土壤生态研究组

科研成果

发表论文:

2015年

2014年

Shengjie Liu, Jin Chen, Xingxing He, Jing Hu, Xiaodong Yang. Trophic cascade of a web-building spider decreases litter decomposition in a tropical forest floor. *European Journal of Soil Biology*. 65: 79-86.

Wang Y, Hu C, Ming H, Oenema O, **Schaefer DA**, Dong W, Zhang Y, Li X. 2014. Methane, carbon dioxide and nitrous oxide fluxes in soil profile under a winter wheat-summer maize rotation in the North China Plain. ***PLoS ONE*** 9(6): e98445.

Qiao N, Xu XL, **Schaefer D**. 2014. Decomposition of terrestrial carbon depends on chemical resources available to microorganisms. ***Geophysical Research Abstracts*** 16: EGU2014-11573.

Qiao N, **Schaefer D**, Blagodatskaya E, Zou X, Xu X, Kuzyakov Y. 2014. Labile carbon retention in forest soils compensates for CO_2 released by priming. ***Global Change Biology*** 20: 1943–1954.

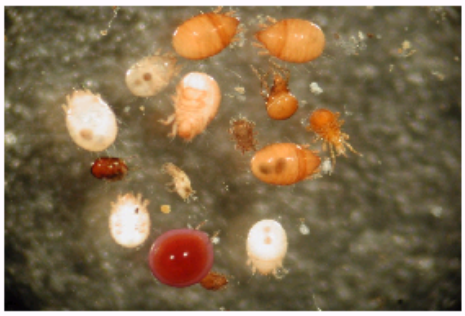
Xiao HF, Tian YH, Zhou HP, Ai XS,Yang XD, Schaefer DA, 2014. Intensive rubber cultivation degrades soil nematode communities in Xishuangbanna, southwest China. ***Soil Biology and Biochemistry*** 76: 161–169.

Xiao HF, Feng YL, Schaefer DA, Yang XD. 2014. Soil fungi rather than bacteria were modified by invasive plants, and that benefited invasive plant growth. ***Plant and Soil*** 378: 253–264.

Xiao HF, Li Gen, Li Daming, Hu Feng, Li Huixin. 2014. Effect of different bacterial-feeding nematode species on soil bacterial numbers, activity and community composition. ***Pedosphere*** 24: 116-124.

2013 年

Liu W, **Schaefer D**, Qiao L, Liu X. 2013. What controls the variability of wood-decay rates? ***Forest Ecology and Management*** 310: 623–631.



Meng LZ, Martin, K, Weigel, A, Yang XD. 2013. Tree diversity mediates the distribution of longhorn beetles (Coleoptera: Cerambycidae) in a Changing tropical landscape (Southern Yunnan, SW China). ***Plos One*** 8: e75481

Xiao HF, Schaefer D, Lei YB, Zhen YL, Li YP, Yang XD, Feng YL. 2013. Native and invasive plants have different nematode communities under simulated CO_2 enrichment. ***European Journal of Soil Biology*** 58: 91-97.

Qiao L, **Schaefer DA**, Zou XM. 2013. Variations in net litter nutrient input associated with tree species influence on soil nutrient contents in a subtropical evergreen broad-leaved forest. ***Chinese Science Bulletin*** 58: 1-7.

Zhang M, **Schaefer D**, Chan O, Zou X. 2013. Decomposition differences of labile carbon from litter to soil in a tropical rain forest and rubber plantation of Xishuangbanna, southwest China. ***European Journal of Soil Biology*** 55: 55–61.

2012年

Xiaodong Yang*, Zhao Yang, Matthew W. Warren, Jin Chen. 2012. Mechanical fragmentation enhances the contribution of Collembola to leaf litter decomposition. European Journal of Soil Biology, 53: 23–31.

Meng, L. Z., Martin K., Liu, J. X., Chen, J. 2012. Young leaf protection in the shrub Leea glabra in south-west China: the role of extrafloral nectaries and ants. Arthropod-Plant Interactions, 6, 59-65. DOI:10.1007/s11829-011-9151-6.

Meng, L. Z., Martin K., Weigel A., Liu, J. X. 2012. Impact of rubber plantation on carabid beetle communities and species distribution in a changing tropical landscape (southern Yunnan, China). Journal of Insect Conservation, 16,423-432. DOI: 10.1007/ s10841- 9428-1.

Meng, L. Z., Martin K., Liu, J. X., Burger F., Chen, J. 2012. Contrasting responses of hoverflies and wild bees to habitat structure and land use change in a tropical landscape (southern Yunnan, SW China). Insect Science, 19,666-676. DOI: 10.1111 /j.1744 – 7917 .2011 .01481 x.

Meng, L. Z., Gao, X. X., Chen, J., Martin K. 2012. Spatial and temporal effects on seed dispersal and seed predation of Musa acuminata in southern Yunnan, China. Integrative Zoology, 7,30-40. DOI: 10.1111/j.1749-4877.2011.00275.x.

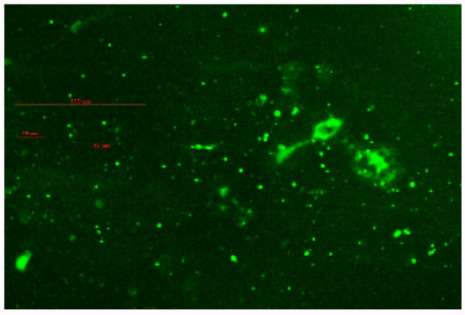
Meng, L. Z. 2012. Animal-plant-interactions at different scales in changing tropical landscapes of southern Yunnan, China. Ph.D Dissertation 13.02.2012, Faculty of Agricultural Sciences of the University of Hohenheim (Prof. Dr. Konrad Martin, University of Hohenheim, Prof. Dr. Claus Zebitz, University of Hohenheim). the Germany. 119pp. http://opus.ub.uni-hohenheim.de/volltexte/2012/702/pdf/Thesis_Ling_Zeng_Meng.pdf

Weigel A., **Meng, L. Z.**, Lin, M.Y. 2012. Contribution to the Fauna of Longhorn Beetles (Coleoptera: Cerambycidae) in the Naban River Watershed National Nature Reserve (China: Yunnan, Xishuangbanna). (in Press).Book.

2011年

方丽娜，**杨效东***，杜杰，2011，土地利用方式对西双版纳热带森林土壤微生物生物量碳的影响. 应用生态学报, 22(4)：837-844

杨赵，**杨效东***，2011，哀牢山不同类型亚热带森林地表凋落物及土壤节肢动物群落特



征. 应用生态学报，22(11)：3011-3020

2010年

Haifeng Xiao, Bryan Griffiths, Xiaoyun Chen, Manqiang Liu, Jiaguo Jiao, Feng Hu, Huixin Li. 2010. Influence of bacterial-feeding nematodes on nitrification and the ammonia-oxidizing bacteria (AOB) community composition. Applied Soil Ecology, 45:131-137

肖海峰，李大明，陈小云，刘满强，郑金伟，焦加国，胡锋，李辉信. CARD-FISH研究不同取食密度条件下食细菌线虫对氨氧化细菌(AOB)数量的影响. 生态学报, 2010, 30(19): 5413-5421

肖海峰，焦加国，胡锋，李辉信. 食细菌线虫对微生物取食的偏好性. 生态学报 2010, 30 (24):7101-7105

2009年

Xiaodong,Yang*. and Jin Chen, 2009. Plant litter quality influences the contribution of soil fauna to litter decomposition in humid tropical forests, southwestern China. Soil Biology & Biochemistry. 41(5): 910-918.

Yujuan Li, **Xiaodong Yang**, Xiaoming Zou, Jihua Wu,* 2009. Response of soil nematode communities to tree girdling in a subtropical evergreen broad-leaved forest of southwest China. Soil Biology & Biochemistry. 41(5): 877-882.

Zhang, J. L., **Meng, L. Z.**, Cao, K. F. (2009). Sustained diurnal photosynthetic depression in uppermost-canopy leaves of four dipterocarp species in the rainy and dry seasons: does photorespiration play a role in photoprotection? Tree Physiology, 29,217-228.

吴艺雪，**杨效东***，余广斌. 2009. 两种热带雨林土壤微生物生物量碳季节动态影响因素. 生态环境学报，18：658-663(with English abstract)