

# CURRICULUM VITAE

Fei-Fei JIN

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Date of Birth; 4/16/61

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## ACADEMIC POSITIONS

Professor, 7/2001—, University of Hawaii

Professor, 12/2003—6/2006, Florida State University

Associate Professor, 7/1997—6/2001

Assistant Professor, 2/1993—6/1997

Guest Professor, 1/1/2019—, Ocean University of China, Qingdao, China.

Guest Professor, 1/1/2016—, Nanjing University of Information Science  
and Technology, Nanjing, China.

Visiting Scientist, Institute of Marine Research, Kiel, Germany, 6-7/02

Visiting Associate Professor, CCSR, University of Tokyo, 3-8/00.

Guest investigator, Dept. of Physical Oceanography, WOH, 12/99-2/00.

Visiting Scientist, MPI, Hamburg, Germany, 8/11/99

Visiting Assistant Professor, Dept. of Atmos. Sciences., UCLA, 4-7/97.

Assistant Research Scientist, Dept. of Atmos. Sci., UCLA, 5/90–2/93.

Post-doctoral Fellow, Dept. of Atmos. Sciences., UCLA, 9/88-4/90.

Post-doctoral Fellow, Dept. of Meteor., Univ. of Reading, UK., 9/ 87-8/88.

Lecturer, Graduate School, Academia Sinica, PRC, 3/87-7/87.

Assistant Researcher, Inst. of Atmos. Phy., Academia Sinica, PRC, 1/86-8/87.

## EDUCATION

Ph.D., 1985, Atmospheric Dynamics, Academia Sinica, Beijing, PRC.

B.S., 1982, Meteorology, Nanjing Inst. of Meteor., Nanjing, PRC.

## RESEARCHING EXPERIENCE

### a) Research activity

The primary research activity has been focused on two areas: (i) understanding the dynamics of ENSO, (ii) the dynamics for climate variability and change. Research interests cover a broad range of topics on the dynamics of large-scale atmospheric and oceanic circulations and ~~as well~~ climate variability, such as dynamics of ENSO (El Niño-Southern Oscillation), of atmospheric low-frequency modes of tropics and mid-latitudes, ocean gyre circulation, atmospheric teleconnection, theories for Pacific decadal variability, dynamics of tropical climate mean state and global warming etc.

## b) Academic Service

In addition to the academic service within University of Hawaii, services to the research community at large include serving as one of co-conveners of sessions in EGU and AGU, and serving as AMS air-sea interaction committee, reviewing manuscripts from various journal in the field and proposals for national agencies in the relevant fields, serving as co-chair for Science Advisory Committee of Open Lab of Nation Climate Center of China.

## c) Awards and Fellowships

1986: Beijing Excellent Young Scientist Award, PRC.

1987: Royal Society Queen's Fellowship (for Chinese) of U. K.

2003: JSPS Fellowship, Japan Soc. For the Promotion of Sci. Japan.

2016: AGU fellow

2019: AMS Fellow, Sverdrup Gold Medal

## Publications Overview

- Total citations (Google Scholar counts): ~~13200~~20300+, H-index ~~70~~58 (as of ~~February~~April. 2017~~2020~~)
- High impact journal publications (**24**): **Science (2)** (1994, 1996), **Nature (4)** (2009, 2013, 2014, 2018), **Nature Geoscience (3)** (2010, 2013x2), **Nature Climate Change (8)**: (2013, 2014x3, 2015x3, 2018x2, 2020x1), **Nature Science Report (1)**: (2012), **Nature Communication (2)** (2015, 2019), **PNAS (1)** (2015), **BAMS (1)** 2015.
- Total publications ~~2~~35 (since 1990) + 10 (in Chinese, before 1990)~~180~~

## Publications in Referred English Journals

1. Malte F Stuecker, Axel Timmermann, Fei-Fei Jin, Cristian Proistosescu, Sarah M Kang, Doyeon Kim, Kyung-Sook Yun, Eui-Seok Chung, Jung-Eun Chu, Cecilia M Bitz, Kyle C Armour, Michiya Hayashi, 2020: [Strong remote control of future equatorial warming by off-equatorial forcing, Nature Climate Change, 1-6](#)
2. S Zhao, MF Stuecker, FF Jin, J Feng, HL Ren, W Zhang, J Li, 2020: [Improved Predictability of the Indian Ocean Dipole using a Stochastic-Dynamical Model compared to the North American Multi-model Ensemble Forecast, Weather and Forecasting](#)
3. J Boucharel, FF Jin, 2020: [A simple theory for the modulation of tropical instability waves by ENSO and the annual cycle, Tellus A: Dynamic Meteorology and Oceanography 72 \(1\), 1-14](#)
4. Z Huang, W Zhang, X Geng, FF Jin, 2020: [Recent Shift in the State of the Western Pacific Subtropical High due to ENSO Change, Journal of Climate 33 \(1\), 229-241](#)

5. Y Choi, KJ Ha, FF Jin, 2019: [Seasonality and El Niño Diversity in the Relationship between ENSO and Western North Pacific Tropical Cyclone Activity, Journal of Climate 32 \(23\), 8021-8045](#)
6. C Liu, W Zhang, MF Stuecker, FF Jin, 2019: [Pacific Meridional Mode-Western North Pacific Tropical Cyclone Linkage Explained by Tropical Pacific Quasi-Decadal Variability, Geophysical Research Letters 46 \(22\), 13346-13354](#)
7. HC Chen, FF Jin, 2019: [Fundamental Behavior of ENSO phase-locking, Journal of Climate](#)
8. C Liu, W Zhang, X Geng, MF Stuecker, FF Jin, 2019: [Modulation of tropical cyclones in the southeastern part of western North Pacific by tropical Pacific decadal variability, Climate Dynamics 53 \(7-8\), 4475-4488](#)
9. J Feng, J Li, FF Jin, Z Liu, S Zhao, 2019: [Effect of El Niño on the response ratio of Hadley circulation to different SST meridional structures, Climate Dynamics 53 \(7-8\), 3877-3891](#)
10. S Zhao, FF Jin, MF Stuecker, 2019: [Improved predictability of the Indian Ocean Dipole using seasonally modulated ENSO forcing forecasts, Geophysical Research Letters 46 \(16\), 9980-9990](#)
11. Qiuyun Wang, Jianping Li, Fei-Fei Jin, Johnny CL Chan, Chunzai Wang, Ruiqiang Ding, Cheng Sun, Fei Zheng, Juan Feng, Fei Xie, Yanjie Li, Fei Li, Yidan Xu, 2019: [Tropical cyclones act to intensify El Niño, Nature communications 10 \(1\), 1-13](#)
12. B Tian, HL Ren, FF Jin, MF Stuecker, 2019: [Diagnosing the representation and causes of the ENSO persistence barrier in CMIP5 simulations, Climate Dynamics 53 \(3-4\), 2147-2160](#)
13. Z Li, W Zhang, MF Stuecker, H Xu, FF Jin, C Liu, 2019: [Different Effects of Two ENSO Types on Arctic Surface Temperature in Boreal Winter, Journal of Climate 32 \(16\), 4943-4961](#)
14. W Zhang, S Li, FF Jin, R Xie, C Liu, MF Stuecker, A Xue, 2019: [ENSO regime changes responsible for decadal phase relationship variations between ENSO sea surface temperature and warm water volume, Geophysical Research Letters 46 \(13\), 7546-7553](#)
15. S Zhao, J Li, Y Li, FF Jin, J Zheng, 2019: [Interhemispheric influence of Indo-Pacific convection oscillation on Southern Hemisphere rainfall through southward propagation of Rossby waves, Climate dynamics 52 \(5-6\), 3203-3221](#)
16. Axel Timmermann, Soon-Il An, Jong-Seong Kug, Fei-Fei Jin, Wenju Cai, Antonietta Capotondi, Kim M Cobb, Matthieu Lengaigne, Michael J McPhaden, Malte F Stuecker, Karl Stein, Andrew T Wittenberg, Kyung-Sook Yun, Tobias Bayr, Han-Ching Chen, Yoshimitsu Chikamoto, Boris Dewitte, Dietmar Dommenges, Pamela Grothe, Éric Guilyardi, Yoo-Geun Ham, Michiya Hayashi, Sarah Ineson, Daehyun Kang, Sunyong Kim, Wonmoo Kim, June-Yi Lee, Tim Li, Jing-Jia Luo, Shayne Mcgregor, Yann Planton, Scott Power, Harun Rashid, Hong-Li Ren, Agus Santoso, Ken Takahashi, Alexander Todd, Guomin Wang, Guojian Wang, Ruihuang Xie, Woo-Hyun Yang, Sang-Wook Yeh, Jinho Yoon,

- Elke Zeller, Xuebin Zhang, 2019: [Author Correction: El Niño-Southern Oscillation complexity, Nature 567 \(7746\), E3](#)
17. C Sun, J Li, F Kucharski, IS Kang, FF Jin, K Wang, C Wang, R Ding, F Xie, 2019: [Recent acceleration of Arabian Sea warming induced by the Atlantic-western Pacific trans-basin multidecadal variability, Geophysical Research Letters 46 \(3\), 1662-1671](#)
  18. W Zhang, Z Wang, MF Stuecker, AG Turner, FF Jin, X Geng, 2019: [Impact of ENSO longitudinal position on teleconnections to the NAO, Climate dynamics 52 \(1-2\), 257-274](#)
  19. R Xie, FF Jin, 2019: [Understanding ENSO Complexity as a Result of ENSO Modes–Annual Cycle Interaction, 99th American Meteorological Society Annual Meeting](#)
  20. HL Ren, B Lu, FF Jin, 2019: [A Coupled Dynamic Index for ENSO Periodicity, 99th American Meteorological Society Annual Meeting](#)
  21. A Jo, JY Lee, A Timmermann, FF Jin, 2019: [Intensification of the seasonal cycle of Sea Surface Temperature due to Greenhouse Warming, Geophysical Research Abstracts 21](#)
  22. Axel Timmermann, Soon-Il An, Jong-Seong Kug, Fei-Fei Jin, WJ Cai, Antonietta Capotondi, Kim M Cobb, Matthieu Lengaigne, Michael J McPhaden, Malte F Stuecker, Karl Stein, Andrew T Wittenberg, Kyung-Sook Yun, Tobias Bayr, Han-Ching Chen, Yoshimitsu Chikamoto, Boris Dewitte, Dietmar Dommenges, Pamela Grothe, Eric Guilyardi, Yoo-Geun Ham, Michiya Hayashi, Sarah Ineson, Daehyun Kang, Sunyong Kim, W Kim, June-Yi Lee, Tim Li, Jing-Jia Luo, Shayne McGregor, Yann Planton, Scott Power, Harun Rashid, Hong-Li Ren, Agus Santoso, Ken Takahashi, Alexander Todd, GM Wang, GJ Wang, RH Xie, Woo-Hyun Yang, Sang-Wook Yeh, Jinho Yoon, Elke Zeller, XB Zhang, 2019: [El Niño-Southern Oscillation complexity \(vol 559, pg 535, 2019\), Nature 567 \(7746\), E3-E3](#)
  23. W Zhang, X Mei, X Geng, AG Turner, FF Jin, 2019: [A Nonstationary ENSO–NAO Relationship Due to AMO Modulation, Journal of Climate 32 \(1\), 33-43](#)
  24. Malte F Stuecker, Cecilia M Bitz, Kyle C Armour, Cristian Proistosescu, Sarah M Kang, Shang-Ping Xie, Doyeon Kim, Shayne McGregor, Wenjun Zhang, Sen Zhao, Wenju Cai, Yue Dong, Fei-Fei Jin, 2018: [Polar amplification dominated by local forcing and feedbacks, Nature Climate Change 8 \(12\), 1076-1081](#)
  25. J Feng, D Hu, F Jin, F Jia, Q Wang, S Guan, 2018: [The different relationship of Pacific interior subtropical cells and two types of ENSO, Journal of Oceanography 74 \(5\), 523-539](#)
  26. J Feng, J Li, F Jin, S Zhao, J Zhu, 2018: [Relationship between the Hadley circulation and different tropical meridional SST structures during boreal summer, Journal of Climate 31 \(16\), 6575-6590](#)
  27. Park K, SM Kang, D Kim, MF Stuecker, FF Jin, 2018: [Contrasting local and remote impacts of surface heating on polar warming and amplification, Journal of Climate 31 \(8\), 3155-3166](#)

28. Feng J, F Jin, D Hu, S Guan, 2018: [Oceanic processes of upper ocean heat content associated with two types of ENSO](#), *Journal of Oceanography* 74 (2), 219-238
29. Feng J, J Li, FF Jin, F Zheng, 2018: [A comparison of the response of the Hadley circulation to different tropical SST meridional structures during the equinox seasons](#), *Journal of Geophysical Research: Atmospheres* 123 (5), 2591-2604
30. Xie R, FF Jin, 2018: [Two Leading ENSO Modes and El Niño Types in the Zebiak–Cane Model](#), *Journal of Climate* 31 (5), 1943-1962
31. Chen YY, FF Jin, 2018: [Dynamical diagnostics of the SST annual cycle in the eastern equatorial Pacific: part I a linear coupled framework](#), *Climate Dynamics* 50 (5-6), 1841-1862
32. Zhang W, Z Wang, MF Stuecker, AG Turner, FF Jin, X Gen, 2018: [Impact of ENSO longitudinal position on teleconnections to the NAO](#), *Climate Dynamics*, DOI: 10.1007/s00382-018-4135-1
33. B Lu, FF Jin, HL Ren, 2018: [A Coupled Dynamic Index for ENSO Periodicity](#), *Journal of Climate*, 31, 2361–2376. DOI: 10.1175/JCLI-D-17-0466.1
34. Geng X, W Zhang, FF Jin, MF Stuecker, 2018: [A new method for interpreting nonstationary running correlations and its application to the ENSO - EAWM relationship](#), *Geophysical Research Letters*, DOI:10.1002/2017GL076564
35. Ham YG, JS Kug, JY Choi, FF Jin, M Watanabe, 2018: [Inverse relationship between present-day tropical precipitation and its sensitivity to greenhouse warming](#), *Nature Climate Change*, 8, 64–69
36. Hayashi M, FF Jin, 2018: [Subsurface Nonlinear Dynamical Heating and ENSO Asymmetry](#), *Geophysical Research Letters*, DOI:10.1002/2017GL075771
37. Chen YY, FF Jin, 2017: [Dynamical diagnostics of the SST annual cycle in the eastern equatorial Pacific: Part II analysis of CMIP5 simulations](#), *Climate Dynamics* 49 (11-12), 3923-3936
38. Kang SM, K Park, FF Jin, MF Stuecker, 2017: [Common warming pattern emerges irrespective of forcing location](#), *Journal of Advances in Modeling Earth Systems* 9 (6), 2413-2424
39. Karamperidou C, FF Jin, JL Conroy, 2017: [The importance of ENSO nonlinearities in tropical pacific response to external forcing](#), *Climate Dynamics* 49 (7-8), 2695-2704
40. Hu ZZ, A Kumar, B Huang, J Zhu, RH Zhang, FF Jin, 2017: [Asymmetric evolution of El Niño and La Niña: the recharge/discharge processes and role of the off-equatorial sea surface height anomaly](#), *Climate Dynamics* 49 (7-8), 2737-2748
41. Geng X, W Zhang, MF Stuecker, P Liu, FF Jin, G Tan, 2017: [Decadal modulation of the ENSO–East Asian winter monsoon relationship by the Atlantic Multidecadal Oscillation](#), *Climate Dynamics* 49 (7-8), 2531-2544
42. Feng J, J Li, F Jin, S Zhao, F Xie, 2017: [The responses of the Hadley circulation to different meridional SST structures in the seasonal cycle](#), *Journal of*

[Geophysical Research: Atmospheres, 122, 7785–7799, DOI: 10.1002/2017JD026953](#)

43. Huang HC, J Boucharel, II Lin, FF Jin, CC Lien, IF Pun, 2017: [Air - sea fluxes for Hurricane Patricia \(2015\): Comparison with supertyphoon Haiyan \(2013\) and under different ENSO conditions](#), *Journal of Geophysical Research: Oceans*, 122, 6076–6089, doi: 10.1002/2017JC012741.
44. Kim ST, HI Jeong, FF Jin, 2017: [Mean Bias in Seasonal Forecast Model and ENSO Prediction Error](#), *Scientific Reports* 7 (1), 6029
45. Sun C, F Kucharski, J Li, FF Jin, IS Kang, R Ding, 2017: [Western tropical Pacific multidecadal variability forced by the Atlantic multidecadal oscillation](#), *Nature communications* 8, 15998
46. Geng X, W Zhang, MF Stuecker, FF Jin, 2017: [Strong sub-seasonal wintertime cooling over East Asia and Northern Europe associated with super El Niño events](#), *Scientific reports* 7 (1), 3770
47. Wang LC, FF Jin, CR Wu, 2017: [Dynamics of simulated Atlantic upwelling annual cycle in CMIP5 models](#), *Journal of Geophysical Research: Oceans*, DOI: 10.1002/2017JC012781
48. Ren HL, FF Jin, L Song, B Lu, B Tian, J Zuo, Y Liu, J Wu, C Zhao, Y Nie, et al. 2017: [Prediction of primary climate variability modes at the Beijing Climate Center](#), *Journal of Meteorological Research* 31 (1), 204-223
49. Wang, L.-C., Jin F.-F., Wu C.-R., Hsu H.-H., 2017: [Dynamics of Upwelling Annual Cycle in the Equatorial Atlantic Ocean](#), *GRL*, DOI: 10.1002/2017GL072588
50. Stuecker, M., Timmermann A., Jin F.-F., Chikamoto Y., Zhang W.-J., Wittenberg A., Widiasih E., Zhao S., 2017: [Revisiting ENSO/Indian Ocean Dipole phase relationships](#), *GRL*, DOI: 10.1002/2016GL072308
51. Levine, A., Jin F.-F., Stuecker M., 2017: [A simple approach to quantifying the noise–ENSO interaction. Part II: the role of coupling between the warm pool and equatorial zonal wind anomalies](#), *Climate Dynamics*, DOI: 10.1007/s00382-016-3268-3
52. Levine, A., Jin F.-F., 2017: [A simple approach to quantifying the noise–ENSO interaction. Part I: deducing the state-dependency of the windstress forcing using monthly mean data](#), *Climate Dynamics*, DOI: 10.1007/s00382-015-2748-1
53. Xie, F., Li J.-P., Tian W.-S., Fu Q., Jin F.-F., Hu Y.-Y., Zhang J.-K., Wang W.-K., Sun C., Feng J. Yang Y., Ding R.-Q., 2016: [A connection from Arctic stratospheric ozone to El Niño–Southern oscillation](#), *ERL*, DOI: 10.1088/1748-9326/11/12/124026
54. Feng, J., Li J.-P., Jin F.-F., Liu Z.-Y., Nan X., Guo Y.-P., 2016: [Contrasting Responses of the Hadley Circulation to Equatorially Asymmetric and Symmetric Meridional Sea Surface Temperature Structures](#), *J Climate*, DOI: 10.1175/JCLI-D-16-0171.1

55. Boucharel, J., Jin F.-F., England N., Lin I. I., 2016: [Modes of hurricane activity variability in the eastern Pacific: Implications for the 2016 season, GRL, DOI: 10.1002/2016GL070847](#)
56. Zhang, W.-J., Jin F.-F., Stuecker M., Wittenberg A., Timmermann A., Ren H.-L., Kug J.-S., Cai W.-J., Cane M., 2016: [Unraveling El Niño's impact on the East Asian Monsoon and Yangtze River summer flooding, GRL, DOI: 10.1002/2016GL071190](#)
57. Geng, X., Zhang W.-J., Stuecker M., Liu P., Jin F.-F., Tan G.-R., 2016: [Decadal modulation of the ENSO–East Asian winter monsoon relationship by the Atlantic Multidecadal Oscillation, Climate Dynamics, DOI: 10.1007/s00382-016-3465-0](#)
58. Boucharel, J., England M., Dewwitt B., Lin I. I., Huang H. C., Balmaseda M., 2016: [Influence of Oceanic Intraseasonal Kelvin Waves on Eastern Pacific Hurricane Activity, J Climate, DOI: 10.1175/JCLI-D-16-0112.1](#)
59. Ren, H.-L., Jin F.-F., Tian B., Scaife A., 2016: [Distinct persistence barriers in two types of ENSO, GRL, DOI: 10.1002/2016GL071015](#)
60. Levine Aaron, Fei Fei Jin, Michael J McPhaden, 2016: [Extreme Noise-Extreme El Niño: How State-Dependent Noise Forcing Creates El Niño-La Niña Asymmetry, Journal of Climate, DOI: 10.1175/JCLI-D-16-0091.1](#)
61. Boucharel J, Fei-Fei Jin, II Lin, Hsiao-Ching Huang, Matthew H England, 2016: [Different Control of Tropical Cyclone Activity in the Eastern Pacific for Two Types of El Niño: GRL, DOI: 10.1002/2016GL067728](#)
62. Stuecker M F, Fei-Fei Jin, Axel Timmermann, Shayne McGregor, 2016: [Reply to “Comments on Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone”, J Climate, DOI: 10.1175/JCLI-D-15-0558.1](#)
63. Wenjun Zhang, Haiyan Li, Malte F Stuecker, Fei-Fei Jin, Andrew G Turner, 2015: [A New Understanding of El Niño’s Impact over East Asia: Dominance of the ENSO Combination Mode: Journal of Climate, DOI: 10.1175/JCLI-D-15-0104.1](#)
64. XIE R, FF JIN, F HUANG: [An Improved Atmospheric Component of Zebiak-Cane Model for Simulating ENSO Winds, 气象集誌. 第 2 輯 93 \(5\), 535-550, 2015, DOI: 10.2151/jmsj.2015-033](#)
65. Malte F. Stuecker, Fei-Fei Jin, Axel Timmermann, and Shayne McGregor, 2015: [Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone. J. Climate, 28, 1093–1111. DOI: 10.1175/JCLI-D-14-00225.1](#)
66. Cai ,Wenju, Guojian Wang, Agus Santoso, Michael J McPhaden, Lixin Wu, Fei-Fei Jin, Axel Timmermann, Mat Collins, Gabriel Vecchi, Matthieu Lengaigne, Matthew H England, Dietmar Dommenges, Ken Takahashi, Eric Guilyardi, 2015: [Increased Frequency of Extreme La Niña Events under Greenhouse](#)

- [Warming, \*Nature Climate Change\* vol 5, 132–137, 2015. DOI: 10.1038/nclimate2492](#)
67. Xie Ruihuang, Fei Huang, Fei-Fei Jin, Jian Huang: [The Impact of Basic State on Quasi-Biennial Periodicity of Central Pacific ENSO over the Past Decade, \*Theoretical and Applied Climatology\*, vol 120, 1-2, 55-67, 2015, DOI: 10.1007/s00704-014-1150-y](#)
68. Chikamoto, Yoshimitsu, Axel Timmermann, Jing-Jia Luo, Takashi Mochizuki, Masahide Kimoto, Masahiro Watanabe, Masayoshi Ishii, Shang-Ping Xie, Fei-Fei Jin: [Skilful Multi-year Predictions of Tropical Trans-Basin Climate Variability, \*Nature Communications\*, vol 6, 2015, DOI: 10.1038/ncomms7869](#)
69. Christina Karamperidou, Pedro N Di Nezio, Axel Timmermann, Fei-Fei Jin, Kim M Cobb: [The Response of ENSO Flavors to Mid-Holocene Climate: Implications for Proxy Interpretation, \*Paleoceanography\*, vol 30, 527-547, 2015, DOI: 10.1002/2014PA002742](#)
70. Julien Boucharel, Axel Timmermann, Agus Santoso, Matthew H England, Fei-Fei Jin, Magdalena A Balmaseda: [A Surface Layer Variance Heat Budget for ENSO, \*GRL\*, vol 42, 3529-3537, 2015, DOI: 10.1002/2015GL063843](#)
71. Antonietta Capotondi, Andrew T. Wittenberg, Matthew Newman, Emanuele Di Lorenzo, Jin-Yi Yu, Pascale Braconnot, Julia Cole, Boris Dewitte, Benjamin Giese, Eric Guilyardi, Fei-Fei Jin, Kristopher Karnauskas, Benjamin Kirtman, Tong Lee, Niklas Schneider, Yan Xue, and Sang-Wook Yeh, 2015: [Understanding ENSO Diversity. \*Bull. Amer. Meteor. Soc.\*, 96, 921–938. DOI: 10.1175/BAMS-D-13-00117.1](#)
72. Wenjun Zhang, Haiyan Li, Fei-Fei Jin, Malte F. Stuecker, Andrew G. Turner, and Nicholas P. Klingaman, 2015: [The Annual-Cycle Modulation of Meridional Asymmetry in ENSO’s Atmospheric Response and Its Dependence on ENSO Zonal Structure. \*J. Climate\*, 28, 5795–5812. DOI: 10.1175/JCLI-D-14-00724.1](#)
73. Aaron FZ Levine, Fei Fei Jin: [A Simple Approach to Quantifying The Noise–ENSO Interaction. Part I: Deducing The State-dependency of the Windstress Forcing Using Monthly Mean Data, \*Climate Dynamics\*, 1-18, 2015, DOI: 10.1007/s00382-015-2748-1](#)
74. Seul-Hee Im, Soon-Il An, Seon Tae Kim, Fei-Fei Jin: [Feedback Processes Responsible for El Niño-La Niña Amplitude Asymmetry, \*GRL\* vol 42, 5556-5563, 2015, DOI: 10.1002/2015GL064853](#)
75. Yanjie Li, Jianping Li, Fei Fei Jin, and Sen Zhao, 2015: [Interhemispheric Propagation of Stationary Rossby Waves in a Horizontally Nonuniform Background Flow. \*J. Atmos. Sci.\*, 72, 3233–3256. DOI: 10.1175/JAS-D-14-0239.1](#)



76. Hong-Li Ren, Jinqing Zuo, Fei-Fei Jin, Malte F Stuecker: [ENSO and Annual Cycle Interaction: The Combination Mode Representation in CMIP5 Models Climate Dynamics, 2015, DOI: 10.1007/s00382-015-2802-z](#)
77. Wenju Cai, Agus Santoso, Guojian Wang, Sang-Wook Yeh, Soon-Il An, Kim M Cobb, Mat Collins, Eric Guilyardi, Fei-Fei Jin, Jong-Seong Kug, Matthieu Lengaigne, Michael J McPhaden, Ken Takahashi, Axel Timmermann, Gabriel Vecchi, Masahiro Watanabe, Lixin Wu: [ENSO and Greenhouse Warming, Nature Climate Change, 2015, DOI: 10.1038/nclimate2743](#)
78. Malte F Stuecker, Axel Timmermann, Jinhee Yoon, Fei-Fei Jin: [Tropospheric Biennial Oscillation \(TBO\) Indistinguishable from White Noise, GRL. Vol 42, 7785-7791, 2015, DOI: 10.1002/2015GL065878](#)
79. Cheng Sun, Jianping Li, Fei-Fei Jin: [A Delayed Oscillator Model for the Quasi-Periodic Multidecadal Variability of the NAO Climate Dynamics, 45, 2083-2099, 2015, DOI: 10.1007/s00382-014-2459-z](#)
80. Wenjun Zhang, Yalan Wang, Fei-Fei Jin, Malte F Stuecker, Andrew G Turner: [Impact of Different El Niño Types on the El Niño/IOD Relationship, GRL 42, 8570-8576, 2015, DOI: 10.1002/2015GL065703](#)
81. F-F Jin, J Boucharel, I-I Lin: [Jin et al. Reply, Nature, vol 526, 7575, 2015, DOI: 10.1038/nature15547](#)
82. Agus Santoso, Wenju Cai, Mat Collins, Mike McChaden, Fei-Fei Jin, Eric Guilyardi, Gabriel Vecchi, Dietmar Dommenges, Guojian Wang: [Enso Extremes and Diversity: Dynamics, Teleconnections, and Impacts, Bulletin of the American Meteorological Society, vol 96, 1969, 2015, DOI: 10.1175/BAMS-D-15-00141.1](#)
83. Shayne McGregor, Axel Timmermann, Fei-Fei Jin, William S Kessler: [Charging El Niño with Off-equatorial Westerly Wind Events, Climate Dynamics, 2015, DOI: 10.1007/s00382-015-2891-8](#)
84. Malte F Stuecker, Fei-Fei Jin, Axel Timmermann: [El Niño– Southern Oscillation Frequency Cascade, Proceedings of the National Academy of Sciences, vol 112, 13490-13495, 2015, DOI: 10.1073/pnas.1508622112](#)
85. Zhang, W., F.-F. Jin, and A. Turner, 2014: [Increasing Autumn Drought Over Southern China Associated with ENSO Regime Shift, Geophys. Res. Lett., 41, DOI: 10.1002/2014GL060130.](#)
86. REN Hong-Li, LIU Ying, JIN Fei-Fei, YAN Yu-Ping, LIU Xiang-Wen: [Application of the Analogue-Based Correction of Errors Method in ENSO](#)

- [Prediction. Atmospheric and Oceanic Science Letters, 2014, 7\(2\): 157-16, DOI: 10.3878/j.issn.1674-2834.13.0080](#)
87. Kim, Seon Tae, Wenju Cai, Fei-Fei Jin, Jin-Yi Yu: [ENSO Stability in Coupled Climate Models and Its Association With Mean State, Climate Dynamics, vol. 42, 3313-3321, 2014, DOI: 10.1007/s00382-013-1833-6](#)
  88. Tan GR, FF Jin, HL Ren, ZB Sun: [The Role of Eddy Feedback in the Excitation of the NAO, Meteorological Applications, vol 21, 768-776, 2014, DOI: 10.1002/met.1415](#)
  89. McGregor Shayne, Axel Timmermann, Malte F Stuecker, Matthew H England, Mark Merrifield, Fei-Fei Jin, Yoshimitsu Chikamoto, 2014: [Recent Walker Circulation Strengthening and Pacific Cooling Amplified by Atlantic Warming, Nature Climate Change 4 \(10\), 888-892, DOI: 10.1038/nclimate2330](#)
  90. Karl Stein, Axel Timmermann, Niklas Schneider, Fei-Fei Jin, and Malte F. Stuecker, 2014: [ENSO Seasonal Synchronization Theory. J. Climate, 27, 5285–5310. DOI: 10.1175/JCLI-D-13-00525.1](#)
  91. C Sun, J Li, FF Jin, F Xie: [Contrasting Meridional Structures of Stratospheric and Tropospheric Planetary Wave Variability in the Northern Hemisphere, Tellus A 66, 2014, DOI: 10.3402/tellusa.v66.25303](#)
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