肖洒

【来源：草地农业生态系统国家重点实验室 | 发布日期：2014-03-24 】

男，副教授、硕士生导师。入选教育部新世纪优秀人才。

学习经历

1996.9 - 2000.6　本科 (生态学)　兰州大学生命科学学院
2000.9 - 2006.6　博士 (生态学)　兰州大学生命科学学院
2009.10 - 2010.10　博士后　法国波尔多第一大学
2011.1 - 2012.1　访问学者　美国蒙大拿大学

工作经历

2006.7 - 2010.5　讲师　兰州大学生命科学学院
2010.6 - 迄今　副教授，硕士生导师　兰州大学生命科学学院

教学及指导研究生情况

1. 2007至2012年，主讲本科生专业基础课《普通生态学》，自2013年起主讲全校通识课《基础生态学》与2011生物萃英班《普通生态学》
2. 获2008年兰州大学首届青年教师多媒体课件大赛二等奖
3. 指导硕士生4名，其中1名以第一作者的身份在SCI期刊发表论文1篇

发表论文及专著

1. Le Bagousse-Pinguet, Y., **Xiao, S.**, Brooker, R.W., Gross, N., Liancourt, P., Straile, D. and Michalet, R. Facilitation displaces

hot-spots of diversity and allows communities to persist in heavily stressed and disturbed environments. **Journal of Vegetation Science**. Accepted. **(IF = 2.77)**

2. Butterfield, B.J., Cavieres, L.A., Callaway, R.M., Cook, B.J., Kikvidze, Z., Lortie, C.J., Michalet, R., Pugnaire, F.I., Sch?b, C., **Xiao, S**. et al. Foundation species eliminate a phylogenetic diversity – productivity relationship across alpine plant communities globally. **Ecology Letters**. 2013, (doi:10.1111/ele.12070). **(IF = 15.253, SCI一区)**

3. **Xiao, S**., Zhao, L., Zhang, J.L., Wang, X.T. and Chen, S.Y. The integration of facilitation into the neutral theory of community. **Ecological Modeling**. 2013, 251:127-134. **(IF = 1.769)**

4. **Xiao, S**., Zhao, L., Zhang, J.L., Wang, X.T. and Chen, S.Y. Comparing neutral and trade-off community model in shaping 'productivity-diversity' relationship under different disturbance levels. **Bulletin of Mathematical Biology**. 2013, 75:213-222. **(IF = 1.859)**

5. **Xiao, S**., Callaway, R.M., Newcombe, G. and Aschehoug E.T. Models of experimental competitive intensities predict home and away differences in invasive impact and the effects of an endophytic mutualist. **The American Naturalist**. 2012, 180:707-718. **(IF = 4.736, SCI二区)**

6. Weiner, J. and **Xiao, S**. Variation in the degree of specialization can maintain local diversity in model communities. **Theoretical Ecology**. 2012, 5:161-166. **(IF = 1.364)**

7. Michalet, R., **Xiao, S.,** Touzard, B., Smith, D.S., Cavieres, L.A., Callaway, R.M. and Whitham T.G. Phenotypic variation in nurse traits and community feedbacks define an alpine community. **Ecology Letters**. 2011, 14:433–443. **(IF = 15.253, SCI一区)**

8. **Xiao, S.,** Zobel, M., Szava-Kovats, R. and P?rtel, M. The effects of species pool, dispersal and competition on the diversity–productivity relationship. Global Ecology and Biogeography. 2010, 19:343–351. **(IF = 5.273, SCI一区)**

9. Xu, J., Michalet, R., Zhang, J.L., Wang, G., Chu, C.J. and **Xiao, S.*** Assessing facilitative responses to a nurse shrub at the community level: the example of *Potentilla fruticosa* in a sub-alpine grassland of northwest China. **Plant Biology**. 2010, 12:780–787. **(IF = 2.223)**

10. Chu, C.J., Weiner, J., Maestre, F., Wang, Y., Morris, C., Xiao, S., Yuan, J., Du, G. and Wang, G. Effects of positive interactions, size symmetry of competition and abiotic stress on self-thinning in simulated plant populations. **Annals of Botany**. 2010, 106:647–652. **(IF = 3.388)**

11. **Xiao, S.,** Michalet, R., Wang, G. and Chen, S.Y. The interplay between species' positive and negative interactions shapes the "community biomass-species richness" relationship. **Oikos**. 2009, 118:1343–1348. **(IF = 3.147, SCI二区)**

12. Chu, C.J., Weiner, J., Maestre, F.T., **Xiao, S**., Wang, Y.S., Li, Q, Yuan, J.L., Zhao, L.Q., Ren, Z.W., and Wang, G. Positive interactions can increase size inequality in plant populations. Journal of Ecology. 2009, 97: 1401–1407. **(IF = 4.69, SCI二区)**

13. Chu, C.J., Maestre, F.T., **Xiao, S.**, Weiner, J., Wang, Y.S., Duan, Z.H. and Wang, G. Balance between facilitation and resource competition determines biomass-density relationships in plant populations. **Ecology Letters**. 2008, 11:1189–1197. **(IF = 8.204, SCI一区)**

14. **Xiao, S**., Chen S.Y. and Wang, G. Does the ESS height of plant population still exist with the inclusion of spatial structure? — an individual-based model research. **Ecological Modeling**. 2007, 204:23–218. **(IF = 2.077)**

15. **Xiao, S**., Chen S.Y. and Wang, G. An ESS for the height of a plant population, or an optimal height for an individual?—Rethinking game-theoretic models for plant height. **Bulletin of Mathematical Biology**. 2006, 68:957–967. **(IF = 1.859)**

16. **Xiao, S**., Chen S.Y., Zhao L.Q. and Wang, G. Density effects on plant height growth and inequality in sunflower populations. **Journal of Integrative Plant Biology**. 2006, 48:513–519. **(IF = 1.603)**

17. Wang, G., Yuan, J.L., Wang, X.Z., **Xiao, S**. and Huang, W.B. Competitive regulation of plant allometry and a generalized model for the plant self-thinning process. **Bulletin of Mathematical Biology**. 2004, 66:1875–1885. **(IF = 1.859)**

18. Liang, L., **Xiao, S**. and Wang, G. Seed bank and seed production of indigenous plants species in a central Asian desert. In: Runge M and Zhang XM eds. **Ecophysiology and habitat requirements of perennial plant species in the Taklimakan desert**. 2004, 147-152. Shaker Verlag, Aachen, Germany. **(Book chapter)**

研究方向

1. 植物生态学：植物保育作用，生物入侵，多样性与生产力关系
2. 理论生态学：计算机模拟，中性理论与生态位理论，种间关系与群落构建

项目成果

课题：

1．主持国家自然科学基金面上项目“高寒草甸金露梅对其灌丛下不同植物功能群的正相互作用及其对海拔梯度的响应”(31000203)

2．主持教育部博士点新教师基金“高寒草甸植物正相互作用机理研究及在生态恢复中的应用”(20070730051)

3. 主持中央高校基本科研费“高寒草甸植物间相互作用类型对功能群差异的响应机理”(lzujbky-2009-39)

地址：甘肃省兰州市嘉峪关西路768号 邮编：730020