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; Environmental Science: Processes and Impacts; Freshwater Science; Hydrobiologia; 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.

INVITED SEMINARS

Temperature sensitivity of ecosystem carbon flux. *Environmental Change Initiative, University of Notre Dame.* April 23, 2019.

PUBLICATIONS

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 samlon 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. Rüegg, 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. Rüegg, 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_2. *Biogeochemistry*, 118(1–3): 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.