

Yang Yang

Lecturer

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Education

2012–2017: Ph.D. in Meteorology, School of Atmospheric Sciences, Nanjing University of Information Science and Technology. Advisor: Prof. X. San Liang

2008–2012: B.S. in Oceanography, School of Marine Sciences, Nanjing University of Information Science and Technology.

Academic Experience

2019 Jan–2019 Dec: Visiting Scholar, College of Marine Science, University of South Florida.

2017 Jun–Present: Lecturer, School of Marine Sciences, Nanjing University of Information Science and Technology.

Awards

2016 “Young Scientist Award”, 2nd Congress of China Geodesy and Geophysics, Nanjing.

2009 “National Scholarship”, Ministry of Education of the People's Republic of China, Nanjing.

Publications

Yang, Y., J. C. McWilliams, X. S. Liang, H. Zhang, R. H. Weisberg, Y. Liu, and D. Menemenlis, 2020: Spatial and Temporal Characteristics of the Submesoscale Energetics in the Gulf of Mexico. *J. Phys. Oceanogr.*, 51(2), 475–489, <https://doi.org/10.1175/JPO-D-20-0247.1>.

Yang, Y., R. H. Weisberg, Y. Liu, and X. S. Liang, 2020: Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico. *J. Phys. Oceanogr.*, 50(5), 1289–1317, <https://doi.org/10.1175/JPO-D-19-0202.1>.

Yang, Y., and X. S. Liang, 2019: Spatiotemporal Variability of the Global Ocean Internal Processes Inferred from Satellite Observations. *J. Phys. Oceanogr.*, 49(8), 2147–2164, <https://doi.org/10.1175/JPO-D-18-0273.1>.

Yang, Y., and X. S. Liang, 2019: New Perspectives on the Generation and Maintenance of the Kuroshio Large Meander. *J. Phys. Oceanogr.*, 49(8), 2095–2113, <https://doi.org/10.1175/JPO-D-18-0276.1>.

Yang, Y., and X. S. Liang, 2019: The Intrinsic Nonlinear Multiscale Interactions among the Mean Flow, Low Frequency Variability and Mesoscale Eddies in the Kuroshio Region. *Sci. China Earth Sci.*, 62(3), 595–608, <https://doi.org/10.1007/s11430-018-9289-4>.

- Yang, Y., and X. S. Liang, 2018: On the Seasonal Eddy Variability in the Kuroshio Extension. *J. Phys. Oceanogr.*, 48(8), 1675–1689, <https://doi.org/10.1175/JPO-D-18-0058.1>.
- Yang, Y., X. S. Liang, B. Qiu, and S. Chen, 2017: On the Decadal Variability of the Eddy Kinetic Energy in the Kuroshio Extension. *J. Phys. Oceanogr.*, 47(5), 1169–1187, <https://doi.org/10.1175/JPO-D-16-0201.1>.
- Yang, Y., and X. S. Liang, 2016: The Instabilities and Multiscale Energetics Underlying the Mean–Interannual–Eddy Interactions in the Kuroshio Extension Region. *J. Phys. Oceanogr.*, 46(5), 1477–1494, <https://doi.org/10.1175/JPO-D-15-0226.1>.

Talks & Posters

- 2020 Aug: “Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico.” (Invited Talk) Application Laboratory, JAMSTEC, Japan.
- 2020 Jun: “Spatial and Temporal Characteristics of the Submesoscale Energetics in the Gulf of Mexico.” (Invited Talk) State Key Laboratory of Tropical Oceanography (SCSIO, CAS).
- 2020 May: “Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico.” (Talk) 4th Young Scientist Forum on Ocean Dynamics (On line), Xiamen, China.
- 2020 Feb: “Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico.” (Poster) Ocean Sciences Meeting 2020, San Diego, CA, USA.
- 2020 Feb: “Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico.” (Talk) 2020 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, Florida, USA.
- 2019 Nov: “Instabilities and Multiscale Interactions Underlying the Loop Current Eddy Shedding in the Gulf of Mexico.” (Poster) AGU Fall Meeting 2019, San Francisco, CA, USA.
- 2017 Sep: “The Instabilities and Multiscale Energetics Underlying the Mean–Interannual–Eddy Interactions in the Kuroshio Extension Region.” (Talk) 5th Nonlinear Atmosphere–Ocean Conference, Wuhan, China.
- 2016 Dec: “On the Decadal Variability of the Eddy Kinetic Energy in the Kuroshio Extension.” (Poster) Marine Environment and Climate Change Seminar, Nanjing, China.
- 2016 Sep: “The Instabilities and Multiscale Energetics Underlying the Mean–Interannual–Eddy Interactions in the Kuroshio Extension Region” (Talk) 2nd Congress of China Geodesy and Geophysics (CCGG2016), Nanjing, China.

Teaching

- 2020 Spring: Lecturer, “Mathematical Statistics in Ocean Science”, (Undergraduate level course), Nanjing University of Information Science and Technology.
- 2020 Spring: Lecturer, “Coastal and Regional Oceanography”, (Undergraduate level course), Nanjing University of Information Science and Technology.
- 2018 Fall: Lecturer, “Introduction to Physical Oceanography”, (Undergraduate level course), Nanjing University of Information Science and Technology.
- 2017 Fall: Lecturer, “Mathematical Methods in Atmosphere–Ocean Science”, (Graduate level course), Nanjing University of Information Science and Technology.

Research Grants

2019–2021 PI, A Study of the Energetic Characteristics and Dynamics of the Low-frequency Variability of the Kuroshio Extension, NSFC.

2018–2020 PI, Natural Science Foundation of the Higher Education Institutions of Jiangsu Province.

2017–2020 PI, Startup Foundation for Introducing Talent of NUIST.