

Jack J Katzfey

List of Publications by Year in descending order

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66
papers

2,749
citations

186265

28
h-index

197818

49
g-index

68
all docs

68
docs citations

68
times ranked

3671
citing authors

#	ARTICLE	IF	CITATIONS
1	Relevance of sub-grid-scale land-use effects for mesoscale models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 55, 232.	1.7	29
2	Global exposure of population and land-use to meteorological droughts under different warming levels and SSPs: A CORDEX-based study. <i>International Journal of Climatology</i> , 2021, 41, 6825-6853.	3.5	26
3	Projected changes in rainfall and temperature over the Philippines from multiple dynamical downscaling models. <i>International Journal of Climatology</i> , 2020, 40, 1784-1804.	3.5	18
4	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020, 33, 3635-3661.	3.2	230
5	How an urban parameterization affects a high-resolution global climate simulation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 3808-3829.	2.7	19
6	How Feasible Is the Scaling-Out of Livelihood and Food System Adaptation in Asia-Pacific Islands?. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	16
7	Evaluating reanalysis-driven CORDEX regional climate models over Australia: model performance and errors. <i>Climate Dynamics</i> , 2019, 53, 2985-3005.	3.8	44
8	Providing future climate projections using multiple models and methods: insights from the Philippines. <i>Climatic Change</i> , 2018, 148, 187-203.	3.6	16
9	Ensemble evaluation and projection of climate extremes in China using RMIP models. <i>International Journal of Climatology</i> , 2018, 38, 2039-2055.	3.5	36
10	Assessing model performance of daily solar irradiance forecasts over Australia. <i>Solar Energy</i> , 2018, 176, 615-626.	6.1	36
11	Potential impacts of solar arrays on regional climate and on array efficiency. <i>International Journal of Climatology</i> , 2017, 37, 4053-4064.	3.5	8
12	Building Asian climate change scenario by multi-regional climate models ensemble. Part II: mean precipitation. <i>International Journal of Climatology</i> , 2016, 36, 4253-4264.	3.5	11
13	Bias and variance correction of sea surface temperatures used for dynamical downscaling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,877.	3.3	31
14	Building Asian climate change scenario by multi-regional climate models ensemble. Part I: surface air temperature. <i>International Journal of Climatology</i> , 2016, 36, 4241-4252.	3.5	25
15	An assessment of CSIRO Conformal Cubic Atmospheric Model simulations over Sri Lanka. <i>Climate Dynamics</i> , 2016, 46, 1861-1875.	3.8	10
16	High-resolution simulations for Vietnam - methodology and evaluation of current climate. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2016, 52, 91-106.	2.3	29
17	Regional climate model projections of the South Pacific Convergence Zone. <i>Climate Dynamics</i> , 2016, 47, 817-829.	3.8	16
18	Deforestation changes land-atmosphere interactions across South American biomes. <i>Global and Planetary Change</i> , 2016, 139, 97-108.	3.5	28

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19	High-resolution climate projections for the islands of Lombok and Sumbawa, Nusa Tenggara Barat Province, Indonesia: Challenges and implications. <i>Climate Risk Management</i> , 2016, 12, 32-44.	3.2	34
20	Historical and future seasonal rainfall variability in Nusa Tenggara Barat Province, Indonesia: Implications for the agriculture and water sectors. <i>Climate Risk Management</i> , 2016, 12, 45-58.	3.2	33
21	Precipitation projections in the tropical Pacific are sensitive to different types of SST bias adjustment. <i>Geophysical Research Letters</i> , 2015, 42, 10,856.	4.0	17
22	Projection of Indian summer monsoon climate in 2041–2060 by multiregional and global climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1776-1793.	3.3	35
23	Projections of rapidly rising surface temperatures over Africa under low mitigation. <i>Environmental Research Letters</i> , 2015, 10, 085004.	5.2	300
24	Simulating the climate of South Pacific islands using a high resolution model. <i>International Journal of Climatology</i> , 2015, 35, 1157-1171.	3.5	4
25	Land use and land cover change impacts on the regional climate of non-Amazonian South America: A review. <i>Global and Planetary Change</i> , 2015, 128, 103-119.	3.5	186
26	Seasonal and regional signature of the projected southern Australian rainfall reduction. , 2015, 65, 54-71.		43
27	Climate projections for southern Australian cool-season rainfall: insights from a downscaling comparison. <i>Climate Research</i> , 2015, 62, 251-265.	1.1	11
28	Downscaling over Vietnam using the stretched-grid CCAM: verification of the mean and interannual variability of rainfall. <i>Climate Dynamics</i> , 2014, 43, 861-879.	3.8	21
29	Performance of an empirical bias–correction of a high–resolution climate dataset. <i>International Journal of Climatology</i> , 2014, 34, 2189-2204.	3.5	63
30	Regional changes of climate extremes over Australia—A comparison of regional dynamical downscaling and global climate model simulations. <i>International Journal of Climatology</i> , 2014, 34, 3456-3478.	3.5	24
31	On regional dynamical downscaling for the assessment and projection of temperature and precipitation extremes across Tasmania, Australia. <i>Climate Dynamics</i> , 2013, 41, 3145-3165.	3.8	45
32	A regional response in mean westerly circulation and rainfall to projected climate warming over Tasmania, Australia. <i>Climate Dynamics</i> , 2013, 40, 2035-2048.	3.8	16
33	Global dynamical projections of surface ocean wave climate for a future high greenhouse gas emission scenario. <i>Ocean Modelling</i> , 2013, 70, 221-245.	2.4	114
34	Performance of downscaled regional climate simulations using a variable–resolution regional climate model: Tasmania as a test case. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,936.	3.3	35
35	Regional–scale rainfall projections: Simulations for the New Guinea region using the CCAM model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1271-1280.	3.3	12
36	Global 60–km simulations with CCAM: evaluation over the tropics. <i>Climate Dynamics</i> , 2012, 39, 637-654.	3.8	29

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37	High-resolution projections of surface water availability for Tasmania, Australia. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1287-1303.	4.9	30
38	Improved regional climate modelling through dynamical downscaling. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 11, 012026.	0.3	2
39	An Atmospheric Sciences Workflow and its implementation with Web Services. <i>Future Generation Computer Systems</i> , 2005, 21, 69-78.	7.5	25
40	The Data Integration for Model Evaluation Web Site: A One-Stop Shop for Model Evaluation. <i>Bulletin of the American Meteorological Society</i> , 2004, 85, 830-835.	3.3	4
41	Impacts of Land Surface Model Complexity on a Regional Simulation of a Tropical Synoptic Event. <i>Journal of Hydrometeorology</i> , 2004, 5, 180-198.	1.9	8
42	Modelling of the OASIS Energy Flux Measurements Using Two Canopy Concepts. <i>Boundary-Layer Meteorology</i> , 2003, 107, 49-79.	2.3	10
43	Relevance of sub-grid-scale land-use effects for mesoscale models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2003, 55, 232-246.	1.7	40
44	Hydrological Processes in Regional Climate Model Simulations of the Central United States Flood of June–July 1993. <i>Journal of Hydrometeorology</i> , 2003, 4, 584-598.	1.9	43
45	Limited-Area Model Sensitivity to the Complexity of Representation of the Land Surface Energy Balance. <i>Journal of Climate</i> , 2001, 14, 3965-3986.	3.2	18
46	A Mesoscale Model Intercomparison: A Case of Explosive Development of a Tropical Cyclone (COMPARE). <i>Journal of Climate</i> , 2000, 13, 2729-2745.	1.8	20
47	Developing scenarios of climate change for Southeastern Australia: an example using regional climate model output. <i>Climate Research</i> , 2001, 16, 181-201.	1.1	26
48	Midlatitude Frontal Clouds: GCM-Scale Modeling Implications. <i>Journal of Climate</i> , 2000, 13, 2729-2745.	3.2	16
49	A Scheme for Calculation of the Liquid Fraction in Mixed-Phase Stratiform Clouds in Large-Scale Models. <i>Monthly Weather Review</i> , 2000, 128, 1070-1088.	1.4	136
50	Simulations of a Cold Front by Cloud-Resolving, Limited-Area, and Large-Scale Models, and a Model Evaluation Using In Situ and Satellite Observations. <i>Monthly Weather Review</i> , 2000, 128, 3218-3235.	1.4	38
51	The Impact of Climate Change on the Poleward Movement of Tropical Cyclone–Like Vortices in a Regional Climate Model. <i>Journal of Climate</i> , 2000, 13, 1116-1132.	3.2	35
52	Precipitation in marine cumulus and stratocumulus. <i>Atmospheric Research</i> , 2000, 54, 117-155.	4.1	46
53	The second compare exercise: A model intercomparison using a case of a typical mesoscale orographic flow, the pyrex iop3. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2000, 126, 991-1029.	2.7	20
54	The second COMPARE exercise: A model intercomparison using a case of a typical mesoscale orographic flow, the PYREX IOP3. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2000, 126, 991-1029.	2.7	9

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55	Smart tetrons for Lagrangian air-mass tracking during ACE 1. <i>Journal of Geophysical Research</i> , 1999, 104, 11709-11722.	3.3	18
56	Simulating midsummer climate over southern Africa using a nested regional climate model. <i>Journal of Geophysical Research</i> , 1999, 104, 19015-19025.	3.3	30
57	Project to Intercompare Regional Climate Simulations (PIRCS): Description and initial results. <i>Journal of Geophysical Research</i> , 1999, 104, 19443-19461.	3.3	169
58	Regional model simulations of New Zealand climate. <i>Journal of Geophysical Research</i> , 1998, 103, 5973-5982.	3.3	30
59	Modification of the Thermodynamic Structure of the Lower Troposphere by the Evaporation of Precipitation: A GEWEX Cloud System Study. <i>Monthly Weather Review</i> , 1997, 125, 1431-1446.	1.4	21
60	A Regional Model Intercomparison Using a Case of Explosive Oceanic Cyclogenesis. <i>Weather and Forecasting</i> , 1996, 11, 521-543.	1.4	35
61	GCM Simulations of Eastern Australian Cutoff Lows. <i>Journal of Climate</i> , 1996, 9, 2337-2355.	3.2	27
62	Simulation of Extreme New Zealand Precipitation Events. Part I: Sensitivity to Orography and Resolution. <i>Monthly Weather Review</i> , 1995, 123, 737-754.	1.4	41
63	Simulation of Extreme New Zealand Precipitation Events. Part II: Mechanisms of Precipitation Development. <i>Monthly Weather Review</i> , 1995, 123, 755-775.	1.4	22
64	The Life Cycle of a Cyclone Wave in the Southern Hemisphere. Part I: Eddy Energy Budget. <i>Journals of the Atmospheric Sciences</i> , 1991, 48, 1972-1998.	1.7	144
65	Simulation of an Extratropical Cyclone in the Southern Hemisphere: Model Sensitivity. <i>Journals of the Atmospheric Sciences</i> , 1991, 48, 2293-2312.	1.7	17
66	Sensitivity of Model Simulations for a Coastal Cyclone. <i>Monthly Weather Review</i> , 1987, 115, 2792-2821.	1.4	17