

# Chao Song

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Department of Earth and Environmental Sciences  
Michigan State University  
306 Natural Science Building  
288 Farm Lane, East Lansing, MI 48840, USA  
Email: [chaosong@msu.edu](mailto:chaosong@msu.edu)  
Website: [songchao1986.github.io](http://songchao1986.github.io)

## EDUCATION

- 2012–2018 Ph.D. in Ecology, University of Georgia  
Advisor: Ford Ballantyne IV
- 2013–2016 M.S. in Statistics, University of Georgia  
Advisor: Daniel B. Hall
- 2009–2011 M.A. in Ecology and Evolutionary Biology, University of Kansas  
Advisor: Ford Ballantyne IV
- 2005–2009 B.S. in Ecology, Peking University  
Advisor: Jin-sheng He
- 2006–2009 B.A. in Economics, Peking University

## PROFESSIONAL EXPERIENCES

- 2020– Postdoctoral Research Associate  
Department of Earth and Environmental Sciences, Michigan State University  
Advisor: Jay P. Zarnetske
- 2018–2020 Postdoctoral Research Associate  
Department of Fisheries and Wildlife, Michigan State University  
Advisor: James R. Bence
- 2012–2017 Graduate Research/Teaching Assistant  
Odum School of Ecology, University of Georgia
- 2009–2012 Graduate Research/Teaching Assistant  
Department of Ecology and Evolutionary Biology, University of Kansas
- 2007–2009 Undergraduate Research Assistant  
Department of Ecology, Peking University

## HONORS AND AWARDS

- Best Student Paper Award, Sino-Ecologists Association Overseas, 2019.
- Odum School of Ecology Best Student Paper Award, University of Georgia, 2018.
- Endowment Award, Society for Freshwater Science, 2018.
- Meyer–Helfman Graduate Travel Award, University of Georgia, 2017.
- Kenneth B. Armitage Award for Excellence in Teaching, University of Kansas, 2012.
- National Scholarship for Undergraduate, Ministry of Education of China, 2009.

## GRANTS AND FELLOWSHIPS

Graduate School Travel Grant, University of Georgia, 2015, 2018.  
Odum School of Ecology Small Grant, University of Georgia, 2014.  
University of Kansas Field Station Small Grant, University of Kansas, 2010.  
Graduate Scholarly Presentation Travel Fund, University of Kansas, 2010.  
Chancellor's Grant for Undergraduate Research, Peking University, 2007.

## TEACHING

Michigan State University: Introduction to Meta-analysis in Ecology (PLB 809).  
University of Georgia: Ecology lab (ECOL 3500L).  
University of Kansas: Principles of Molecular and Cellular Biology lab (BIOL 150); Principles of Organismal Biology lab (BIOL 152); Introduction to Biostatistics lab (BIOL 570).

## PROFESSIONAL SERVICES

Journal reviewer: Agriculture, Ecosystem & Environment; Ecology Letters; Environmental Science: Processes and Impacts; Environmental Science & Technology; Freshwater Science; Hydrobiologia; Journal of Plant Ecology; Land Degradation & Development; Methods in Ecology and Evolution; Scientific Reports; Science of the Total Environment.  
Newsletter editor, Sino-Ecologists Association Overseas, 2014–2019.  
Odum School of Ecology graduate program committee, 2015–2016.  
Odum School of Ecology seminar committee, 2015–2016.

## PUBLICATIONS

Song, C., S.D. Peacor, C.W. Osenberg, and J.R. Bence. *In press*. An assessment of statistical methods for non-independent data in ecological meta-analysis. *Ecology*.

Rüegg, J., D.T. Chaloner, F. Ballantyne, P.S. Levi, C. Song, J.L. Tank, S.D. Tiegs, and G.A. Lamberti. (2020) Understanding the relative roles of salmon spawner enrichment and disturbance: a high-frequency, multi-habitat field data and modeling approach. *Frontiers in Ecology and Evolution*, 8: 19.

Wang, Y., C. Song, H. Liu, S. Wang, H. Zeng, C. Luo, and J.-S. He. *In press*. Precipitation determines the magnitude and direction of interannual responses of soil respiration to experimental warming. *Plant and Soil*.

Song, C., W.K. Dodds, J. Rüegg, A. Argerich, C.L. Baker, W.B. Bowden, M.M. Douglas, K.J. Farrell, M.B. Flinn, E.A. Garcia, A.M. Helton, T.K. Harms, S. Jia, J.B. Jones, L.E. Koenig, J.S. Kominoski, W.H. McDowell, D. McMaster, S.P. Parker, A.D. Rosemond, C.M. Ruffing, K.R. Sheehan, M.T. Trentman, M.R. Whiles, W.M. Wollheim, and F. Ballantyne (2018). Continental-scale decrease in net primary productivity in streams due to climate warming. *Nature Geoscience*, 11(6): 415–420.

Wang, Y., C. Song, L. Yu, S. Mi, S. Wang, H. Zeng, C. Fang, J. Li, and J.-S. He (2018). Convergence in temperature sensitivity of soil respiration: evidence from the Tibetan alpine grasslands. *Soil Biology and Biochemistry*, 122: 50–59.

- Koenig, L.E., C. Song, W.M. Wollheim, J. R  egg, and W.H. McDowell (2017). Nitrification increases nitrogen export from a tropical river network. *Freshwater Science*, 36(4): 698–712.
- Geng, Y., F. Baumann, C. Song, M. Zhang, Y. Shi, P. K  hn, T. Scholten, and J.–S. He (2017). Increasing temperature reduces the coupling between available nitrogen and phosphorus in soils of Chinese grasslands. *Scientific Reports*, 7: 43524.
- Song, C., W.K. Dodds, M.T. Trentman, J. R  egg, and F. Ballantyne (2016). Methods of approximation influence aquatic ecosystem metabolism estimates. *Limnology and Oceanography: Methods*, 14(9): 557–569.
- Song, C., F. Ballantyne, and V.H. Smith (2014). Enhanced dissolved organic carbon production in aquatic ecosystems in response to elevated atmospheric CO<sub>2</sub>. *Biogeochemistry*, 118: 49–60.
- Shi, Y., F. Baumann, Y. Ma, C. Song, P. K  hn, T. Scholten, and J.–S. He (2012). Organic and inorganic carbon in the topsoil of the Mongolian and Tibetan grasslands: pattern, control and implications. *Biogeosciences*, 9(6): 2287–2299.