

# CURRICULUM VITAE

## Weiying Han

### CURRENT POSITION

Professor

Department of Atmospheric and Oceanic Sciences (ATOC), the University of Colorado (CU)

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### EDUCATIONAL BACKGROUND

1999 PhD: Physical Oceanography, Nova SE University, USA (Advisor: Julian P. McCreary)

1989 M.S.: Meteorology, Chinese Academy of Meteorological Sciences, Beijing, P.R. China

1986 B.S.: Meteorology, Nanjing Institute of Meteorology, Nanjing, P.R. China

### EMPLOYMENT HISTORY

2016-pres: Professor, ATOC CU

2009-2016: Associate Professor, ATOC CU

2002-2009: Assistant Professor, ATOC, CU

1999-2002: Postdoctoral Research Associate, ATOC, CU (Advisor: Peter J. Webster)

1989-1992: Researcher, National Satellite Meteorology Center, Beijing, P.R. China

### HONORS & SERVICES

- Johannes Geiss Fellow, 2020: International Space Science Institute, Bern, Switzerland(<https://www.issibern.ch/index.php/program/johannes-geiss-fellowship/>)
- Excellence Cluster CliSAP Fellow, the University of Hamburg, Germany (2016)
- National Science Foundation Faculty Early CAREER Award (2009)
- NCAR Faculty Fellowship (2005)
- World Climate Research Program (WCRP)/CLimate VARIability and predictability (CLIVAR) Indian Ocean Panel (IOP; 2011-2019)
- National Research Council/ National Academy of Sciences: Committee on Sea Level Rise in California, Oregon and Washington (2011-2012)
- Associate Editor, JGR-Oceans. 2004-2010
- NSF Research Panel (Physical Oceanography)
- NASA Research Panel (Physical Oceanography)
- NASA Research Panel (Ocean Vector Wind Science Team)
- NASA Research Panel (Sea Level Rise Science Team)
- NOAA Climate Variability and Predictability Research Panel
- NCAR Project Scientist III Review Panel
- Session Co-Chair and Co-Convener, AGU Ocean Sciences Meeting, 2020
- Session Chair, American Geophysical Union (AGU) Fall Meeting, Dec 2014
- Chair and Convener, Session 054, AGU Ocean Sciences Meeting, Feb 2014
- Chair and Convener, OS21F and OS23B, AGU Fall Meeting, December 2008
- Chair, session OS33C, AGU Fall Meeting, December 2007

- Chair, session OS21B, AGU West Pacific Geophysics meeting, July 2006
- Chair, session OS41B, AGU Fall meeting, 2003
- Research Proposal Reviews for agencies: *NSF Physical Oceanography Program, NSF Climate and Large-Scale Dynamics Program, NASA Physical Oceanography Program, NASA Sea Level Rise Science Team program, NASA Ocean Vector Wind Science Team Program, NOAA Climate Variability and Predictability program, South Carolina Sea Grant Program, Delaware Sea Grant Program, Texas Sea Grant Program, Natural Environment Research Council of UK, and Research Grant Council of Hong Kong.*
- Peer Reviews for Journals: *Climatic Change, Climate Dynamics, Continental Shelf Research, Current Science, Deep Sea Research, Dynamics of Atmospheres and Oceans, Environmental Research Letters, Geophysical Research Letters, J. Climate, J. Earth System Science, J. Geophys. Res., J. of Meteorological Research, J. Oceanography, J. Phys. Oceanogr., Meteorology and Atmospheric Physics, Nature Climate Change, Nature Geoscience, Nature Reviews Earth & Environment., Ocean Dynamics, Progress in Oceanography, Remote Sensing of Environment, Science Advances, Scientific Reports, and Surveys in Geophysics.*
- *PhD dissertation evaluation for the University of New South Wales, Australia*
- Participated in Mentoring Physical Oceanography Women to Increase Retention (MPOWIR) working group (2005)

#### **STUDENT AWARDS**

- West Jason, Grand Prize Winner, AGU data visualization and storytelling contest (2017)
- Kenigson Jessica: Student poster award, WCRP sea level conference (2017)
- Kenigson Jessica: NASA Harriet G. Jenkins Graduate Fellowship (2013-2016)
- Bateman Richard: NASA Earth and Space Science Fellowship (2013-2016)
- Duncan Benet: Outstanding student paper award, American Geophysical Union (2010)

#### **PROFESSIONAL ASSOCIATIONS**

- American Association for the Advancement of Science
- American Geophysical Union
- American Meteorological Society
- The Oceanography Society

#### **PUBLICATIONS**

##### **Peer-Reviewed Journal Publications**

1. Zhang, L., G. Wang, M. Newman and **W. Han**, 2020: Interannual to Decadal Variability of Tropical Indian Ocean Sea Surface Temperature: Pacific Influence versus Local Internal Variability. *J. Clim.*, DOI:<https://doi.org/10.1175/JCLI-D-20-0807.1>.
2. Kumar, Praveen, Benhamin Hamlington, Se-Hyeon Cheon, **Weiqing Han**, and Philip Thompson, 2020: 20th Century Multivariate Indian Ocean Regional Sea Level Reconstruction. *JGR-Oceans*, 125, <https://doi.org/10.1029/2020JC016270>.

3. Zhang, L. and **W. Han**, 2020: Barrier for the Eastward Propagation of Madden-Julian Oscillation over the Maritime Continent: A Possible New Mechanism, *Geophys. Res. Lett.*, <https://doi.org/10.1029/2020GL090211>
4. Huang, Ke, Dongxiao Wang, Ming Feng, **Weiqing Han**, Gengxin Chen, Chaojiao Sun, Xiaolin Zhang, Qiang Xie, Weiqiang Wang, Qinyan Liu, Jinglong Yao, 2020: Baroclinic characteristics and energetics of annual Rossby waves in the southern tropical Indian Ocean. *JPO*, 50, 2591-2607.
5. Chen Gengxin, **W. Han**, X. Zhang, L. Liang, H. Xue, D. Wang, Y. He, J. Li, 2020: Determination of tempo-spatial variability of the Indian Equatorial Intermediate Current. *J. Phys. Oceanogr.*, *J. Phys. Oceanogr.* 50 (11): 3095–3108.
6. Chen, G., DX Wang, **W. Han**, M. Feng, F. Wang, Y. Li, J. Chen, and A. Gordon, 2020: The extreme El Nino events suppressing the intraseasonal variability in the eastern tropical Indian Ocean. *JPO*, 50(8), 2359-2372. <https://doi.org/10.1175/JPO-D-20-0041.1>
7. Li Yuanlong, **Weiqing Han**, Fan Wang, Lei Zhang, Jing Duan, 2020: Vertical Structure of the Upper Indian Ocean Thermal Variability. *J. Climate*, *J. Climate*, 33(17), DOI: 10.1175/JCLI-D-19-0851.1.
8. Beal, L., J. Vialard, M.K. Roxy, J. Li, M. Andres, H. Annamalai, M. Feng, **W. Han**, et al., 2020: A roadmap to IndOOS-2: Better observations of the rapidly-warming Indian Ocean. *BAMS*, <https://doi.org/10.1175/BAMS-D-19-0209.1>
9. West, J., **W. Han**, L. Zhang and Y. Li, 2020: The Role of Oceanic Processes in the Initiation of Boreal Winter Intraseasonal Oscillations over the Indian Ocean. *JGR-Oceans*, <https://doi.org/10.1029/2019JC015426>
10. Shinoda, T., **W. Han**, L. Zamudio, X. Feng, 2020: Influence of atmospheric rivers on the Leeuwin Current system. *Climate Dyn.*, <https://doi.org/10.1007/s00382-020-05228-z>
11. Zhang, X., and **W. Han**, 2020: Effects of climate modes on interannual variability of upwelling in the tropical Indian Ocean. *J. Clim.*, 33, 1547-1573, <https://doi.org/10.1175/JCLI-D-19-0386.1>. (WCRP)
12. Kido, S., T. Tozuka, and **W. Han**, 2019: Experimental assessments on impacts of salinity anomalies on the positive Indian Ocean Dipole. *J. Geophys. Res.*, 124, DOI: 10.1029/2019JC015479.
13. Zhang, X., and **W. Han**, 2019: Effects of climate modes on interannual variability of upwelling in the tropical Indian Ocean. *J. Clim.*, <https://doi.org/10.1175/JCLI-D-19-0386.1>. (*WCRP CLIVAR December 2020 Bulletin, science highlight*).
14. Kido, Shoichiro, Tomoki Tozuka, and **W. Han**, 2019: Anatomy of salinity anomalies associated with the positive Indian Ocean Dipole. *J. Geophys. Res.*, 125, 8116-8139, DOI: 10.1029/2019JC015163.
15. Zhang, L., **W. Han**, K. B. Karnauskas, G. A. Meehl, A. Hu, N. Rosenbloom, and T. Shinoda (2019) Indian Ocean Warming Trend Reduces Pacific Warming Response to Anthropogenic Greenhouse Gases: An Interbasin Thermostat Mechanism. *Geophys. Res. Lett.*, 46, 10,882-10,890, DOI: 10.1029/2019GL084088.
16. Huang, K., D. Wang, **W. Han**, M. Feng, G. Chen, W. Wang, J. Chen, and J. Li, 2019: Semiannual Variability of Mid-depth Zonal Currents along 5N in the Eastern Indian Ocean: Characteristics and Causes. *J. Phys. Oceanogr.*, 49, 2715-2729, <https://doi.org/10.1175/JPO-D-19-0089.1>.

17. Zhang L., **W. Han**, Y. Li, N. Lovenduski, 2019: Variability of Sea Level and Upper-Ocean Heat Content in the Indian Ocean: Effects of Subtropical Indian Ocean Dipole and ENSO, *Journal of Climate*, 32, 7227-7245, DOI: 10.1175/JCLI-D-19-0167.1
18. **Han W.**, Detlef Stammer, Philip Thompson, Tal Ezer, Hindu Palanisamy, Xuebin Zhang, Catia M. Domingues, Lei Zhang, Dongliang Yuan, 2019: Impacts of basin-scale climate modes on coastal sea level: a review. *Surveys in Geophysics*, 40, 1493 - 1541, DOI: 10.1007/s10712-019-09562-8.
19. Li, Y., **W. Han**, L. Zhang, and F. Wang, 2019: Decadal SST Variability in the Southeast Indian Ocean and Its Impact on Regional Climate. *J. Clim*, 32, 6299-6318, <https://doi.org/10.1175/JCLI-D-19-0180.1>.
20. Carson, Mark, Kewei Lyu, Kristin Richter, M. Becker, Catia M. Domingues, **W. Han**, Laure Zanna, 2019: Climate model uncertainty and trend detection in regional sea level projections: a review. *Surveys in Geophysics*, 40, 1631 - 1653, DOI: 10.1007/s10712-019-09559-3.
21. Rui M. Ponte & coauthors, 2019: Towards comprehensive observing and modeling systems for monitoring and predicting regional to coastal sea level. *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2019.00437>.
22. Hermes J.C., & coauthors, 2019: A sustained ocean observing system in the Indian Ocean for climate related scientific knowledge and societal needs. *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2019.00355>.
23. Qiu Y., **W. Han**, X. Lin, B. J. West, Y. Li, W. Xing, X. Zhang, K. Arulananthan, X. Guo, 2019: Upper Ocean Response to the Super Tropical Cyclone *Phailin* (2013) over the Freshwater Region of the Bay of Bengal. *J. Phys. Oceanogr.*, 49, 1201-1228. <https://doi.org/10.1175/JPO-D-18-0228.1>
24. Chen G., **W. Han**, Y. Li, D. Wang, J. Yao, 2019: Intraseasonal variability of the Equatorial Undercurrent in the Indian Ocean. *J. Phys. Oceanogr.*, 49, 85-101, <https://doi.org/10.1175/JPO-D-18-0151.1>.
25. Zhao X., D. Yuan, G. Yang, J. Wang, H. Liu, R. Zhang, and **W. Han**, 2019: Interannual variability and dynamics of intraseasonal wind rectification in the equatorial Pacific Ocean. *Clim. Dyn.*, 52, 4351-4369, <https://doi.org/10.1007/s00382-018-4383-0>.
26. Zhang L., **W. Han**, Y. Li, and T. Shinoda, 2018: Mechanisms for Generation and Development of Ningaloo Niño. *J. Clim.*, 31, 9239-9259, <https://doi.org/10.1175/JCLI-D-18-0175.1>
27. Zhang L., **W. Han**, Y. Li, and E. Maloney, 2018: Role of North Indian Ocean Air-Sea Interaction in Summer Monsoon Intraseasonal Oscillation. 31, 7885-7908, *J. Clim.*, <https://doi.org/10.1175/JCLI-D-17-0691.1>.
28. Li Y., **W. Han**, A. Hu, G.A. Meehl, and F. Wang, 2018: Multidecadal Changes of the Upper Indian Ocean Heat Content during 1965-2016. 31, 7863-7884, *J. Clim.*, <https://doi.org/10.1175/JCLI-D-18-0116.1>.
29. Zhang, L., and **W. Han**, 2018: Impact of Ningaloo Niño on Tropical Pacific and An Inter-Basin Coupling Mechanism. *Geophys. Res. Lett.*, 45, 11,300 - 11,309 doi: 10.1029/2018GL078579. *Chosen by AGU for Research Spotlight*.
30. **Han W.**, Detlef Stammer, G. A. Meehl, Aixue Hu, Frank Sienz and LeZhang 2018: Multi-Decadal Trend and Decadal Variability of the Regional Sea Level over the Indian Ocean since the 1960s: Roles of Climate Modes and External Forcing, *Climate*, 6(2), 51; <https://doi.org/10.3390/cli6020051>. *Featured article of that issue*.
31. Huang K., **W. Han**, D. Wang, W. Wang, Q. Xie, J. Chen, and G. Chen, 2018: Features of the Equatorial Intermediate Current associated with basin resonance in the Indian Ocean. *J. Phys.*

- Oceanogr., 48, 1333-1347.
32. West J., **W. Han**, and Y. Li, 2018: The Role of Oceanic Processes in the Initiation of Indian Summer Monsoon Intraseasonal Oscillations over the Indian Ocean. *JGR-Oceans*, 123, 3685-3704.
  33. Li Y., **W. Han**, W. Wang, L. Zhang, and M. Ravichandran, 2018: The Indian Summer Monsoon Intraseasonal Oscillations in CFSv2 Forecasts: Biases and Importance of Improving Air-Sea Interaction Processes. *J. Clim.*, 31, 5351-5370.
  34. Zhang L., **W. Han**, and F. Sienz, 2018: Unraveling causes for the changing behavior of tropical Indian Ocean in the past few decades. *J. Clim.*, 31, 2377-2388, doi: 10.1175/JCLI-D-17-0445.
  35. Kenigson, J., **W. Han**, B. Rajagopalan, Yanto, and M. Jasinski, 2018: Decadal Shift of NAO-Linked Interannual Sea Level Variability along the US Northeast Coast. *J. Clim.*, 31, 4981-4989.
  36. Li Y., **W. Han**, and L. Zhang, 2017: Enhanced Decadal Warming of the Southeast Indian Ocean during the Recent Global Surface Warming Slowdown. *Geophys. Res. Lett.*, 44, 9876-9884, *Geophys. Res. Lett.*, DOI: 10.1002/2017GL075050.
  37. Shinoda T., **Han W.**, J. Zamudio, R.-C. Lien, and M. Katsumata, 2017: Remote ocean response to the Madden-Julian Oscillation during the DYNAMO field campaign: Impact on Somali Current system and Seychelles-Chagos thermocline ridge. *Atmosphere*, 8, 171; doi:10.3390/atmos8090171.
  38. **Han, W.**, G.A. Meehl, A. Hu, J. Zheng, and J. Vialard, Jessica Kenigson, 2017: Surface Branches of Indo-Pacific Walker Cells: Do They Co-Vary with the Warm Pool Convection on Decadal and Multi-Decadal Timescales? *J. Clim.*, 30, 8447-8468. DOI: 10.1175/JCLI-D-16-0783.1.
  39. Hu, A., G. A. Meehl, D. Stammer, **W. Han**, W. G. Strand, 2017: Role of perturbing ocean initial condition in simulated regional sea level change, *Water*, 9, 401, DOI:10.3390/w9060401.
  40. Li Y., **W. Han**, M. Ravichandran, Wanqiu Wang, Toshiaki Shinoda, Tong Lee, 2017: Bay of Bengal Salinity Stratification and Indian Summer Monsoon Intraseasonal Oscillation: 1. Intraseasonal Variability and Causes. *J. Geophys. Res., Oceans*, 122, 4291-4311, DOI: 10.1002/2017JC012691.
  41. Li Y., **W. Han**, W. Wang, M. Ravichandran, T. Lee, and T. Shinoda, 2017: Bay of Bengal Salinity Stratification and Indian Summer Monsoon Intraseasonal Oscillation: 2. Impact on SST and convection. *J. Geophys. Res.*, 122, 4312-4328, DOI: 10.1002/2017JC012692. (AGU research highlight)
  42. Chen G., **W. Han**, Y. Li, M.J. McPhaden, J. Chen, WQ Wang, DX Wang, 2017: Strong Intraseasonal Variability of Meridional Currents near 5N in the Eastern Indian Ocean: Characteristics and Causes. *J. Phys. Oceanogr.*, 47, 979-996, DOI: <http://dx.doi.org/10.1175/JPO-D-16-0250.1>.
  43. Yuan D., Hu Xiaoyue, Xu Peng, Zhao Xia, Yukio Masumoto, and **W. Han**, 2017: The IOD-ENSO precursory teleconnection over the tropical Indo-Pacific Ocean: Dynamics and long-term trends under global warming. *Chinese Journal of Oceanology and Limnology*, Doi: 10.1007/s00343-018-6252-4.
  44. Srinivasu, U., M. Ravichandran, **W. Han**, S. Sivareddy, H. Rahman, Y. Li, and S. Nayak, 2017: Causes for the reversal of North Indian Ocean decadal sea level trend in recent two decades. *Clim. Dyn.*, DOI: 10.1007/s00382-017-3551-y .
  45. **Han, W.**, G. Meehl, D. Stammer, A. Hu, B. Hamlington, J. Kenigson, H. Palanisamy, and P. Thompson, 2017: Spatial Patterns of Sea Level Variability Associated With Natural Internal Climate Modes. *Surveys in Geophysics*, 38(1), 217-250, DOI:10.1007/s10712-016-9386-y.

46. Joseph Sudheer, M. Ravichandran, B. Praveen Kumar<sup>1</sup>, Raju V. Jampana, and **W. Han**, 2016: Ocean Atmospheric Thermal Decoupling in the Eastern Equatorial Indian Ocean. *Clim. Dyn.*, DOI: 10.1007/s00382-016-3359-1.
47. Chen, G., **W. Han**, Y. Shu, Y. Li, and Q. Xie, 2016: The Role of Equatorial Undercurrent in Sustaining the Eastern Indian Ocean Upwelling, *Geophys. Res. Lett.*, 43, DOI: 10.1002/2016GL069433.
48. Chen, G., **W. Han**, Y. Li, and D. Wang, 2016: Interannual Variability of Equatorial Eastern Indian Ocean Upwelling: Local versus Remote Forcing. *J. Phys. Oceanogr.*, 46, 789-807, doi:10.1175/JPO-D-15-0117.1.
49. Li Y., **W. Han**, W. Wang, and M. Ravichandran, 2016: Intraseasonal Variability of SST and Precipitation in the Arabian Sea during Indian Summer Monsoon: Impact of Ocean Mixed Layer Depth. *J. Clim.*, 29, 7889-7910, DOI: <http://dx.doi.org/10.1175/JCLI-D-16-0238.1>.
50. Li, Y., and **W. Han**, 2016: Causes for Intraseasonal Sea Surface Salinity Variability in the Western Tropical Pacific Ocean and Its Seasonality. *J. Geophys. Res.-Oceans*, 121, 85-103, doi:10.1002/2015JC011413.
51. Shinoda, T., **W. Han**, T. Jensen, L. Zamudio, E.J. Metzger, and R.-C. Lien, 2016: Impact of the Madden-Julian Oscillation on the Indonesian Throughflow in Makassar Strait during the CINDY/DYNAMO field campaign. *J. Clim.*, 29, 6085-6108 (DYNAMO/CINDY/AMIE/LASP special collection), DOI: <http://dx.doi.org/10.1175/JCLI-D-15-0711.1>
52. Suresh, I., J. Vialard, T. Izumo, M. Lengaigne, **W. Han**, J. McCreary, P.M. Muraleedharan, 2016: Dominant role of winds near Sri Lanka in driving seasonal sea-level variations along the west coast of India, *Geophys. Res. Lett.*, 43, doi: 10.1002/2016GL069976.
53. Hu, A., S. Levis, G.A. Meehl, **W. Han**, W.M. Washington, K.W. Oleson, B.J. van Ruijven, M. He, and W.G. Strand, 2016: Impact of Solar Panels on Global Climate. *Nature Climate Change*, 6, 290-294, doi:10.1038/nclimate2843.
54. Chen, G., **W. Han**, Y. Li, D. Wang, and T. Shinoda, 2015: Intraseasonal Variability of Upwelling in the Equatorial Eastern Indian Ocean. *J. Geophys. Res.-Oceans*, 120, 7598-7615, DOI: 10.1002/2015JC011223.
55. Li, Y., and **W. Han**, 2015: Decadal Sea level Variations in the Indian Ocean Investigated with HYCOM: Roles of Climate Modes, Ocean Internal Variability and Stochastic Wind Forcing. *J. Climate*, 28, 9143-9165, doi: <http://dx.doi.org/10.1175/JCLI-D-15-0252.1>.
56. Chen, G., **Han, W.**, Y. Li, D. Wang, and M. McPhaden, 2015: Seasonal-to-Interannual Time Scale Dynamics of the Equatorial Undercurrent in the Indian Ocean. *J. Phys. Oceanogr.*, 45, 1532-1553.
57. Hu, A., G. A. Meehl, **W. Han**, B. Otto-Blietner, A. Abe-Ouchi, N. Rosenbloom, 2015: Effects of the Bering Strait Closure on AMOC and Global Climate Under Different Background Climates. *Progress in Oceanography*, 132, 174-196.
58. Li, Y., **Han, W.**, and T. Lee, 2015: Intraseasonal Sea Surface Salinity Variability in the Equatorial Indo-Pacific Ocean Induced by Madden-Julian Oscillations. *J. Geophys. Res.-Oceans*, 120, 2233-2258.
59. Hamlington, B., M. Strassburg, R. Leben, **W. Han**, R.S. Nerem, and K.-Y. Kim, 2014: Uncovering the Anthropogenic Warming-Induced Sea Level Rise Signal in the Pacific Ocean. *Nature Climate Change*, 4, 782-785 (press release).
60. **Han W.**, J. Vialard, M.J. McPhaden, T. Lee, Y. Masumoto, M. Feng, and W. de Ruijter, 2014: Indian Ocean Decadal Variability: A Review. *Bull. Amer. Meteor. Soc.*, 95, 1679-1703. (Featured in BAMS cover page)

61. **Han W.**, G.A. Meehl, A. Hu, M. Alexander, T. Yamagata, D. Yuan, M. Ishii, P. Pegion, J. Zheng, B. Hamlington, X.-W. Quan, and R. Leben, 2014: Intensification of decadal and multi-decadal sea level variability in the western tropical Pacific during recent decades. *Climate Dynamics*, 43:1357-1379.
62. Kenigson, J., and **W. Han**, 2014: Detecting and understanding the accelerated sea level rise along the east coast of the United States during recent decades. *J. Geophys. Res.*, 119, 8749-8766.
63. Li, Y., **W. Han**, J. Wilkin, H. Arango, J. Zavala-Garay, J. Levin, and F. Castruccio, 2014: Interannual Variability of the Surface Summertime Eastward Jet in the South China Sea. *J. Geophys. Res.*, 119, 7205-7228.
64. Li Y., **W. Han**, T. Shinoda, C. Wang, M. Ravichandran, J.-W. Wang, 2014: Revisiting the Wintertime Intraseasonal SST Variability in the Tropical South Indian Ocean: Impact of the Ocean Interannual Variation. *J. Phys. Oceanogr.*, 44, 1886-1907.
65. Wang J.-W., and **W. Han**, 2014: The Bay of Bengal upper-ocean response to tropical cyclone forcings during 1999. *J. Geophys. Res.*, 119, 98-120.
66. Girish kumar, M. S., M. Ravichandran, and **W. Han**, 2013: Observed intraseasonal thermocline variability in the Bay of Bengal. *JGR-Oceans*, 118, 3336-3349.
67. Hu, A., G.A. Meehl, **W. Han**, J. Yin, B. Wu, M. Kimoto, 2013, Influence of continental ice retreat on future global climate, *J. Climate*, 26, 3087-3111.
68. Hu, A., G. A. Meehl, **W. Han**, J. Lu, G. Strand, 2013: Energy balance in a warm world without the ocean conveyor belt and sea ice. *Geophys. Res. Lett.*, 40, 6242–6246.
69. Li, Y., **W. Han**, T. Shinoda, C. Wang, R.-C. Lien, J.N. Moum, and J.W. Wang, 2013: Effects of solar radiation diurnal cycle on the tropical Indian Ocean mixed layer variability during wintertime Madden-Julian oscillation events. *J. Geophys. Res.*, 118, 4945-4964.
70. Li Y., F. Wang, and **W. Han**, 2013: Interannual sea surface salinity variations observed in the tropical North Pacific Ocean. *Geophys. Res. Lett.*, 40, 2194-2199.
71. Shinoda, T., Jensen, M. Flatau, S. Chen, **W. Han**, and C. Wang, 2013: Large-scale oceanic variability during the CINDY/DYNAMO field campaign from satellite observations. *Remote Sensing -Special issue "Observing the Ocean's Interior from Satellite Remote Sensing"*, 5, 2072-2092.
72. Suresh I., J. Vialard, M. Lengaigne **W. Han**, J. McCreary, F. Durand, P.M. Muraleedharan, 2013: Origins of wind-driven intraseasonal sealevel variations in the North Indian Ocean coastal waveguide. *Geophys. Res. Lett.*, 40, 1-5.
73. Trenary L., and **W. Han**, 2013: Local and remote forcing of decadal sea level and thermocline depth variability in the south Indian Ocean. *JGR-Oceans*, 118, 381-398.
74. Duncan B., and **W. Han**, 2012: Influence of atmospheric intraseasonal oscillations on seasonal and interannual variability in the upper Indian Ocean. *JGR-Oceans*, 117, C11028, doi:10.1029/2012JC008190.
75. Hu A., Gerald A. Meehl, **W. Han**, Axel Timmermann, Bette Otto-Bliesner, Zhengyu Liu, Warren M. Washington, William Large, Ayako Abe-Ouchi, Masahide Kimoto, Kurt Lambeck , Bingyi Wu, 2012: Role of the Bering Strait on the hysteresis of the ocean conveyor belt circulation and glacial climate stability. *Proceedings of the National Academy of Sciences (PNAS)*, 109, 6417-6422 (press release).
76. Hu A., Gerald A. Meehl, **W. Han**, Ayako Abe-Ouchi, Carrie Morrill, Yusuke Okazaki, Megumi O. Chikamoto, 2012: The Pacific-Atlantic seesaw and the Bering Strait. *Geophys. Res. Lett.*, 39, L03702, doi:10.1029/2011GL050567.
77. Shinoda T., **W. Han**, E. J. Metzger, and H.E. Hurlburt, 2012: Seasonal Variation of the

- Indonesian Throughflow in Makassar Strait. *J. Phys. Oceanogr.*, 42, 1099-1123.
78. Trenary L. and **W. Han**, 2012: Intraseasonal-to-interannual variability of South Indian Ocean sea level and thermocline: Remote versus local forcing. *J. Phys. Oceanogr.*, 42, 602-627.
  79. Wang J.-W., **W. Han**, and R. Sriver, 2012a: Impact of tropical cyclones on the ocean heat budget in the Bay of Bengal during 1999. Part I: model configuration and evaluation. *JGR-Oceans*, 117, C09020, doi:10.1029/2012JC008372.
  80. Wang J.-W., **W. Han**, and R. Sriver, 2012b: Impact of tropical cyclones on the ocean heat budget in the Bay of Bengal during 1999. Part II: processes and interpretations. *JGR-Oceans*, 117, C09021, doi:10.1029/2012JC008373.
  81. Yu Wei, **W. Han**, and D. Gochis, 2012: Influence of the Madden-Julian Oscillation and Intraseasonal Rossby waves on surface wind and convection of Tropical Atlantic Ocean. *J. Climate*, 25, 8057-8074.
  82. Arango H., J. Levin, E. Curchister, A. Moore, **W. Han**, A. Gordon, C. Lee and J. Girton, 2011: Development of a hindcast/forecast model for the Philippine archipelago. *Oceanography*, 24, 58-69.
  83. Hamlington B.D., R.R. Leben, R.S. Nerem, **W. Han**, and K.-Y. Kim, 2011: Reconstructing sea level using cyclostationary empirical orthogonal functions. *J. Geophys. Res.*, 116, C12015, 10.1029/2011JC007529.
  84. **Han W.**, J.P. McCreary, Y. Masumoto, J. Vialard, B. Duncan, 2011: Basin Resonances in the Equatorial Indian Ocean. *J. Phys. Oceanogr.*, 41, 1252-1270.
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