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简历:

1986年毕业于内蒙古农业大学;1989年于山东农业大学获硕士学位;2001和2004年于日本国立鸟取大学获硕士、博士学位。1989-1998年间在内蒙古农业大学林学院任教。2004-2007年间受聘于日本全国共同利用机构鸟取大学干燥地研究中心研究助理教授、鸟取大学农学部博士后研究员等职。2007年归国,被聘为研究员、博士生导师,并入选中国科学院“百人计划”。

研究方向:

主要从事半干旱地区植被恢复生态学、树木生理生态学、群落生态水文过程等领域的研究工作。

专家类别: 百人;研究员

代表论著:

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2. Zhang J, Taniguchi T, Tateno R, Xu M, Du S, Liu GB, Yamanaka N (2013). Ectomycorrhizal fungal communities of *Quercus liaotungensis* along local slopes in the temperate oak forests on the Loess Plateau, China. *Ecological Research*. 28(2): 297-305. <http://dx.doi.org/10.1007/s11284-012-1017-6>
3. Kume T, Otsuki K, Du S, Yamanaka N, Wang YL, Liu GB (2012). Spatial variation in sap flow velocity in semiarid region trees: its impact on stand-scale transpiration estimates. *Hydrological Processes*. 26(8): 1161-1168. <http://dx.doi.org/10.1002/hyp.8205>
4. Shi WY, Zhang JG, Yan MJ, Yamanaka N, Du S (2012). Seasonal and diurnal dynamics of soil respiration fluxes in two typical forests on the semiarid Loess Plateau of China: Temperature sensitivities of autotrophs and heterotrophs and analyses of integrated driving factors. *Soil Biology &*

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8. 张建国, 闫美杰, 时伟宇, 杜盛 (2011) 辽东栎不同方位边材液流季节动态及其对蒸腾耗水测算的影响。水土保持学报, 25(3): 193–197.

9. Wang YL, Liu GB, Kume T, Otsuki K, Yamanaka N, Du S (2010). Estimating water use of a black locust plantation by

the thermal dissipation probe method in the semiarid region of Loess Plateau, China. *Journal of Forest Research*. 15(4): 241-251. <http://dx.doi.org/10.1007/s10310-010-0184-y>

10. Yan MJ, Yamanaka N, Yamamoto F, Du S (2010). Responses of leaf gas exchange, water relations, and water consumption in seedlings of four semiarid tree species to soil drying. *Acta Physiologiae Plantarum*. 32(1): 183-189. <http://dx.doi.org/10.1007/s11738-009-0397-x>

11. Shi WY, Shao HB, Li H, Shao MA, Du S (2009). Progress in the remediation of hazardous heavy metal-polluted soils by natural zeolite. *Journal of Hazardous Materials*. 170(1): 1-6. <http://dx.doi.org/10.1016/j.jhazmat.2009.04.097>

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