

Chao Song

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
Website: 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; Ecological Processes; Environmental Science: Processes and Impacts; Environmental Science & Technology; Freshwater Science; Hydrobiologia; Journal of Geophysical Research: Biogeoscience; Journal of Plant Ecology; Land Degradation & Development; Methods in Ecology and Evolution; Scientific Reports.
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

Wang, Y., C. Song, H. Liu, S. Wang, H. Zeng, C. Luo, and J.-S. He*. (2021) Precipitation determines the magnitude and direction of interannual responses of soil respiration to experimental warming. *Plant and Soil*, 458: 75–91.
Song, C., S.D. Peacor, C.W. Osenberg, and J.R. Bence. (2020) An assessment of statistical methods for non-independent data in ecological meta-analysis. *Ecology*, 101(12): e03184.
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.
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. Rügge, 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. Kühn, 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. Rügge, 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 CO₂. *Biogeochemistry*, 118: 49–60.
- Shi, Y., F. Baumann, Y. Ma, C. Song, P. Kühn, 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.