

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. 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.
 4. 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.

5. 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.
6. **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.
7. 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>
8. **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>
9. **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

10. **Liang, D.**, Giam, X. Hu, S., Ma, L., Wilcove, D. Illegal hunting threatened terrestrial vertebrates in China. *In preparation*
11. 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*
12. 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*
13. 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*

PAPERS IN CHINESE

1. 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.
2. 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.
 3. **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.
 4. **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.
 5. **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.

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

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| 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

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| 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) |
| Sep. 2017 | Presented the paper “Habitat and diet specialists display divergent acute stress across an anthropogenic disturbance.” on the 14 th Chinese Ornithological Congress in Xi’an, China (Oral Presentation) |
| Aug. 2016 | Presented the paper “Breeding biology of Fire-tailed Myzornis (<i>Myzornis pyrrhura</i>) 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 (<i>Myzornis pyrrhura</i>) in an alpine environment in Southwestern China.” on the 13 th 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 8 th Kingfisher Forum of Chinese Ornithological Society in Beijing, China. (Oral Presentation) |

PROFESSIONAL MEMBERSHIPS

Chinese Ornithological Society

International Ornithological Society

REVIEW FOR JOURNALS AND FOUNDATIONS

Conservation Biology, Biological Conservation, Scientific Report, Ecology and Evolution, Condor, Avian Research, Forktail

Zhilan Foundation