

Dan Liang

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EDUCATION

2015-2018	Ph.D. in Zoology, School of Life Sciences, Sun Yat-sen University Advisor: Yang Liu, Hong Pan, Scott Robinson
2012 - 2015	M.Sc. in Zoology, Faculty of Life Sciences, Southwest Forestry University Advisor: Xu Luo, Lianxian Han
2008 - 2012	B.Sc. in Wildlife and Nature Reserve Management, Faculty of Forestry, Southwest Forestry University

APPOINTMENT

April 2019 -	Postdoctoral Research Associate Princeton School of Public and International Affairs, Princeton University Supervisor: David Wilcove
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RESEARCH INTERESTS

Conservation Science, Community Ecology, Urban Ecology, Stable isotope Ecology, Ornithology

PUBLICATIONS

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1. **Liang, D.**, Gao, G., Liu, Y., Luo, Xu (#). Breeding biology of a high altitudinal *Aethopyga* sunbird in southwestern China. Journal of Natural History. (In press)
 2. **Liang, D. (*)**, Yang, S. (*), Pagani-Núñez, E. (*) (#), He, C., Liu, Y., Goodale, E., Liao, W. (#), Hu J. (#) How to become a generalist species? Individual niche variation across habitat transformation. Frontiers in Ecology and Evolution. (In revision)
 3. Zhang, Z. (*), Liang, D. (*), Cheng, G., Zou, F., Lei, F., Dong, L., Grisesser, M. (#), Liu, Yang (#). Molecular evolution of Toll-like receptors associated with infection risk and extensive parental care throughout avian radiation. * Co-first authors # Co-corresponding authors. Submitted
 4. Pan, X., **Liang, D. (#)**, Luo, X., Hu, Y., Robinson, S., Liu, Y. Seasonal variation in community composition and distributional ranges of birds along a subtropical

elevation gradient in China. *Submitted*

5. Pan, X., **Liang, D.**, Zeng, W., Hu, Y., Liang, J., Wang, X., Robinson, S.K., Luo, X., Liu, Y., 2019. Climate, human disturbance and geometric constraints drive the elevational richness pattern of birds in a biodiversity hotspot in southwest China. **Global Ecology and Conservation** 18, e00630.
6. Pagani-Núñez, E., **Liang, D.**, He, C., Zhou, X., Luo, X., Liu, Y., Goodale, E., 2019. Niches in the Anthropocene: passerine assemblages show niche expansion from natural to urban habitats. **Ecography**, 42, 1360–1369.
7. Shi, B., Zhan, X.M., Zheng, J.X., Qiu, H., **Liang, D.**, Ye, Y.M., Yang, G.J., Liu, Y. and Liu, J., 2018. Identifying key bird species and geographical hotspots of avian influenza A (H7N9) virus in China. **Infectious diseases of poverty**, 7(1), p.97.
8. **Liang, D.**, He, C., Luo, X., Liu, Y., Goodale, E. and Pagani-Núñez, E.(#), 2018. Breath rate of passerines across an urbanization gradient supports the pace-of-life hypothesis and suggests diet-mediated responses to handling stress. **Ecology and evolution**, 8(18), pp.9526-9535.
9. Pagani-Núñez, E., Xia, X., Beauchamp, G., He, R., Husson, J. H. D., **Liang, D.**, & Goodale, E. (2018). Are vocal characteristics related to leadership patterns in mixed-species bird flocks? **Journal of Avian Biology**, 49(5), e01674. <http://doi.org/10.1111/jav.01674>
10. **Liang, D.**, Gao, G., Pagani-Núñez, E., Pang, H., Liu, Y. (#), Luo, X. (#), & Robinson, S. K. (2018). Incubation behaviour of a high-altitude species: The Fire-tailed Sunbird *Aethopyga ignicauda*. **Bird Study**, 1-5. <https://doi.org/10.1080/00063657.2018.1446905>
11. **Liang, D.**, Gao, G., Han, L. X., & Luo, X. 2017. Breeding biology of Fire-tailed Myzornis (*Myzornis pyrrhura*) in an alpine environment in Southwestern China. **The Wilson Journal of Ornithology**, 129(3), 568-575.

MANUSCRIPT IN PREPARATION

12. **Liang, D.(#)**, Giam, X. Hu, S., Ma, L., Wilcove, D. Illegal hunting threatened terrestrial vertebrates in China. *In preparation*
13. Liu, Y.(#), Zhang, Z., Wang, X., **Liang, D.**, Chen, G., Cromie, Ruth, Johansson, U., Höglund, J., Geiesser, M. Life history traits predict strength of positive selection of Toll-like receptor in relation to in Anatidae. *In preparation*

PAPERS IN CHINESE

1. Huang, M., Yue, W., **Liang, D. (#)** Little stint *Calidris minuta* found in Ledong

County, Hainan Province. Submitted

2. Deng, M., **Liang, D.**, Luo, X. Vocal Behavior of a monotypic Species, the Fire-tailed Myzornis. Submitted.
3. Feng, Y., **Liang, D.**, Luo, X. The effect of mountain barrier and geographical distance on acoustic characteristics of a ground-dwelling forest bird (*Tesia cyaniventer*) in Southwest China. Submitted.
4. **Liang, D.**, Gao, G., Wang, B., Wang, X., Chen, Y., Wu, X., Zhao, C., Jiang, D., Han, L., & Luo, X. 2016. The diversity and vertical distribution of the birds in Middle Gaoligong Mountain, Southwest China. **Sichuan Journal of Zoology**, 34(6): 930-940.
5. **Liang, D.**, Li, B. Z., Liu, W. L., & Zhang, Q. 2014. *Falco severus* and *Halcyon smyrnensis* discovered in Medog County, Tibet. **Chinese Journal of Zoology**, 49(3): 463.
6. **Liang, D.**, Li, D., Li, Q., Ma, G., & Luo, X. (2012). Differentiation of diet niche of Sclater's Monal and Blood Pheasant detected with fecal analysis in Mt. Gaoligong in Yunnan Province. 200-209. In eds. **Advances in biodiversity conservation and research in China IX**. China Meteorological Press.
7. Wang, X., **Liang, D.**, He, Y., & Luo, X. 2016. Breeding ecology of *Alcippe vinipectus* at Pianma Pass on Gaoligong Mountain, Southwest China. **Journal of Southwest Forestry University**, 36(3): 181-186.
8. Han, L. X., Han, B., **Liang, D.**, & Gao, G. 2016. Range expansion of the Asian Open-billed Stork in Southwest China. **Sichuan Journal of Zoology**, 35(1), 149-153.
9. Feng, Y., Li, Q., **Liang, D.**, Jiang, D., Wu, X., Gao, Ge, Wang, X., Fan, Li., Luo, X. 2019. Annual change of avian species richness in winter at Zixi Mountain, Yunnan. **Journal of Southwest Forestry University**, 39(4): 110-115.
10. Luo, X., **Liang, D.**, Ma, G., Du, X., Hong, L. 2011. Bird survey and bird strike control at Dali airport, Yunnan province. **Journal of Southwest Forestry University**, 31(6): 49 – 55.

TRANSLATED BOOKS

1. Sweet, P. Extraordinary birds. Translated by **Dan Liang**. Chongqing: Chongqing University Press. 2017.
2. Lederer, R. J. Latin for birdwatchers. Translated by **Dan Liang**. Chongqing: Chongqing University Press. 2020.

POPULAR SCIENCE PAPER

1. **Liang, D.**, Luo, X., & Gao, G. 2018. Breeding birds in the alpine environments: Fire-tailed Myzornis and Fire-tailed Sunbird. In CloudMountain Conservation. [In Chinese]
2. **Liang, D.** 2017. Resident Birds. The bulletin of Chinese Birdwatching Society, 23: 10-11. [In Chinese]
3. **Liang, D.** 2017. Breeding Birds. The bulletin of Chinese Birdwatching Society, 24: 10-11. [In Chinese]
4. **Liang, D.** 2017. Migratory Birds. The bulletin of Chinese Birdwatching Society, 25: 10-11. [In Chinese]
5. **Liang, D.** 2017. Wintering Birds. The bulletin of Chinese Birdwatching Society, 26: 10-11. [In Chinese]
6. **Liang, D.** Li, L. W., Luo, X. 2013. Breeding birds in Pianma Pass of Gaoligong Mountains. Life Word, 12: 64-71. [In Chinese]
7. Luo, X., **Liang, D.**, Jiang, D. M. 2013. Exploring the history of modern birds. Human and Nature, 1: 28-39. [In Chinese]

HONORS AND AWARDS

Aug. 2019	Fundamental Research Award from Chinese Ornithological Society
Jul.2018	International traveling scholarship for Graduate Students from Sun Yat-sen University
Sep. 2017	Award for honored English talk of the Chinese Ornithological Congress, and earned a reward (6000 RMB) from Ornithological Journal <i>Avian Research</i> to attend the 27 th International ornithological Congress in Aug. 2018
Jul. 2016	International traveling scholarship for Graduate Students from Sun Yat-sen University
Jun. 2015	Honored Master Thesis of Southwest Forestry University
Jun. 2012	Honored Bachelor Thesis of Southwest Forestry University
Sep. 2010	Inspirational Scholarship in Yunnan Province, China

PRESENTATIONS

Mar. 2019	Presented the paper “Bird hunting in China – the present situation and socioeconomic basis” on the Shorebird Conservation Planning Workshop organized by Birdlife International in Bangkok, Thailand (Invited Speaker)
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- Sep. 2017 Presented the paper “Habitat and diet specialists display divergent acute stress across an anthropogenic disturbance.” on the 14th Chinese Ornithological Congress in Xi’an, China (Oral Presentation)
- Aug. 2016 Presented the paper “Breeding biology of Fire-tailed Myzornis (*Myzornis pyrrhura*) in an alpine environment in Southwestern China.” on the North American Ornithological Conference 2016 in Washington D.C., US. (Post Presentation)
- Nov. 2015 Presented the paper “Breeding biology of Fire-tailed Myzornis (*Myzornis pyrrhura*) in an alpine environment in Southwestern China.” on the 13th Chinese Ornithological Congress in Hefei, China. (Oral Presentation)
- Aug. 2012 Presented the paper “The Feeding Habitat and Singing Behavior of Fire-tailed Myzornis” on the 8th Kingfisher Forum of Chinese Ornithological Society in Beijing, China. (Oral Presentation)

PROFESSIONAL MEMBERSHIPS

Chinese Ornithological Society

International Ornithological Society

REVIEW FOR JOURNALS AND FOUNDATIONS

Peer-review journals: Conservation Biology, Biological Conservation, Scientific Report, Ecology and Evolution, Condor, Avian Research, Forktail

Foundation: Zhilan Foundation