

# CURRICULUM VITAE

Fei-Fei JIN

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Date of Birth; 4/16/61

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## ACADEMIC POSITIONS

Professor, 7/06—, University of Hawaii

Professor, 12/03—6/06, Florida State University

Professor, 7/01—11/03, University of Hawaii

Associate Professor, 7/97—6/01

Assistant Professor, 2/93—6/97

Senior fellow, JIMAR. 7/1997—

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, WOHI, 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

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

## 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 (2003-2008) and AGU (2008), and serving as AMS air-sea interaction committee (2004-2009), 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

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

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

1986: Beijing Excellent Young Scientist Award, PRC.

## Publications Overview

- Total citations (Google Scholar counts): 13200, H-index 58 (as of April. 2017)
- High impact journal publications (**19**): **Science (2)** (1994, 1996), **Nature (3)** (2009, 2013, 2014), **Nature Geoscience (3)** (2010, 2013x2), **Nature Climate Change (7)**: (2013, 2014x3, 2015x3), **Nature Science Report (1)**: (2012), **Nature Communication (1)** (**2015**), **PNAS (1)** (**2015**), **BAMS (1)** **2015**.
- Total publication since 1990: 180

## Publications in Referred English Journals

1. 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](#)
2. Stuecker, M., Timmermann A., Jin F.-F., Chikamoto Y., Zhang W.-J., Wittenberg A., Widiastih E., Zhao S., 2017: [Revisiting ENSO/Indian Ocean Dipole phase relationships, GRL, DOI: 10.1002/2016GL072308](#)
3. 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](#)
4. 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](#)
5. 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](#)

6. 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](#)
7. 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](#)
8. 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](#)
9. 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](#)
10. 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](#)
11. Ren, H.-L., Jin F.-F., Tian B., Scaife A., 2016: [Distinct persistence barriers in two types of ENSO](#), *GRL*, DOI: [10.1002/2016GL071015](#)
12. 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](#)
13. 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](#)
14. 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](#)
15. 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](#)
16. 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](#)
17. 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](#)
18. 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 Dommenget, 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](#)
19. 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](#)
  20. 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](#)
  21. 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](#)
  22. 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](#)
  23. 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](#)
  24. 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](#)
  25. 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](#)
  26. 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](#)
  27. 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](#)
28. 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](#)
  29. 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](#)
  30. 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](#)
  31. 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](#)
  32. 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](#)
  33. F-F Jin, J Boucharel, I-I Lin: [Jin et al. Reply, Nature, vol 526, 7575, 2015, DOI: 10.1038/nature15547](#)
  34. 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](#)
  35. 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](#)
  36. 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](#)
  37. 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.](#)

38. 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](#)
39. 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](#)
40. 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](#)
41. 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](#)
42. 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](#)
43. 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](#)
44. Jin FF, J Boucharel, II Lin: [Eastern Pacific Tropical Cyclones Intensified by El Niño Delivery of Subsurface Ocean Heat, Nature 516 \(7529\), 82-85, 2014, DOI:](#)
45. Hong-Li Ren, Fei-Fei Jin, Jong-Seong Kug, 2014: [Eddy-Induced Growth Rate of Low-Frequency Variability and its Mid-Late Winter Suppression in the Northern Hemisphere, J. Atmospheric Science, DOI: 10.1175/JAS-D-13-0221.1](#)
46. Neil J Holbrook, Jianping Li, Matthew Collins, Emanuele Di Lorenzo, Feifei Jin, Thomas Knutson, Mojib Latif, Chongyin Li, Scott B Power, Rhonghui Huang, Guoxiong Wu, 2014: [Decadal Climate Variability and Cross-Scale Interactions: ICCL 2013 Expert Assessment Workshop, BAMS, DOI: 10.1175/BAMS-D-13-00201.1](#)
47. Hong, L.-C., LinHo, and F.-F. Jin, 2014: [A Southern Hemisphere Booster of Super El Niño, Geophys. Res. Lett., 41, 2142–2149, DOI: 10.1002/2014GL059370](#)
48. Ruihuang Xie, Fei Huang, Fei-Fei Jin, Jian Huang, 2014: [The Impact of Basic State on Quasi-Biennial Periodicity of Central Pacific ENSO over the Past Decade, Theoretical and Applied Climatology, DOI: 10.1007/s00704-014-1150-](#)

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49. Kim, S.-T., W. Cai, F.-F. Jin, A. Santoso, L. Wu, E. Guilyardi, S.-I. An, 2014: [Robust Time-varying Response of El Niño -La Nina Ocean Temperatures to Greenhouse Warming. Nature Climate Change, 4 \(9\), 786-790, DOI: 10.1038/nclimate2326](#)
50. Cai, W., S. Borlace, M. Lengaigne, P. van Rensch, M. Collins, G. Vecchi, A. Timmermann, A. Santoso, M. McPhaden, L. Wu, M. H. England, G. Wang, E. Guilyardi, and F.-F. Jin, 2014: [Increasing Frequency of Extreme El Niño Events due to Greenhouse Warming. Nature Climate Change, 4, 111-116, DOI: 10.1038/nclimate2100](#)
51. Santoso, A., S. McGregor, F.-F. Jin, W. Cai, M. H. England, S.-I. An, M. McPhaden, E. Guilyardi, 2013: [Late-twentieth-century Emergence of the El Niño Propagation Asymmetry and Future Projections. Nature, 504, 126-130, DOI: 1038/nature12683](#)
52. Seon Tae Kim, Wenju Cai, Fei-Fei Jin, Jin-Yi Yu 2013: [ENSO Stability in Coupled Climate Models and Its Association with Mean State, Climate Dynamics](#)
53. REN Hong-Li, JIN Fei-Fei, FS Malte, XIE Ruihuang, 2013: [ENSO Regime Change since the Late 1970s as Manifested by Two Types of ENSO, DOI: 10.2151/jmsj.2013-608](#)
54. Stuecker, M F, A Timmermann, F-F Jin, S McGregor, H-L Ren 2013: [A Combination Mode of the Annual Cycle and the El Niño/Southern Oscillation Nature Geoscience Volume: 6, Pages: 540–544, DOI: 10.1038/ngeo1826](#)
55. Afzaal, K, J Li, F-F Jin, 2013: [The Asymmetric Influence of the Two Types of El Niño and La Niña on Summer Rainfall over Southeast China. J. Climate, 26, 4567–4582, DOI: 10.1175/JCLI-D-12-00324.1](#)
56. Ham Y, J-S Kug, J-Y Park F-F Jin, 2013: [Sea Surface Temperature in the North Tropical Atlantic as a Trigger for El Niño/Southern Oscillation Events, Nature Geoscience: Volume:6, Pages:112–116, DOI: 10.1038/ngeo1686](#)
57. Y-S Jang, D Kim, Y Kim, D-H Kim, M Watanabe, F-F Jin, J-S Kug, 2013: [Simulation of Two Types of El Niño from Different Convective Parameters: Asia-Pacific Journal of Atmospheric Sciences , Volume 49, Issue 2, pp 193-199, DOI: 10.1007/s13143-013-0020-3](#)
58. Ren, H-L, F-F Jin, 2013: [Recharge Oscillator Mechanisms in Two Types of ENSO. J. Climate, 26, 6506–6523, DOI: 10.1175/JCLI-D-12-00601.1](#)
59. Zhang, W, F-F Jin, J-X Zhao, Li Qi, H-L Ren, 2013: [The Possible Influence of a Nonconventional El Niño on the Severe Autumn Drought of 2009 in Southwest China. J. Climate, 26, 8392–8405, DOI: 10.1175/JCLI-D-12-00851.1](#)

60. Zhang, W., F-F Jin, J-X Zhao, J Li, 2013: [On the Bias in Simulated ENSO SSTA Meridional Widths of CMIP3 Models. J. Climate, 26, 3173–3186, DOI: 10.1175/JCLI-D-12-00347.1](#)
61. Boucharel J. A. Timmermann and F-F Jin, 2013: [Zonal Phase Propagation of ENSO Sea Surface Temperature Anomalies: Revisited, GRL, DOI: 10.1002/grl.50685](#)
62. Li J, C. Sun, and F-F Jin, 2013: [NAO Implicated as a Predictor of Northern Hemisphere Mean Temperature Multidecadal Variability, GRL, DOI: 10.1002/2013GL057877](#)
63. Sun C. J. Li, F-F Jin and R. Ding, 2013: [Sea Surface Temperature Inter-hemispheric Dipole and Its Relation to Tropical Precipitation Environ. Res. Lett. 8 044006, DOI: 10.1088/1748-9326/8/4/044006](#)
64. Gui-Rong Tan, Fei-Fei Jin, Hong-Li Re Zhao-Bo Sun, 2013: [The Role of Eddy Feedback in the Excitation of the NAO, Meteor. Applications, DOI: 10.1002/met.1415](#)
65. Hu, Z-Z, A Kumar, H-L Ren, H Wang, M L'Heureux, F-F Jin 2013: [Weakened interannual variability in the tropical Pacific Ocean since 2000. J. Climate, 26, 2601–2613, DOI: 10.1175/JCLI-D-12-00265.1](#)
66. Watanabe, M. J-S Kug, F-F Jin, M. Collins, M. Ohba, A. T Wittenberg, 2012: [Uncertainty in the ENSO Amplitude Change from the Past to the Future, DOI: 10.1029/2012GL053305](#)
67. Zhang W. and F-F Jin 2012: [Improvements in the CMIP5 simulations of ENSO-SSTA meridional width, DOI: 10.1029/2012GL053588](#)
68. Lee S, J-Y Lee, B Wang, K-J Ha, K-Y Heo, F-F Jin, D M Straus, J Shukla, 2012: [Interdecadal changes in the storm track activity over the North Pacific and North Atlantic, Climate Dynamics July 2012, Volume 39, Issue 1-2, pp 313-327, DOI: 10.1007/s00382-011-1188-9](#)
69. ZHANG W, F-F JIN, H-L REN, 2012: [Differences in Teleconnection over the North Pacific and Rainfall Shift over the USA Associated with Two Types of El Niño during Boreal Autumn. Journal of the Meteorological Society of Japan 90 \(4\), 535-552, DOI: 10.2151/jmsj.2012-407](#)
70. Kug J-S, Y-G Ham, J-Y Lee, F-F Jin, 2012: [Improved Simulation of Two Types of El Niño in CMIP5 Models. Environmental Research Letters 7 \(3\), 034002, DOI:10.1088/1748-9326/7/3/034002](#)
71. Lee S-S, J-Y Lee, B Wang, K-J Ha, K-Y Heo, F-F Jin, D-M Straus, J Shukla, 2012: [Interdecadal Changes in the Storm Track Activity over the North Pacific and North Atlantic. Climate dynamics. 39 p313-327, DOI: 10.1007/s00382-011-1188-9](#)



72. Wu G, Y Liu, B He, Q Bao, A Duan, F-F Jin 2012: [Thermal Controls on the Asian Summer Monsoon, Nature Scientific Reports, DOI: 10.1038/srep00404](#)
73. Xiang, B, B Wang, Q Ding, FF Jin, X Fu, HJ Kim, 2012: [Reduction of the Thermocline Feedback Associated with Mean SST Bias in ENSO Simulation. Climate dynamics, 39, p1413, DOI: 10.1007/s00382-011-1164-4](#)
74. Chikamoto, M Kimoto, M Ishii, M Watanabe, T Nozawa, T Mochizuki, H Tatebe, 2012: [Predictability of a Stepwise Shift in Pacific Climate during the Late 1990s in Hindcast Experiments using MIROC. Journal of the Meteorological Society of Japan 90 \(1\), 1-21, DOI: 10.2151/jmsj.2012-A01](#)
75. An SI, J-H Park, B-M Kim, A Timmermann, F-F Jin, 2012: [Impacts of Ocean Gateway and Basin Width on Tertiary Tropical Climate Variability in a Prototype Model. Theoretical and Applied Climatology 107 \(1\), 155-164, DOI: 10.1007/s00704-011-0469-x](#)
76. Ren, Hong-Li, Fei-Fei Jin, Li Gao, 2012: [Anatomy of Synoptic Eddy-NAO Interaction Through Eddy-Structure Decomposition. J. Atmos. Sci., in press, DOI: 10.1175/JAS-D-11-069.1](#)
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78. Lee SS, JY Lee, B Wang, FF Jin, WJ Lee, KJ Ha, 2011: [A Comparison of Climatological Subseasonal Variations in the Wintertime Storm Track Activity between the North Pacific and Atlantic: Local Energetics and Moisture Effect. Climate Dynamics. Vol37 p2455-2469, DOI: 10.1007/s00382-011-1027](#)
79. Kim D, YS Jang, DH Kim, YH Kim, M Watanabe, FF Jin, JS Kug, 2011: [El Nino-Southern Oscillation Sensitivity to Cumulus Entrainment in a Coupled General Circulation Model. Journal Of Geophysical Research-Atmospheres Vol116, D22112, DOI: 10.1029/2011JD016526](#)
80. Zhang WJ, FF Jin, JP Li, HL Ren, 2011: [Contrasting Impacts of Two-type El Nino over the Western North Pacific during Boreal. Journal Of The Meteorological Society of Japan Vol 89, p563-569, DOI: 10.2151/jmsj.2011-510](#)
81. Ren, H.-L., and F.-F. Jin, 2011: [Niño indices for two types of ENSO, Geophys. Res. Lett., 38, L04704, DOI: 10.1029/2010GL046031](#)
82. JS Kug, FF Jin, and HL Ren, 2010: [Role of Synoptic Eddies on Low-frequency Precipitation Variation. Journal of Geophysical Research-Atmospheres. Vol 115, D19115, DOI: 10.1029/2009JD013675](#)
83. Timmermann A., S. McGregor and FF Jin, 2010: [Wind Effects on Past and Future Regional Sea Level Trends in the Southern Indo-Pacific. Journal Of Climate, Vol 23, p 4429-4437, DOI: 10.1175/2010JCLI3519.1](#)

84. Jin F.-F., 2010: [Eddy-induced Instability for Low-frequency Variability. J. Atmos. Sci. 67: 1947-1964, DOI: 10.1175/2009JAS3185.1](#)
85. Ren, H.-L., F.-F. Jin, J.-S. Kug, and L. Gao, 2010: [Transformed Eddy-PV Flux and Positive Synoptic Eddy Feedback onto Low-frequency Flow. Clim. Dyn., DOI: 10.1007/s00382-010-0913-0](#)
86. Kug, J.-S., F.-F. Jin, J.-H. Park, H.-L. Ren, and I.-S. Kang, 2010: [A General Rule for Synoptic-Eddy Feedback onto Low-frequency Flow. Clim. Dyn., DOI: 10.1007/s00382-009-0606-8](#)
87. Kim S.-T. and F.-F. Jin, 2010: [An ENSO Stability Analysis. Part I: Results from a Hybrid Coupled Model. Clim. Dyn., DOI: 10.1007/s00382-010-0796-0](#)
88. Kim S.-T. and F.-F. Jin. 2010: [An ENSO Stability Analysis. Part II: Results from the Twentieth and Twenty-first Century Simulations of the CMIP3 Models. Clim. Dyn., DOI: 10.1007/s00382-010-0872-5](#)
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