2014.09, 德国基尔大学, 草地科学与植物营养, 博士后

荣誉及称号

2010-2013 年, 德国 DFG 全额奖学金

研究项目

1. 国家自然科学基金青年项目, 31700389, 调控物种种内和种间相互作用对混播草地生产力和多样性的影响, 2018/01-2020/12, 25 万, 在研, 主持

2. 国家自然科学基金重点项目, 31830092, 放牧草地植物多样性形成与维持机制, 2019/01-2023/12, 273 万, 在研, 合作主持

3. 江苏省基础研究计划(自然科学基金)青年基金项目, BK20160738, 物种斑块化分布格局对人工草地生产力和稳定性的影响, 2016/07-2019/06, 20 万, 在研, 主持

4. 国土资源部横向项目, 沿江典型区农业用地镉污染调查评价和修复, 720HY0012, 2018/05-2019/05, 20 万, 在研, 主持

5. 中央高校基本科研业务费青年项目, KYZZ201672, 物种板块化分布对南方草地生产力的影响, 2017/01-2019/12, 20 万元, 在研, 主持

6. 德国 DFG(Deutsche Forschungsgemeinschaft) 科学基金项目, LotGrass 第一课题, 本地豆科物种重建对草地生产力恢复的影响, 2013/01-2014/09, 3.6 万欧元, 已结题, 主持

7. 德国 DFG(Deutsche Forschungsgemeinschaft) 中德合作项目, LotGrass 第一课题, 半干旱区草地生产力提高的可持续性策略, 2010/01-2012/12, 30 万欧元, 已结题, 参加

学术论文

1、 **Haiyan Ren**, Valerie T. Eviner, Weiyang Gui, Gail W. T. Wilson,

Adam B. Cobb, Gaowen Yang, Yingjun Zhang, Shuijin Hu*, Yongfei Bai*. Livestock grazing regulates ecosystem multifunctionality in semi-arid grassland. *Functional Ecology*, 2018, :1-11 IF: 5.82

2、 Weiyang Gui, **Haiyan Ren**, Nan Liu, Yingjun Zhang, Gail W. T. Wilson, Adam B. Cobb, Xiao Sun, Jian Hu, Yan Xiao, Fengge Zhang, Gaowen Yang. Plant functional group influences arbuscular mycorrhizal fungal abundance and hyphal contribution to soil CO₂ efflux in temperate grasslands. *Plant and Soil*, 2018, 28:1-14

IF: 3.74

3、 **Haiyan Ren**, Weiyang Gui, Yongfei Bai, Claudia Stein, Jorge L. M. Rodrigues, Gail W. T. Wilson, Adam B. Cobb, Yingjun Zhang, Gaowen Yang. Long-term effects of grazing and topography on extra-radical hyphae of arbuscular mycorrhizal fungi in semi-arid grasslands. *Mycorrhiza*, 2018, 28:117-127 IF: 3.32

4、 **Haiyan Ren**, Jian Hu, Yifei Hu, Gaowen Yang. Divergence of compost extract and bio-organic manure effects on lucerne plant and soil. *PeerJ* 5:e3775; DOI 10.7717/peer J.3775, 2017 IF: 2.35

5、 **Haiyan Ren**, Friedhelm Taube, Claudia Stein, Yingjun Zhang, Yongfei Bai, Shuijin Hu. Grazing weakens temporal stabilizing effects of diversity in the Eurasian steppe. *Ecology and Evolution*, 2017, 8: 231-241 IF: 2.72

6、 **Haiyan Ren**, Tao Gao, Jian Hu, Gaowen Yang. The effects of arbuscular mycorrhizal fungi and root interaction on the competition between *Trifolium repens* and *Lolium perenne*. *PeerJ* 5:e4183; DOI 10.7717/peerj.4183, 2017 IF: 2.35

7、 **Ren Haiyan***, Han Guodong*, Lan Zhichun, Wan Hong Wei,

Schoenbach Philipp, Gierus Martin, Taube Friedhelm, Grazing effects on herbage nutritive values depend on precipitation and growing season in Inner Mongolian grassland, *Journal of Plant Ecology*, 2016, 9(6): 712-723 IF: 2.52

8、 **Ren Haiyan***, Han Guodong*, Schoenbach Philipp, Gierus Martin, Taube Friedhelm, Forage nutritional characteristics and yield dynamics in a grazed semiarid steppe ecosystem of Inner Mongolia, China, *Ecological Indicators*, 2016, 60: 460-469 IF: 3.65

9、 **Ren Haiyan***, Han Guodong*, Ohm Magdalena, Schoenbach Philipp, Gierus Martin, Taube Friedhelm, Do sheep grazing patterns affect ecosystem functioning in steppe grassland ecosystems in Inner Mongolia?, *Agriculture Ecosystems & Environment*, 2015, 213: 1-10 IF: 4.68

10、 **Ren Haiyan***, Schoenbach Philipp, Wan Hongwei, Gierus Martin, Taube Friedhelm, Effects of grazing intensity and environmental factors on species composition and diversity in typical steppe of Inner Mongolia, China, *PLoS One*, 2012, 7(12): e52180 IF: 3.39

11、 Zheng Shuxia*#, **Ren Haiyan#**, Li Wenhui, Lan Zhichun, Scale-Dependent Effects of Grazing on Plant C: N: P Stoichiometry and Linkages to Ecosystem Functioning in the Inner Mongolia Grassland, *PloS One*, 2012, 7(12): e51750 IF: 3.39

12、 Hu, J., Yang, JY., Lie, J., Gao, T., Yang, GW., **Ren, HY.*** First report of *Drechslera andersenii* causing leaf spot on Perennial ryegrass in Jiangsu China. *Plant Disease*, 2018: PDIS-07-17-1-85-PDN. IF: 3.45

13、 Hu, J., Yang, JY., Lie, J., Gao, T., Yang, GW., **Ren, HY.** First report of *Ustilago avenae* causing loose smut of oat (*Avena sativa*) in

- Shandong China. Journal of Plant Pathology, 2018: 100:123. IF: 1.26
- 14、Hu, J., Yang, JY., Lie, J., Gao, T., **Ren, HY.**, Yang, GW. First Report of Rust on Perennial Ryegrass Caused by Puccinia coronata in Jiangsu, China. Plant Disease, 2017: PDIS-07-17-0977-PDN. IF: 3.45
- 15、Hu, J., **Ren, HY.** Gao, T., Yang, JY., Lie, J., Yang, GW., First report of Fusarium patch on Festuca arundinacea caused by Fusarium incarnatum-equiseti species complex (FIESC 1) in China. Plant Disease, 2017: PDIS-08-17-1309-PDN. IF: 3.45
- 16、Hu Jian, Deng Shaojun, Gao Tao, Lamour Kurt, Liu Xili, **Ren Haiyan.** Thiophanate-methyl resistance in Sclerotinia homoeocarpa from golf courses in China, Pesticide Biochemistry and Physiology, 2018, 152:84-89. IF: 3.32
- 17、Zheng Shuxia*, Li Wenhui, Lan Zhichun, **Ren Haiyan**, Wang Kaibo, Functional trait responses to grazing are mediated by soil moisture and plant functional group identity, Scientific Reports, 2015, 5: 18163 IF: 4.85
- 18、Zheng Shuxia, **Ren Haiyan**, Lan Zhichun, Li Wenhui, Wang Kaibo, Bai Yongfei*, Effects of grazing on leaf traits and ecosystem functioning in Inner Mongolia grasslands: scaling from species to community, Biogeosciences, 2010, 7(3): 1117 -1132 IF: 4.37
- 19、**任海彦**, 胡健, 胡毅飞 重金属污染土壤植物修复研究现状与展望. 江苏农业科学 2018, 56 (22): 194-197.
- 20、王孜, **任海彦*** 浅析乡土植物在植被修复中的作用. 湖北农业科学 2018, 57 (10): 83-87.
- 21、胡健, 杨静雅, 李婕, 杨高文, **任海彦*** 北京地区草坪草夏季斑枯病菌对啞菌酯的敏感性及其 Cytb 序列分析. 农药学学报 2018, 20(1): 1-1

22、**任海彦**, 郑淑霞, 白永飞* 放牧对内蒙古锡林河流域草地群落植物茎叶生物量资源分配的影响. 植物生态学报 2009, 33 (6) 1065~1074

主要著作

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