

## 1、个人信息

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## 2、个人简历

1991.09-1995.07 陕西师范大学 生物科学 理学学士

1995.09-1998.07 中国科学院西北高原生物研究所 生态学 理学硕士

2002.09-2005.07 兰州大学 生态学 理学博士

2012.09-2013.08 澳大利亚墨尔本大学 访问学者

1998.07-2002.12 青海师范大学 讲师

2002.12-2006.12 青海师范大学 副教授

2006.12-至今 青海师范大学 教授（2006）/博导(2015)/副院长(2010)

## 3、主要研究方向

■青藏高原高寒草地生态系统碳氮循环；

■退化草地恢复重建技术及机理；

■青藏高原废弃物资源化利用

## 4、代表性论著

■Ming Cao, Fei Liu, Liangliang Sun, Yibo Wang, Jinpeng Wan, Ruling Wang,

**Huakun Zhou, Wenying Wang\*, Jin Xu(2020). Floccularia luteovirens modulates the growth of alpine meadow plants and affects soil metabolite accumulation on the Qinghai-Tibet Plateau[J]. Plant and Soil, <https://doi.org/10.1007/s11104-020-04699-7>**

■ **Mingde Zhao, Yongmei Zhang, Zhiying Xin, Xianwen Meng & Wenying Wang\*. (2020). The complete chloroplast genome of *Syringa oblata* (Oleaceae). 05(03), 2278 – 2279.**

■ **Liangliang Sun & Ming Cao & Fei Liu & Yibo Wang & Jinpeng Wan & Ruling Wang & Huakun Zhou & Wenying Wang\* & Jin Xu (2020) The volatile organic compounds of *Floccularia luteovirens* modulate plant growth and metabolism in *Arabidopsis thaliana*. Plant and Soil, <https://doi.org/10.1007/s11104-020-04709-8>**

■ **Xufeng Mao, Xiaoyan Wei, Bernard Engel, Wenying Wang, Xin Jin, Yanxiang Jin. (2020). Biological response to 5 years of operations of cascade rubber dams in a plateau urban river, China. DOI: 10.1002/rra.3660.**

■ **Hao Shen, Shikui Dong, Shuai Li, Wenying Wang, Jiannan Xiao, Mingyue Yang, et al. (2020). Effects of Warming and N Deposition on the Physiological Performances of *Leymus secalinus* in Alpine Meadow of Qinghai-Tibetan Plateau. Plant Science, doi: 10.3389/fpls.2019.01804.**

■ **Xufeng Mao, Xiaoyan Wei, Bernard Engel, Xijie Wei, Zhifa Zhang, Yaqin Tao, Wenying Wang. (2020). Network-based perspective on water-air interface GHGs flux on a cascade surface-flow constructed wetland in Qinghai-Tibet Plateau, China. Ecological Engineering,**

■ **Dangjun Wang, Huakun Zhou, Buqing Yao, Wenying Wang, Shikui Dong, Zhanhuan Shang, Yandi She, et al. (2020). Effects of nutrient addition on degraded alpine grasslands of the Qinghai-Tibetan Plateau: A meta-analysis. Agriculture, Ecosystems and Environment, 301: 01-12.**

■ **Fangping Wang, Guoxi Shi, Ostle Nicholas, Buqing Yao, Mingfei Jin,**

Wenying Wang, Zhen Ma, Huakun Zhou, Xinquan Zhao.(2018).Ecosystem nitrogen retention is regulated by plant community trait interactions with nutrient status in an alpine meadow. *Journal of Ecology*, 1-12.

■ Fawei Zhang, Hongqin Li, Wenying Wang, Yikang Li, Li Lin, Xiaowei Guo. (2018) Net radiation rather than surface moisture limits evapotranspiration over a humid alpine meadow on the northeastern Qinghai-Tibetan Plateau..*Ecohydrology*, 11:e1925.

■ Jingjing Zhao, Wenying Wang, Huakun Zhou, Ruling Wang, Ping Zhang, Huichun Wang, Xiangliang Pan, Jin Xu\*(2017). Manganese Toxicity Inhibited Root Growth by Disrupting Auxin Biosynthesis and Transport in Arabidopsis, *Front. Plant Sci*, 8: 272(共同一作).

■ Longhua Xu, Buqing Yao, Wenying Wang, Fangping Wang, Huakun Zhou, Jianjun Shi& Xinquan Zhao.(2017).Effects of plant species richness on <sup>13</sup>C assimilate partitioning in artificial grasslands of different established ages. *Sci. Rep.* 7, 40307; doi: 10.1038/srep40307.

■ Richard B. Harris<sup>1</sup>, Wang Wenying, Badinqiuying, Andrew T. Smith, Donald J. Bedunah(2015). Herbivory and Competition of Tibetan Steppe Vegetation in Winter Pasture: Effects of Livestock Exclosure and Plateau Pika Reduction. *PLOS ONE*. DOI:10.1371/ journal.pone.0132897.

■ Xu L H, Wang W Y, Guo J J, et al. (2014).Zinc improves salt tolerance by increasing reactive oxygen species scavenging and reducing Na<sup>+</sup> accumulation in wheat seedlings. *Biologia Plantarum*, 58(4):751-757.

■ Wang Wenying., Ma Yonggui., Xu Jin, Wang Huichun., Zhu Jinfu., Zhou Huakun.(2012).The diversity of uptake of plant species to soil nitrogen nutrient on *Kobresia humilis* alpine meadow. *Science in China Series D-Earth Sciences* 55(10): 1688-1695.

■ Wang Wenying, Xu Jin, Liu Xiaojin. (2012). Cadmium induces early flowering in Arabidopsis. *Biologia Plantarum* 56 (1): 117-120.

■ Wang Wenying, Yin Hengxia, Xu Jin, Liu Xiaojing, Mi Qin, Du Junhua, Ma Lingling, Zhou Huakun. (2012). Effects of glycine pretreatment on the growth and oxidative damage in heat-stressed *Festuca sinensis* Keng seedlings. *Journal of Lanzhou University (Natural Sciences)* 48(1):75-78.

■ Jin Xu, Wenying Wang, Hengxia Yin, Xiaojing Liu, Hong Sun, Qin Mi.(2010).Exogenous nitric oxide improves antioxidative capacity and reduces auxin degradation in roots of *Medicago truncatula* seedlings under cadmium stress. *Plant and soil*. DOI 10.1007/s 11104-009-0011-4

■ WenYing Wang, QiJi Wang, ZiYu Lu. (2009). Soil organic carbon and nitrogen content of density fractions and effect of meadow degradation to soil carbon and nitrogen of fractions in alpine kobresia meadow. *Science in China Series D-Earth Sciences*, 52(5), 660-668.

■ Li Shixiong, Wang Qiji, Jing Zengchun, Wang Wenying.(2009).Effects of protective enclosure on vegetation diversity, and productivity of degraded alpine kobresia meadow (Qinghai-Tibetan Plateau). *Polish Journal of Ecology* 57(3): 495-502 (SCI 收录).

■ Qiao Youmin, Wang Qiji, Wang Wenying.(2009).Yak grazing effects on vegetation of alpine meadow with *Potentilla fruticosa* L. (rosaceae) shrub in Qinghai-Tibet Plateau. *Polish Journal of Ecology* 57(4): 769-777( SCI 收录).

■ Xu, Jin, Yin, Hengxia, Wang, Wenying, Mi, Qin, Liao, Xiaoyong, Li, Xia. (2009).Identification of Cd-Responsive Genes of *Solanum nigrum* Seedlings Through Differential Display. *Plant Molecular Biology Reporter*, 27(4), pp 563-569( SCI 收录).

■ Jin Xu, Hengxia Yin, Wenying Wang, Qin Mi, Xiaojing Liu.(2009).Effects of sodium nitroprusside on callus induction and shoot regeneration in micropropagated *Dioscorea opposita*. *Plant Growth Regulation* 59: 279-285( SCI 收录).

■ Jin Xu, Hengxia Yin, Xiaojing Liu, Tao Yuan, Qin Mi, Lilin Yang, Zhixia Xie,

Wenying Wang.(2009).Nitric oxide alleviates Fe deficiency-induced stress in *Solanum nigrum*. *Biologia Plantarum*. 53: 784-788 (SCI 收录).

■ Wang Wenying et al. (2006).The effect of land management on plant community composition, species diversity, productivity of alpine *Kobersia* steppe meadow. *Ecological Research* 21 (2): 181-187. (SCI 收录).

■ Wang Wenying et al.(2006).Distribution and species diversity of plant communities along transect on the northeastern Tibetan Plateau *Biodiversity and Conservation* 15 (5): 1811—1828 (SCI 收录).

■ Wang Wenying et al.(2005).The effect of land management on carbon and nitrogen status in plants and soils of alpine meadows on the Tibetan Plateau , *Land Degradation & Development*17(5): 405-415.(SCI 收录).

■ Wang Gang, wang Chunyan, Wang Wenying, Wang Qiji.(2005).Capacity of soil to protect organic carbon and biochemical characteristics of density fractions in Ziwulin Haplic Greyxems siol,*Chinese Science Bulletin* 50(1): 27-32. (SCI 收录)

■刘艳方, 刘攀, 王文颖\*, 毛旭峰, 董世魁, 杨冲等. (2020). 土壤线虫作为生态指示生物的研究进展. *生态科学*, 39(2): 207-214.

■赵明德, 李惠梅, 王文颖\*. (2019). 青海地区不同改良剂处理下牛粪氨气排放及氮素动态研究. *生态科学*, 038(003), 166-173.

■王榛, 马晓林, 刘攀, 吕燕花, 李香芬, 魏胜强, 王文颖\*, 周华坤等. (2018). 青藏高原人工草地土壤微物量碳及酶活性动态变化特征. *兰州大学学报(自科版)*, 54(04), 50-57.

■刘攀, 周华坤, 杨冲, 李香芬, 王文颖\*. (2018). 基于氮同位素标记技术的高寒人工草地氮肥氨挥发和氮素回收率研究. *生态科学*.

■赵明德, 刘攀, 杨冲, 闫国苍, 王文颖\*. (2018). 盐胁迫对青藏高原多年生牧草幼苗生理指标的影响. *生态科学*, 37(003), 123-130.

■赵明德, 杨冲, 刘攀, 杨涵, 王文颖\*. (2018). 牲畜粪便氨气挥发相关研究进

展. 生态科学, 037(002), 214-222.

■吕艳花, 赵明德, 周华坤, 毛旭峰, 陈哲, 刘攀, 杨冲, 豆艳, 王文颖\*. (2017). 青海乱海子高寒湿地植物群落结构对土壤水分变化的响应. 湿地科学, 015(005), 697-704.

■王文颖, 李文全, 周华坤, 康清, 马晓玲, 刘攀, 王榛. (2016) 高寒人工草地土壤可溶性有机氮库和无机氮库动态变化. 生态环境学, 25(1): 30-35

■王文颖, 赵明德, 杨冲, 周华坤. (2016) 人工草地氮素分流: 青藏高原野外 15 N 示踪实验研究. 青海师范大学学报 (自然科学版), 3: 71-79

■张小静, 王文颖\*, 李文全, 赵明德, 王慧春, 周华坤, 刘攀, 王榛. 2016. 高寒草甸土壤可溶性有机氮库动态变化格局. 兰州大学学报 (自然科学版), 52 (5): 623-627

## 5、专利

■钟松, 王文颖, 陈哲, 杨冲, 刘攀, 宋成刚等. 一种可折叠的样方框, 2019-07-12, 中国, ZL20192114447.X.

■钟松, 王文颖, 刘攀, 杨冲, 孙丽娇, 刘艳方. 一种人工草地洗根系统, 2019-10-23, ZL201921789978.5.

■钟松, 王文颖, 曹铭, 陈哲, 杨冲, 刘攀, 宋成刚. 一种制作斜面培养基的试管架, 2020-06-11, 2019217899766.

## 6、著作

■王文颖、刁治民. 草地微生物生态学, 经济科学出版社, 2016.07

■刁治民, 陈克龙, 王文颖. 固氮微生物学, 科学出版社, 2014.10

■刁治民, 王文颖. 微生物学. 西北农林科技大学出版社, 2015.12

## 7、获奖

■2018年“高寒草甸对气候变化和放管理牧的响应机制及其适应性”获青海省科技进步二等奖

■2016年“高寒藏嵩草草甸植物对土壤氮素利用的多元化特征”获青海省自然科学优秀学术论文二等奖

■2016年“三江源区草地生态恢复及可持续管理技术创新与应用”获国家科技进步二等奖

■2011年“高寒草甸土壤组分碳氮含量及草甸退化对组分碳氮的影响”青海省自然科学优秀学术论文三等奖

■2010年“高寒草甸土地退化及其恢复重建对植被碳、氮含量的影响”获青海省自然科学优秀学术论文奖