# Ping Chang

List of Publications by Year
in descending order

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| 169 | 13,423 | 38742 50 | 23533 111 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 177 | 177 | 177 | 10492 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Some theoretical considerations on predictability of linear stochastic dynamics. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 55, 148. | 1.7 | 5 |
| 2 | Barrier layers and tropical Atlantic SST biases in coupled GCMs. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 60, 885. | 1.7 | 65 |
| 3 | The Barrier Layer of the Atlantic warm pool: Formation mechanism and influence on the mean climate. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18162. | 1.7 | 38 |
| 4 | Impact of Different Wind Representations on Resonant Ocean Near-inertial Motions in the Gulf of Mexico. Ocean Science Journal, 2022, 57, 25-36. | 1.3 | 1 |
| 5 | Threat by marine heatwaves to adaptive large marine ecosystems in an eddy-resolving model. Nature Climate Change, 2022, 12, 179-186. | 18.8 | 32 |
| 6 | El NiÃ±o/Southern Oscillation inhibited by submesoscale ocean eddies. Nature Geoscience, 2022, 15, 112-117. | 12.9 | 16 |
| 7 | Role of Seaâ€Surface Salinity in Simulating Historical Decadal Variations of Atlantic Meridional Overturning Circulation in a Coupled Climate Model. Geophysical Research Letters, 2022, 49, . | 4.0 | 5 |
| 8 | A Comparison between the Kuroshio Extension and Pineapple Express Atmospheric Rivers Affecting the West Coast of North America. Journal of Climate, 2022, 35, 3905-3925. | 3.2 | 2 |
| 9 | On the Intermittent Occurrence of Openâ€Ocean Polynyas in a Multiâ€Century Highâ€Resolution Preindustrial Earth System Model Simulation. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 2 |
| 10 | The Impact of Horizontal Resolution on Projected Seaâ€Level Rise Along US East Continental Shelf With the Community Earth System Model. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 3.8 | 7 |
| 11 | Improving the Understanding of Atmospheric River Water Vapor Transport Using a Threeâ€Dimensional Straightened Composite Analysis. Journal of Geophysical Research D: Atmospheres, 2022, 127, . | 3.3 | 1 |
| 12 | Role of Ocean and Atmosphere Variability in Scaleâ€Dependent Thermodynamic Airâ€Sea Interactions. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 6 |
| 13 | Impact of the Benguela coastal low-level jet on the southeast tropical Atlantic SST bias in a regional ocean model. Climate Dynamics, 2021, 56, 2773-2800. | 3.8 | 12 |
| 14 | Ocean fronts and eddies force atmospheric rivers and heavy precipitation in western North America. Nature Communications, 2021, 12, 1268. | 12.8 | 29 |
| 15 | Contribution of the Two Types of Ekman Pumping Induced Eddy Heat Flux to the Total Vertical Eddy Heat Flux. Geophysical Research Letters, 2021, 48, e2021GL092982. | 4.0 | 1 |
| 16 | Introducing the New Regional Community Earth System Model, R-CESM. Bulletin of the American Meteorological Society, 2021, 102, E1821-E1843. | 3.3 | 1 |
| 17 | Central American mountains inhibit eastern North Pacific seasonal tropical cyclone activity. Nature Communications, 2021, 12, 4422. | 12.8 | 10 |
| 18 | On the Upper-Ocean Vertical Eddy Heat Transport in the Kuroshio Extension. Part II: Effects of Air-Sea Interactions. Journal of Physical Oceanography, 2021, , . | 1.7 | 1 |

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| 19 | Evaluation of a Coupled Modeling Approach for the Investigation of the Effects of SST Mesoscale Variability on the Atmosphere. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002412. | 3.8 | 2 |
| 20 | Bringing the Future Into Focus: Benefits and Challenges of High-Resolution Global Climate Change Simulations. Computing in Science and Engineering, 2021, 23, 34-41. | 1.2 | 1 |
| 21 | On the Upper-Ocean Vertical Eddy Heat Transport in the Kuroshio Extension. Part I: Variability and Dynamics. Journal of Physical Oceanography, 2021, 51, 229-246. | 1.7 | 22 |
| 22 | An outsized role for the Labrador Sea in the multidecadal variability of the Atlantic overturning circulation. Science Advances, 2021, 7, eabh3592. | 10.3 | 41 |
| 23 | An Improved Parameterization of Windâ€Driven Turbulent Vertical Mixing Based on an Eddyâ€Resolving Climate Model. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002630. | 3.8 | 1 |
| 24 | Optimal Growth of IPV Lags AMV Modulations by up to a Decade. Geophysical Research Letters, 2021, 48, . | 4.0 | 6 |
| 25 | Surface Heat Flux Induced by Mesoscale Eddies Cools the Kuroshioâ€Oyashio Extension Region. Geophysical Research Letters, 2020, 47, e2019GL086050. | 4.0 | 17 |
| 26 | A high-resolution Asia-Pacific regional coupled prediction system with dynamically downscaling coupled data assimilation. Science Bulletin, 2020, 65, 1849-1858. | 9.0 | 12 |
| 27 | Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002014. | 3.8 | 59 |
| 28 | Maintenance of mid-latitude oceanic fronts by mesoscale eddies. Science Advances, 2020, 6, eaba7880. | 10.3 | 39 |
| 29 | A Comparison of Northern Hemisphere Atmospheric Rivers Detected by a New Image-Processing Based Method and Magnitude-Thresholding Based Methods. Atmosphere, 2020, 11, 628. | 2.3 | 12 |
| 30 | An Unprecedented Set of Highâ€Resolution Earth System Simulations for Understanding Multiscale Interactions in Climate Variability and Change. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002298. | 3.8 | 104 |
| 31 | Impact of Systematic GCM Errors on Prediction Skill as Estimated by Linear Inverse Modeling. Journal of Climate, 2020, 33, 10073-10095. | 3.2 | 11 |
| 32 | Image-processing-based atmospheric river tracking method version 1 (IPART-1). Geoscientific Model Development, 2020, 13, 4639-4662. | 3.6 | 18 |
| 33 | Optimizing high-resolution Community Earth System Model on a heterogeneous many-core supercomputing platform. Geoscientific Model Development, 2020, 13, 4809-4829. | 3.6 | 30 |
| 34 | Impact of Coherent Ocean Stratification on AMOC Reconstruction by Coupled Data Assimilation with a Biased Model. Journal of Climate, 2020, 33, 7319-7334. | 3.2 | 3 |
| 35 | Influence of the Ocean Mesoscale Eddyâ€“Atmosphere Thermal Feedback on the Upper-Ocean Haline Stratification. Journal of Physical Oceanography, 2020, 50, 2475-2490. | 1.7 | 5 |
| 36 | Atmosphereâ€“Ocean Interactions. , 2020, , 89-119. | | 2 |

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| 37 | A Multiâ€Timescale EnOlâ€Like Highâ€Efficiency Approximate Filter for Coupled Model Data Assimilation. Journal of Advances in Modeling Earth Systems, 2019, 11, 45-63. | 3.8 | 8 |
| 38 | Suppression of winter heavy precipitation in Southeastern China by the Kuroshio warm current. Climate Dynamics, 2019, 53, 2437-2450. | 3.8 | 4 |
| 39 | Weakening Atlantic NiÃ±oâ€“Pacific connection under greenhouse warming. Science Advances, 2019, 5, eaax4111. | 10.3 | 42 |
| 40 | High-Resolution Tropical Channel Model Simulations of Tropical Cyclone Climatology and Intraseasonal-to-Interannual Variability. Journal of Climate, 2019, 32, 7871-7895. | 3.2 | 10 |
| 41 | Tropical Pacific Ocean Dynamical Response to Short-Term Sulfate Aerosol Forcing. Journal of Climate, 2019, 32, 8205-8221. | 3.2 | 6 |
| 42 | Ocean Eddy Energetics in the Spectral Space as Revealed by High-Resolution General Circulation Models. Journal of Physical Oceanography, 2019, 49, 2815-2827. | 1.7 | 7 |
| 43 | The Tropical Atlantic Observing System. Frontiers in Marine Science, 2019, 6, . | 2.5 | 80 |
| 44 | Pantropical climate interactions. Science, 2019, 363, . | 12.6 | 419 |
| 45 | Mesoscale SST Dynamics in the Kuroshioâ€“Oyashio Extension Region. Journal of Physical Oceanography, 2019, 49, 1339-1352. | 1.7 | 25 |
| 46 | A Modeling Strategy for the Investigation of the Effect of Mesoscale SST Variability on Atmospheric Dynamics. Geophysical Research Letters, 2019, 46, 3982-3989. | 4.0 | 15 |
| 47 | Mesoscale Airâ€“Sea Interaction and Its Role in Eddy Energy Dissipation in the Kuroshio Extension. Journal of Climate, 2019, 32, 8659-8676. | 3.2 | 21 |
| 48 | The impact of climate model sea surface temperature biases on tropical cyclone simulations. Climate Dynamics, 2019, 53, 173-192. | 3.8 | 35 |
| 49 | Midlatitude Mesoscale Ocean-Atmosphere Interaction and Its Relevance to S2S Prediction. , 2019, , 183-200. | | 8 |
| 50 | The Response of Atlantic Tropical Cyclones to Suppression of African Easterly Waves. Geophysical Research Letters, 2018, 45, 471-479. | 4.0 | 47 |
| 51 | The Influence of ENSO Flavors on Western North Pacific Tropical Cyclone Activity. Journal of Climate, 2018, 31, 5395-5416. | 3.2 | 80 |
| 52 | Vertical and horizontal resolution dependency in the model representation of tracer dispersion along the continental slope in the northern Gulf of Mexico. Ocean Modelling, 2018, 122, 13-25. | 2.4 | 20 |
| 53 | Observed Energy Exchange between Low-Frequency Flows and Internal Waves in the Gulf of Mexico. Journal of Physical Oceanography, 2018, 48, 995-1008. | 1.7 | 17 |
| 54 | Low-Frequency North Atlantic Climate Variability in the Community Earth System Model Large Ensemble. Journal of Climate, 2018, 31, 787-813. | 3.2 | 86 |

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| 55 | The Benefits of Global High Resolution for Climate Simulation: Process Understanding and the Enabling of Stakeholder Decisions at the Regional Scale. Bulletin of the American Meteorological Society, 2018, 99, 2341-2359. | 3.3 | 107 |
| 56 | Decadal Variability of Eddy Characteristics and Energetics in the Kuroshio Extension: Unstable Versus Stable States. Journal of Geophysical Research: Oceans, 2018, 123, 6653-6669. | 2.6 | 24 |
| 57 | Satellite-Observed Precipitation Response to Ocean Mesoscale Eddies. Journal of Climate, 2018, 31, 6879-6895. | 3.2 | 35 |
| 58 | A teleconnection between Atlantic sea surface temperature and eastern and central North Pacific tropical cyclones. Geophysical Research Letters, 2017, 44, 1167-1174. | 4.0 | 32 |
| 59 | Oceanic ensemble forecasting in the Gulf of Mexico: An application to the case of the Deep Water Horizon oil spill. Ocean Modelling, 2017, 113, 171-184. | 2.4 | 9 |
| 60 | Importance of Resolving Kuroshio Front and Eddy Influence in Simulating the North Pacific Storm Track. Journal of Climate, 2017, 30, 1861-1880. | 3.2 | 115 |
| 61 | Climate Impacts of CALIPSOâ€Guided Corrections to Black Carbon Aerosol Vertical Distributions in a Global Climate Model. Geophysical Research Letters, 2017, 44, 10,549. | 4.0 | 0 |
| 62 | Intrabasin Variability of East Pacific Tropical Cyclones During ENSO Regulated by Central American Gap Winds. Scientific Reports, 2017, 7, 1658. | 3.3 | 14 |
| 63 | Mesoscale Eddies in the Northwestern Pacific Ocean: Threeâ€Dimensional Eddy Structures and Heat/Salt Transports. Journal of Geophysical Research: Oceans, 2017, 122, 9795-9813. | 2.6 | 53 |
| 64 | Deglacial Tropical Atlantic subsurface warming links ocean circulation variability to the West African Monsoon. Scientific Reports, 2017, 7, 15390. | 3.3 | 5 |
| 65 | Structure and dynamics of the Benguela low-level coastal jet. Climate Dynamics, 2017, 49, 2765-2788. | 3.8 | 37 |
| 66 | High Resolution Model Intercomparison Project (HighResMIPÂv1.0) for CMIP6. Geoscientific Model Development, 2016, 9, 4185-4208. | 3.6 | 643 |
| 67 | Challenges and Prospects for Reducing Coupled Climate Model SST Biases in the Eastern Tropical Atlantic and Pacific Oceans: The U.S. CLIVAR Eastern Tropical Oceans Synthesis Working Group. Bulletin of the American Meteorological Society, 2016, 97, 2305-2328. | 3.3 | 116 |
| 68 | Atmospheric Conditions Associated with Labrador Sea Deep Convection: New Insights from a Case Study of the 2006/07 and 2007/08 Winters. Journal of Climate, 2016, 29, 5281-5297. | 3.2 | 14 |
| 69 | Overlooked Role of Mesoscale Winds in Powering Ocean Diapycnal Mixing. Scientific Reports, 2016, 6, 37180. | 3.3 | 4 |
| 70 | Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. Scientific Reports, 2016, 6, 24349. | 3.3 | 202 |
| 71 | An Equatorialâ€“Extratropical Dipole Structure of the Atlantic NiÃ±o. Journal of Climate, 2016, 29, 7295-7311. | 3.2 | 54 |
| 72 | Modulation of Small-Scale Superinertial Internal Waves by Near-Inertial Internal Waves. Journal of Physical Oceanography, 2016, 46, 3529-3548. | 1.7 | 5 |

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| 73 | Western boundary currents regulated by interaction between ocean eddies and the atmosphere. Nature, 2016, 535, 533-537. | 27.8 | 236 |
| 74 | Degree of simulated suppression of Atlantic tropical cyclones modulated by flavour of El NiÃ±o. Nature Geoscience, 2016, 9, 155-160. | 12.9 | 56 |
| 75 | Distant Influence of Kuroshio Eddies on North Pacific Weather Patterns?. Scientific Reports, 2015, 5, 17785. | 3.3 | 141 |
| 76 | Thermodynamic controls of the Atlantic NiÃ±o. Nature Communications, 2015, 6, 8895. | 12.8 | 81 |
| 77 | Tropical North Atlantic subsurface warming events as a fingerprint for AMOC variability during Marine Isotope Stage 3. Paleoceanography, 2015, 30, 1425-1436. | 3.0 | 22 |
| 78 | Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017. | 3.3 | 158 |
| 79 | Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440. | 3.3 | 2 |
| 80 | Role of Near-Inertial Internal Waves in Subthermocline Diapycnal Mixing in the Northern Gulf of Mexico. Journal of Physical Oceanography, 2015, 45, 3137-3154. | 1.7 | 12 |
| 81 | Winter Extreme Flux Events in the Kuroshio and Gulf Stream Extension Regions and Relationship with Modes of North Pacific and Atlantic Variability. Journal of Climate, 2015, 28, 4950-4970. | 3.2 | 17 |
| 82 | Tropical Pacific response to continental ice sheet topography. Climate Dynamics, 2015, 44, 2429-2446. | 3.8 | 25 |
| 83 | Impact of Atlantic SST and high frequency atmospheric variability on the 1993 and 2008 Midwest floods: Regional climate model simulations of extreme climate events. Climatic Change, 2015, 129, 397-411. | 3.6 | 21 |
| 84 | Diagnosing southeast tropical Atlantic SST and ocean circulation biases in the CMIP5 ensemble. Climate Dynamics, 2014, 43, 3123-3145. | 3.8 | 83 |
| 85 | Tropical Atlantic variability and coupled model climate biases: results from the Tropical Atlantic Climate Experiment (TACE). Climate Dynamics, 2014, 43, 2887-2887. | 3.8 | 3 |
| 86 | The Impact of the El NiÃ±oâ€“Southern Oscillation and Atlantic Meridional Mode on Seasonal Atlantic Tropical Cyclone Activity. Journal of Climate, 2014, 27, 5311-5328. | 3.2 | 82 |
| 87 | Muted change in Atlantic overturning circulation over some glacial-aged Heinrich events. Nature Geoscience, 2014, 7, 144-150. | 12.9 | 94 |
| 88 | Oceanic origin of southeast tropical Atlantic biases. Climate Dynamics, 2014, 43, 2915-2930. | 3.8 | 52 |
| 89 | Seasonal Variation of the Subtropical/Tropical Pathways in the Atlantic Ocean from an Ocean Data Assimilation Experiment. Geophysical Monograph Series, 2013, , 305-318. | 0.1 | 3 |
| 90 | Influence of Mean Flow on the ENSOâ€“Vertical Wind Shear Relationship over the Northern Tropical Atlantic. Journal of Climate, 2012, 25, 858-864. | 3.2 | 13 |

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| 91 | Impact of abrupt deglacial climate change on tropical Atlantic subsurface temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14348-14352. | 7.1 | 59 |
| 92 | Ocean barrier layersâ€™ effect on tropical cyclone intensification. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14343-14347. | 7.1 | 202 |
| 93 | An investigation of tropical Atlantic bias in a high-resolution coupled regional climate model. Climate Dynamics, 2012, 39, 2443-2463. | 3.8 | 48 |
| 94 | Enhanced warming over the global subtropical western boundary currents. Nature Climate Change, 2012, 2, 161-166. | 18.8 | 564 |
| 95 | Warm pool variability and heat flux change in the global oceans. Global and Planetary Change, 2011, 77, 26-33. | 3.5 | 14 |
| 96 | Plausible effect of climate model bias on abrupt climate change simulations in Atlantic sector. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1904-1913. | 1.4 | 5 |
| 97 | Effect of Atlantic Meridional Overturning Circulation on Tropical Atlantic Variability: A Regional Coupled Model Study. Journal of Climate, 2011, 24, 3323-3343. | 3.2 | 11 |
| 98 | A Far-Reaching Footprint of the Tropical Pacific Meridional Mode on the Summer Rainfall over the Yellow River Loop Valley. Journal of Climate, 2011, 24, 2585-2598. | 3.2 | 25 |
| 99 | The Role of the Windâ€“Evaporationâ€“Sea Surface Temperature (WES) Feedback as a Thermodynamic Pathway for the Equatorward Propagation of High-Latitude Sea Iceâ€“Induced Cold Anomalies. Journal of Climate, 2011, 24, 1350-1361. | 3.2 | 23 |
| 100 | Free and Forced Variability of the Tropical Atlantic Ocean: Role of the Windâ€“Evaporationâ€“Sea Surface Temperature Feedback. Journal of Climate, 2010, 23, 5958-5977. | 3.2 | 20 |
| 101 | Effect of Atlantic Meridional Overturning Circulation Changes on Tropical Atlantic Sea Surface Temperature Variability: A 2Â½-Layer Reduced-Gravity Ocean Model Study. Journal of Climate, 2010, 23, 312-332. | 3.2 | 13 |
| 102 | The Impact of Extratropical Atmospheric Variability on ENSO: Testing the Seasonal Footprinting Mechanism Using Coupled Model Experiments. Journal of Climate, 2010, 23, 2885-2901. | 3.2 | 214 |
| 103 | Causes of tropical Atlantic paleoâ€salinity variation during periods of reduced AMOC. Geophysical Research Letters, 2010, 37, . | 4.0 | 10 |
| 104 | Linking the Pacific Meridional Mode to ENSO: Coupled Model Analysis. Journal of Climate, 2009, 22, 3488-3505. | 3.2 | 59 |
| 105 | The role of the wind-evaporation-sea surface temperature (WES) feedback in airâ€“sea coupled tropical variability. Atmospheric Research, 2009, 94, 19-36. | 4.1 | 13 |
| 106 | Tropical Atlantic climate response to lowâ€latitude and extratropical seaâ€surface temperature: A Little Ice Age perspective. Geophysical Research Letters, 2009, 36, . | 4.0 | 10 |
| 107 | On the interpretation of Caribbean paleoâ€temperature reconstructions during the Younger Dryas. Geophysical Research Letters, 2009, 36, . | 4.0 | 26 |
| 108 | Pacific Climate Change and ENSO Activity in the Mid-Holocene. Journal of Climate, 2009, 22, 923-939. | 3.2 | 47 |

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| 109 | Linking the Pacific Meridional Mode to ENSO: Utilization of a Noise Filter. Journal of Climate, 2009, 22, 905-922. | 3.2 | 14 |
| 110 | Oceanic link between abrupt changes inÂthe North Atlantic Ocean and theÂAfricanÂmonsoon. Nature Geoscience, 2008, 1, 444-448. | 12.9 | 136 |
| 111 | Atmospheric response to Atlantic tropical instability waves in Community Atmosphere Model version 3. Journal of Geophysical Research, 2008, 113, . | 3.3 | 1 |
| 112 | Variation of mean sea surface temperature and modulation of El NiÃ±oâ€“Southern Oscillation variance during the past 150 years. Geophysical Research Letters, 2008, 35, . | 4.0 | 18 |
| 113 | Interhemispheric thermal gradient and tropical Pacific climate. Geophysical Research Letters, 2008, 35, . | 4.0 | 31 |
| 114 | Forecasting Pacific SSTs: Linear Inverse Model Predictions of the PDO. Journal of Climate, 2008, 21, 385-402. | 3.2 | 126 |
| 115 | A Linear Stability Analysis of Coupled Tropical Atlantic Variability. Journal of Climate, 2008, 21, 2421-2436. | 3.2 | 22 |
| 116 | Coupled Variability and Predictability in a Stochastic Climate Model of the Tropical Atlantic. Journal of Climate, 2008, 21, 6247-6259. | 3.2 | 19 |
| 117 | Pacific meridional mode and El NiÃ±oâ€”Southern Oscillation. Geophysical Research Letters, 2007, 34, . | 4.0 | 289 |
| 118 | The Physical Basis for Predicting Atlantic Sector Seasonal-to-Interannual Climate Variability*. Journal of Climate, 2006, 19, 5949-5970. | 3.2 | 101 |
| 119 | The cause of the fragile relationship between the Pacific El NiÃ±o and the Atlantic NiÃ±o. Nature, 2006, 443, 324-328. | 27.8 | 206 |
| 120 | Climate Fluctuations of Tropical Coupled Systemsâ€”The Role of Ocean Dynamics. Journal of Climate, 2006, 19, 5122-5174. | 3.2 | 203 |
| 121 | The Community Climate System Model Version 3 (CCSM3). Journal of Climate, 2006, 19, 2122-2143. | 3.2 | 2,075 |
| 122 | Simulated precipitation response to SST forcing and potential predictability in the region of the South Atlantic convergence zone. Climate Dynamics, 2005, 24, 105-114. | 3.8 | 38 |
| 123 | Dynamics of the boreal summer African monsoon in the NSIPP1 atmospheric model. Climate Dynamics, 2005, 25, 517-535. | 3.8 | 58 |
| 124 | Dynamical elements of predicting boreal spring tropical Atlantic sea-surface temperatures. Dynamics of Atmospheres and Oceans, 2005, 39, 61-85. | 1.8 | 31 |
| 125 | The Role of Stochastic Forcing in Modulating ENSO Predictability. Journal of Climate, 2004, 17, 3125-3140. | 3.2 | 66 |
| 126 | The preconditioning role of Tropical Atlantic Variability in the development of the ENSO teleconnection: implications for the prediction of Nordeste rainfall. Climate Dynamics, 2004, 22, 839-855. | 3.8 | 120 |

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| 127 | A linear tendency correction technique for improving seasonal prediction of SST. Geophysical Research Letters, 2004, 31, . | 4.0 | 5 |
| 128 | Predictability of Linear Coupled Systems. Part II: An Application to a Simple Model of Tropical Atlantic Variability. Journal of Climate, 2004, 17, 1487-1503. | 3.2 | 13 |
| 129 | Predictability of Linear Coupled Systems. Part I: Theoretical Analyses. Journal of Climate, 2004, 17, 1474-1486. | 3.2 | 24 |
| 130 | Effect of Oceanic Advection on the Potential Predictability of Sea Surface Temperature. Journal of Climate, 2004, 17, 3603-3615. | 3.2 | 6 |
| 131 | Tropical Atlantic seasonal predictability: The roles of El NiÃ±o remote influence and thermodynamic air-sea feedback. Geophysical Research Letters, 2003, 30, n/a-n/a. | 4.0 | 45 |
| 132 | Testing the stochastic mechanism for low-frequency variations in ENSO predictability. Geophysical Research Letters, 2003, 30, . | 4.0 | 5 |
| 133 | Oceanic Forcing of Sahel Rainfall on Interannual to Interdecadal Time Scales. Science, 2003, 302, 1027-1030. | 12.6 | 904 |
| 134 | Predictable Component Analysis, Canonical Correlation Analysis, and Autoregressive Models. Journals of the Atmospheric Sciences, 2003, 60, 409-416. | 1.7 | 29 |
| 135 | Some theoretical considerations on predictability of linear stochastic dynamics. Tellus, Series A: Dynamic Meteorology and Oceanography, 2003, 55, 148-157. | 1.7 | 6 |
| 136 | Variability of the South Atlantic Convergence Zone Simulated by an Atmospheric General Circulation Model. Journal of Climate, 2002, 15, 745-763. | 3.2 | 90 |
| 137 | Decadal change in the south tropical Pacific in a Global Assimilation Analysis. Geophysical Research Letters, 2001, 28, 3461-3464. | 4.0 | 27 |
| 138 | A Hybrid Coupled Model Study of Tropical Atlantic Variability. Journal of Climate, 2001, 14, 361-390. | 3.2 | 110 |
| 139 | Looking for the Role of the Ocean in Tropical Atlantic Decadal Climate Variability*. Journal of Climate, 2001, 14, 638-655. | 3.2 | 41 |
| 140 | North Atlantic climate variability: phenomena, impacts and mechanisms. International Journal of Climatology, 2001, 21, 1863-1898. | 3.5 | 860 |
| 141 | The Effect of Local Sea Surface Temperatures on Atmospheric Circulation over the Tropical Atlantic Sector. Journal of Climate, 2000, 13, 2195-2216. | 3.2 | 195 |
| 142 | Identification of Dynamical Regimes in an Intermediate Coupled Oceanâ€“Atmosphere Model. Journal of Climate, 2000, 13, 2105-2115. | 3.2 | 30 |
| 143 | Interaction between Tropical Atlantic Variability and El NiÃ±oâ€“Southern Oscillation. Journal of Climate, 2000, 13, 2177-2194. | 3.2 | 319 |
| 144 | Oceanic mixed layer feedback and tropical Atlantic variability. Geophysical Research Letters, 1999, 26, 3629-3632. | 4.0 | 21 |

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| 145 | Stochastically induced climate shift of El NiÃ±o-Southern Oscillation. Geophysical Research Letters, 1999, 26, 2473-2476. | 4.0 | 28 |
| 146 | Mixing induced by the Atlantic equatorial wave activity in an eddy-resolving OGCM. Journal of Geophysical Research, 1999, 104, 13303-13315. | 3.3 | 4 |
| 147 | Prediction of tropical Atlantic sea surface temperature. Geophysical Research Letters, 1998, 25, 1193-1196. | 4.0 | 30 |
| 148 | Does the Predictability of ENSO Depend on the Seasonal Cycle?. Journals of the Atmospheric Sciences, 1998, 55, 3230-3243. | 1.7 | 39 |
| 149 | Impact of the extratropical Pacific on equatorial variability. Geophysical Research Letters, 1997, 24, 2589-2592. | 4.0 | 81 |
| 150 | A decadal climate variation in the tropical Atlantic Ocean from thermodynamic air-sea interactions. Nature, 1997, 385, 516-518. | 27.8 | 585 |
| 151 | Impact of dynamical and stochastic processes on the predictability of ENSO. Geophysical Research Letters, 1996, 23, 2089-2092. | 4.0 | 30 |
| 152 | A wave-induced stirring mechanism in the mid-depth equatorial ocean. Journal of Marine Research, 1996, 54, 487-520. | 0.3 | 15 |
| 153 | The Role of the Dynamic Ocean-Atmosphere Interactions in Tropical Seasonal Cycle. Journal of Climate, 1996, 9, 2973-2985. | 3.2 | 31 |
| 154 | Chaotic dynamics versus stochastic processes in El NiÃ±o-Southern Oscillation in coupled ocean-atmosphere models. Physica D: Nonlinear Phenomena, 1996, 98, 301-320. | 2.8 | 93 |
| 155 | Interactions between the Seasonal Cycle and El NiÃ±o-Southern Oscillation in an Intermediate Coupled Ocean-Atmosphere Model. Journals of the Atmospheric Sciences, 1995, 52, 2353-2372. | 1.7 | 104 |
| 156 | An Intermediate Model of the Tropical Pacific Ocean. Journal of Physical Oceanography, 1995, 25, 1599-1616. | 1.7 | 58 |
| 157 | A study of the seasonal cycle of sea surface temperature in the tropical Pacific Ocean using reduced gravity models. Journal of Geophysical Research, 1994, 99, 7725. | 3.3 | 57 |
| 158 | Interactions between the seasonal cycle and the Southern Oscillation - Frequency entrainment and chaos in a coupled ocean-atmosphere model. Geophysical Research Letters, 1994, 21, 2817-2820. | 4.0 | 133 |
| 159 | A Coupled Oceanâ€“Atmosphere Instability of Relevance to the Seasonal Cycle. Journals of the Atmospheric Sciences, 1994, 51, 3627-3648. | 1.7 | 105 |
| 160 | A note on solitary waves along potential vorticity fronts on anf-plane. Journal of Oceanography, 1993, 49, 477-489. | 1.7 | 0 |
| 161 | Seasonal cycle of sea surface temperature and mixed layer heat budget in the tropical Pacific Ocean. Geophysical Research Letters, 1993, 20, 2079-2082. | 4.0 | 30 |
| 162 | Coastal Kelvin waves in the presence of a slowly varying topography. Journal of Fluid Mechanics, 1991, 231, 303-324. | 3.4 | 2 |

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| 163 | Variability of the sea surface temperature in the eastern equatorial Pacific during 1986â€“1988. Journal of Geophysical Research, 1991, 96, 10553-10566. | 3.3 | 86 |
| 164 | Propagation of an Equatorial Kelvin Wave in a Varying Thermocline. Journal of Physical Oceanography, 1990, 20, 1826-1841. | 1.7 | 35 |
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