# Xiaopei Lin

List of Publications by Year
in descending order



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|---|---|---|---|
| 95 papers | 3,861 citations | 257450 24 h-index | 133252 59 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 4479 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Decadal to Multidecadal Variability of the Western North Pacific Subtropical Front and Countercurrent. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 4 |
| 2 | Adiabatic Processes Contribute to the Rapid Warming of Subpolar North Atlantic During 1993â€“2010. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 1 |
| 3 | Atmospheric Forcing of the Pacific Meridional Mode: Tropical Pacificâ€Driven Versus Internal Variability. Geophysical Research Letters, 2022, 49, . | 4.0 | 10 |
| 4 | Association between hospitalizations for asthma exacerbation and weather conditions in Qingdao: an ecological study. Annals of Translational Medicine, 2022, 10, 420-420. | 1.7 | 0 |
| 5 | Role of ocean dynamics in equatorial Pacific decadal variability. Climate Dynamics, 2022, 59, 2517-2529. | 3.8 | 2 |
| 6 | An online ensemble coupled data assimilation capability for the Community Earth System Model: system design and evaluation. Geoscientific Model Development, 2022, 15, 4805-4830. | 3.6 | 2 |
| 7 | Poleward Shift of the Kuroshio Extension Front and Its Impact on the North Pacific Subtropical Mode Water in the Recent Decades. Journal of Physical Oceanography, 2021, 51, 457-474. | 1.7 | 14 |
| 8 | Interannual Variability of Tropical Atlantic-to-Pacific Moisture Transport Linked to ENSO, Atlantic NiÃ±o, and Freshwater Budget in the Northwestern Tropical Atlantic. Journal of Climate, 2021, , 1-61. | 3.2 | 2 |
| 9 | Weakened ENSOâ€Ningaloo NiÃ±o/NiÃ±a Teleconnection Under Greenhouse Warming. Geophysical Research Letters, 2021, 48, e2020GL091326. | 4.0 | 1 |
| 10 | Pacific Meridional Modes without Equatorial Pacific Influence. Journal of Climate, 2021, , 1-51. | 3.2 | 7 |
| 11 | Half-Century of Scientific Advancements Since the Cooperative Study of the Kuroshio and Adjacent Regions (CSK) Programme - Need for a new Kuroshio Research. Progress in Oceanography, 2021, 193, 102513. | 3.2 | 12 |
| 12 | Characteristics of 3â€Dimensional Structure and Heat Budget of Mesoscale Eddies in the South Atlantic Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016922. | 2.6 | 2 |
| 13 | Subpolar North Atlantic western boundary density anomalies and the Meridional Overturning Circulation. Nature Communications, 2021, 12, 3002. | 12.8 | 47 |
| 14 | Seasonal and Interannual Variability of the Meridional Overturning Circulation in the Subpolar North Atlantic Diagnosed From a High Resolution Reanalysis Data Set. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017130. | 2.6 | 3 |
| 15 | Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644. | 29.7 | 197 |
| 16 | Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. Science, 2021, 374, eaay9165. | 12.6 | 92 |
| 17 | Unusual Crossâ€Shelf Transport Driven by the Changes of Wind Pattern in a Marginal Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017526. | 2.6 | 2 |
| 18 | Enhanced Eastern Pacific ENSOâ€Tropical North Atlantic Connection Under Greenhouse Warming. Geophysical Research Letters, 2021, 48, e2021GL095332. | 4.0 | 6 |

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|---|---|---|---|
| 19 | Optimal Growth of IPV Lags AMV Modulations by up to a Decade. Geophysical Research Letters, 2021, 48, . | 4.0 | 6 |
| 20 | Contribution of SST change to multidecadal global and continental surface air temperature trends between 1910 and 2013. Climate Dynamics, 2020, 54, 1295-1313. | 3.8 | 4 |
| 21 | An Examination of the Predictability of Tropical Cyclone Genesis in High-Resolution Coupled Models with Dynamically Downscaled Coupled Data Assimilation Initialization. Advances in Atmospheric Sciences, 2020, 37, 939-950. | 4.3 | 8 |
| 22 | North Pacific subtropical mode water is controlled by the Atlantic Multidecadal Variability. Nature Climate Change, 2020, 10, 238-243. | 18.8 | 32 |
| 23 | Synchronized tropical Pacific and extratropical variability during the past three decades. Nature Climate Change, 2020, 10, 422-427. | 18.8 | 8 |
| 24 | Decadal to Multidecadal Variability of the Mixed Layer to the South of the Kuroshio Extension Region. Journal of Climate, 2020, 33, 7697-7714. | 3.2 | 11 |
| 25 | 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 |
| 26 | A Multiâ€Timescale EnOIâ€Like Highâ€Efficiency Approximate Filter for Coupled Model Data Assimilation. Journal of Advances in Modeling Earth Systems, 2019, 11, 45-63. | 3.8 | 8 |
| 27 | Subtropical countercurrent variations in cooling climates induced by freshwater forcing over the subarctic North Atlantic. Climate Dynamics, 2019, 52, 2799-2812. | 3.8 | 2 |
| 28 | Recent Decadal Change in the North Atlantic Subtropical Underwater Associated With the Poleward Expansion of the Surface Salinity Maximum. Journal of Geophysical Research: Oceans, 2019, 124, 4433-4448. | 2.6 | 3 |
| 29 | Seasonal response of surface wind to SST perturbation in the Northern Hemisphere. Journal of Oceanology and Limnology, 2019, 37, 1165-1175. | 1.3 | 3 |
| 30 | Salt Sinking in the Upper South Pacific Subtropical Gyre From 2004 to 2016. Journal of Geophysical Research: Oceans, 2019, 124, 7011-7029. | 2.6 | 4 |
| 31 | Experimental Investigation of Effects of Polishing Process on Surface Residual Stress of TC4 Blade Based on Sensitivity Analysis. Experimental Techniques, 2019, 43, 729-738. | 1.5 | 3 |
| 32 | On the seasonal variability of the Oyashio extension fronts. Climate Dynamics, 2019, 53, 7011-7025. | 3.8 | 11 |
| 33 | A sea change in our view of overturning in the subpolar North Atlantic. Science, 2019, 363, 516-521. | 12.6 | 333 |
| 34 | Contributions of the Bering Strait throughflow to oceanic meridional heat transport under modern and Last Glacial Maximum climate conditions. Journal of Oceanology and Limnology, 2019, 37, 398-409. | 1.3 | 0 |
| 35 | Pantropical climate interactions. Science, 2019, 363, . | 12.6 | 419 |
| 36 | Co-variation of the surface wind speed and the sea surface temperature over mesoscale eddies in the Gulf Stream region: momentum vertical mixing aspect. Journal of Oceanology and Limnology, 2019, 37, 1154-1164. | 1.3 | 2 |

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|---|---|---|---|
| 37 | Seasonality of the Kuroshio intensity east of Taiwan modulated by mesoscale eddies. Journal of Marine Systems, 2019, 193, 84-93. | 2.1 | 5 |
| 38 | Quantifying the non-conservative production of potential temperature over the past 22 000 years. Journal of Oceanology and Limnology, 2019, 37, 410-422. | 1.3 | 1 |
| 39 | The Asymmetric Continental Shelf Wave in Response to the Synoptic Wind Burst in a Semienclosed Doubleâ€Shelf Basin. Journal of Geophysical Research: Oceans, 2018, 123, 131-148. | 2.6 | 16 |
| 40 | Estimating Convection Parameters in the GFDL CM2.1 Model Using Ensemble Data Assimilation. Journal of Advances in Modeling Earth Systems, 2018, 10, 989-1010. | 3.8 | 10 |
| 41 | Meridional heat transport variability induced by mesoscale processes in the subpolar North Atlantic. Nature Communications, 2018, 9, 1124. | 12.8 | 29 |
| 42 | Upper-ocean temperature trends in the Eastern China Seas during 1976â€“1996. Journal of Oceanology and Limnology, 2018, 36, 1527-1536. | 1.3 | 2 |
| 43 | Structure and Formation of Anticyclonic Eddies in the Iceland Basin. Journal of Geophysical Research: Oceans, 2018, 123, 5341-5359. | 2.6 | 19 |
| 44 | Meridional Shift of the Oyashio Extension Front in the Past 36ÂYears. Geophysical Research Letters, 2018, 45, 9042-9048. | 4.0 | 15 |
| 45 | Interannual Eddy Kinetic Energy Modulations in the Agulhas Return Current. Journal of Geophysical Research: Oceans, 2018, 123, 6449-6462. | 2.6 | 19 |
| 46 | Decadal Variability of North Pacific Eastern Subtropical Mode Water. Journal of Geophysical Research: Oceans, 2018, 123, 6189-6206. | 2.6 | 6 |
| 47 | Satellite-Observed Precipitation Response to Ocean Mesoscale Eddies. Journal of Climate, 2018, 31, 6879-6895. | 3.2 | 35 |
| 48 | Impact of mesoscale eddies on <scp>K</scp>uroshio intrusion variability northeast of <scp>T</scp>aiwan. Journal of Geophysical Research: Oceans, 2017, 122, 3021-3040. | 2.6 | 40 |
| 49 | Overturning in the Subpolar North Atlantic Program: A New International Ocean Observing System. Bulletin of the American Meteorological Society, 2017, 98, 737-752. | 3.3 | 173 |
| 50 | 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 |
| 51 | Statistical analyses of sea state conditions in South China Sea. Journal of Ocean University of China, 2017, 16, 357-369. | 1.2 | 5 |
| 52 | Definition of Extreme El NiÃ±o and Its Impact on Projected Increase in Extreme El NiÃ±o Frequency. Geophysical Research Letters, 2017, 44, 11,184. | 4.0 | 26 |
| 53 | Continued increase of extreme ElÂNiÃ±o frequency long after 1.5â€‰Â°C warming stabilization. Nature Climate Change, 2017, 7, 568-572. | 18.8 | 174 |
| 54 | A Transbasin Mode of Interannual Variability of the Central American Gap Winds: Seasonality and Large-Scale Forcing. Journal of Climate, 2017, 30, 8223-8235. | 3.2 | 6 |

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| 55 | Realism of modelled Indian summer monsoon correlation with the tropical Indo-Pacific affects projected monsoon changes. Scientific Reports, 2017, 7, 4929. | 3.3 | 18 |
| 56 | Evolution of the North Pacific Subtropical Mode Water in Anticyclonic Eddies. Journal of Geophysical Research: Oceans, 2017, 122, 10118-10130. | 2.6 | 25 |
| 57 | Heat budget of the western Pacific warm pool and the contribution of eddy heat transport diagnosed from HYCOM assimilation. Journal of Oceanography, 2017, 73, 193-203. | 1.7 | 3 |
| 58 | Insights on the role of accurate state estimation in coupled model parameter estimation by a conceptual climate model study. Nonlinear Processes in Geophysics, 2017, 24, 125-139. | 1.3 | 2 |
| 59 | Wind Energy Potentials and Its Trend in the South China Sea. Energy and Environment Research, 2016, 6, 36. | 0.2 | 2 |
| 60 | Western boundary currents regulated by interaction between ocean eddies and the atmosphere. Nature, 2016, 535, 533-537. | 27.8 | 236 |
| 61 | Dynamics of an idealized B eaufort G yre: 1. T he effect of a small beta and lack of western boundaries. Journal of Geophysical Research: Oceans, 2016, 121, 1249-1261. | 2.6 | 24 |
| 62 | Dynamics of changing impacts of tropical Indo-Pacific variability on Indian and Australian rainfall. Scientific Reports, 2016, 6, 31767. | 3.3 | 18 |
| 63 | The Annual Cycle of the Japan Sea Throughflow. Journal of Physical Oceanography, 2016, 46, 23-39. | 1.7 | 27 |
| 64 | Distant Influence of Kuroshio Eddies on North Pacific Weather Patterns?. Scientific Reports, 2015, 5, 17785. | 3.3 | 141 |
| 65 | Pacific western boundary currents and their roles in climate. Nature, 2015, 522, 299-308. | 27.8 | 474 |
| 66 | 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 |
| 67 | Institutional coordination of global ocean observations. Nature Climate Change, 2015, 5, 4-6. | 18.8 | 15 |
| 68 | A mechanism for the latitudinal dependence of peakâ€spectrum sea surface height variability. Journal of Geophysical Research: Oceans, 2014, 119, 1431-1444. | 2.6 | 6 |
| 69 | Seasonal variability of Kuroshio intrusion northeast of Taiwan Island as revealed by self-organizing map. Chinese Journal of Oceanology and Limnology, 2014, 32, 1435-1442. | 0.7 | 24 |
| 70 | Seasonal variations of air-sea heat fluxes and sea surface temperature in the northwestern Pacific marginal seas. Acta Oceanologica Sinica, 2014, 33, 101-110. | 1.0 | 6 |
| 71 | Windâ€driven exchanges between two basins: Some topographic and latitudinal effects. Journal of Geophysical Research: Oceans, 2013, 118, 4585-4599. | 2.6 | 10 |
| 72 | On the dynamics of the seasonal variation in the South China Sea throughflow transport. Journal of Geophysical Research: Oceans, 2013, 118, 6854-6866. | 2.6 | 21 |

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|---|---|---|---|
| 73 | East Pacific ocean eddies and their relationship to subseasonal variability in Central American wind jets. Journal of Geophysical Research, 2012, 117, . | 3.3 | 16 |
| 74 | On the mechanism of seasonal variation of the Tsushima Warm Current. Continental Shelf Research, 2012, 48, 1-7. | 1.8 | 9 |
| 75 | Influence of Atlantic meridional overturning circulation on the East Asian winter monsoon. Nature Geoscience, 2012, 5, 46-49. | 12.9 | 417 |
| 76 | The preliminary study of the high chlorophyll in the central Bohai Sea in summer. Acta Oceanologica Sinica, 2012, 31, 66-72. | 1.0 | 9 |
| 77 | An asymmetric upwind flow, Yellow Sea Warm Current: 1. New observations in the western Yellow Sea. Journal of Geophysical Research, 2011, 116, . | 3.3 | 54 |
| 78 | An asymmetric upwind flow, Yellow Sea Warm Current: 2. Arrested topographic waves in response to the northwesterly wind. Journal of Geophysical Research, 2011, 116, . | 3.3 | 24 |
| 79 | Study of the air-sea interaction during Typhoon Kaemi (2006). Journal of Meteorological Research, 2011, 25, 625-638. | 1.0 | 6 |
| 80 | The effect of regional ocean-atmosphere coupling on the long-term variability in the Pacific Ocean. Advances in Atmospheric Sciences, 2010, 27, 393-402. | 4.3 | 0 |
| 81 | The Kuroshio Extension: a leading mechanism for the seasonal sea-level variability along the west coast of Japan. Ocean Dynamics, 2010, 60, 667-672. | 2.2 | 8 |
| 82 | Modelâ€based estimate of the heat budget in the East China Sea. Journal of Geophysical Research, 2010, 115, . | 3.3 | 14 |
| 83 | Modes and mechanisms of sea surface temperature lowâ€frequency variations over the coastal China seas. Journal of Geophysical Research, 2010, 115, . | 3.3 | 41 |
| 84 | An open-ocean forcing in the East China and Yellow seas. Journal of Geophysical Research, 2010, 115, . | 3.3 | 18 |
| 85 | Sea experiments of the Underway Conductivity-Temperature-Depth prototype made in China. Journal of Ocean University of China, 2009, 8, 409-415. | 1.2 | 2 |
| 86 | The inter-annual variability of the Yellow Sea Warm Current surface axis and its influencing factors. Chinese Journal of Oceanology and Limnology, 2009, 27, 607-613. | 0.7 | 19 |
| 87 | Variability of surface velocity in the Kuroshio Current and adjacent waters derived from Argos drifter buoys and satellite altimeter data. Chinese Journal of Oceanology and Limnology, 2009, 27, 208-217. | 0.7 | 27 |
| 88 | Seasonal variation of the barrier layer in the PN section. Chinese Journal of Oceanology and Limnology, 2009, 27, 192-201. | 0.7 | 0 |
| 89 | On the mechanism of the cyclonic circulation in the Gulf of Tonkin in the summer. Journal of Geophysical Research, 2008, 113, . | 3.3 | 49 |
| 90 | On the dynamics of the South China Sea Warm Current. Journal of Geophysical Research, 2008, 113, . | 3.3 | 19 |

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|---|---|---|---|
| 91 | Explaining the global distribution of peakâ€spectrum variability of sea surface height. Geophysical Research Letters, 2008, 35, . | 4.0 | 13 |
| 92 | The South Pacific Subtropical Mode Water in the Tasman Sea. Journal of Ocean University of China, 2007, 6, 107-116. | 1.2 | 3 |
| 93 | A well-mixed warm water column in the central Bohai Sea in summer: Effects of tidal and surface wave mixing. Journal of Geophysical Research, 2006, 111, . | 3.3 | 53 |
| 94 | A further investigation of the decadal variation of ENSO characteristics with instability analysis. Advances in Atmospheric Sciences, 2006, 23, 156-164. | 4.3 | 1 |
| 95 | An Amplification Mechanism of Intraseasonal Long Rossby Wave in Subtropical Ocean. Journal of Oceanography, 2005, 61, 369-378. | 1.7 | 11 |