

Filippo Giorgi

List of Publications by Year in descending order

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87
papers

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citations

47006

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58581

82
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87
all docs

87
docs citations

87
times ranked

11175
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change projections for the Mediterranean region. <i>Global and Planetary Change</i> , 2008, 63, 90-104.	3.5	2,367
2	Regional Climate Modeling for the Developing World: The ICTP RegCM3 and RegCNET. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1395-1410.	3.3	847
3	Introduction to special section: Regional Climate Modeling Revisited. <i>Journal of Geophysical Research</i> , 1999, 104, 6335-6352.	3.3	808
4	Approaches to the simulation of regional climate change: A review. <i>Reviews of Geophysics</i> , 1991, 29, 191-216.	23.0	694
5	Development of a Second-Generation Regional Climate Model (RegCM2). Part I: Boundary-Layer and Radiative Transfer Processes. <i>Monthly Weather Review</i> , 1993, 121, 2794-2813.	1.4	678
6	Development of a Second-Generation Regional Climate Model (RegCM2). Part II: Convective Processes and Assimilation of Lateral Boundary Conditions. <i>Monthly Weather Review</i> , 1993, 121, 2814-2832.	1.4	659
7	An inter-comparison of regional climate models for Europe: model performance in present-day climate. <i>Climatic Change</i> , 2007, 81, 31-52.	3.6	602
8	Simulation of Regional Climate Using a Limited Area Model Nested in a General Circulation Model. <i>Journal of Climate</i> , 1990, 3, 941-963.	3.2	551
9	A regional climate model for the western United States. <i>Climatic Change</i> , 1989, 15, 383.	3.6	494
10	Regional Dynamical Downscaling and the CORDEX Initiative. <i>Annual Review of Environment and Resources</i> , 2015, 40, 467-490.	13.4	484
11	The Climatological Skill of a Regional Model over Complex Terrain. <i>Monthly Weather Review</i> , 1989, 117, 2325-2347.	1.4	410
12	Thirty Years of Regional Climate Modeling: Where Are We and Where Are We Going next?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5696-5723.	3.3	358
13	Regional Climate Change Scenarios over the United States Produced with a Nested Regional Climate Model. <i>Journal of Climate</i> , 1994, 7, 375-399.	3.2	339
14	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 4087-4095.	3.6	286
15	The Effects of Domain Choice on Summer Precipitation Simulation and Sensitivity in a Regional Climate Model. <i>Journal of Climate</i> , 1998, 11, 2698-2712.	3.2	245
16	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020, 33, 3635-3661.	3.2	230
17	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	227
18	Added value of regional climate modeling over areas characterized by complex terrain: Precipitation over the Alps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3957-3972.	3.3	225

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19	Climate Change and Future Pollen Allergy in Europe. <i>Environmental Health Perspectives</i> , 2017, 125, 385-391.	6.0	216
20	A study of internal variability of a regional climate model. <i>Journal of Geophysical Research</i> , 2000, 105, 29503-29521.	3.3	209
21	Enhanced summer convective rainfall at Alpine high elevations in response to climate warming. <i>Nature Geoscience</i> , 2016, 9, 584-589.	12.9	197
22	Increase in summer European ozone amounts due to climate change. <i>Atmospheric Environment</i> , 2007, 41, 7577-7587.	4.1	192
23	Dust aerosol impact on regional precipitation over western Africa, mechanisms and sensitivity to absorption properties. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	173
24	Direct radiative forcing and regional climatic effects of anthropogenic aerosols over East Asia: A regional coupled climate-chemistry/aerosol model study. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 7-1.	3.3	155
25	Progress in regional downscaling of west African precipitation. <i>Atmospheric Science Letters</i> , 2011, 12, 75-82.	1.9	146
26	Regional climate effects of aerosols over China: modeling and observation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 914-934.	1.6	140
27	The Multiyear Surface Climatology of a Regional Atmospheric Model over the Western United States. <i>Journal of Climate</i> , 1993, 6, 75-95.	3.2	137
28	An atmosphere-ocean regional climate model for the Mediterranean area: assessment of a present climate simulation. <i>Climate Dynamics</i> , 2010, 35, 721-740.	3.8	133
29	Extension and Intensification of the Meso-American mid-summer drought in the twenty-first century. <i>Climate Dynamics</i> , 2008, 31, 551-571.	3.8	125
30	Title is missing!. <i>Climatic Change</i> , 2003, 58, 345-376.	3.6	120
31	Climate Change Prediction. <i>Climatic Change</i> , 2005, 73, 239-265.	3.6	120
32	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. <i>Climate Dynamics</i> , 2021, 57, 275-302.	3.8	114
33	Simulation of the Indian monsoon using the RegCM3-ROMS regional coupled model. <i>Climate Dynamics</i> , 2009, 33, 119-139.	3.8	113
34	Evaluation of the Large EURO-CORDEX Regional Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032344.	3.3	109
35	Assessment of the European Climate Projections as Simulated by the Large EURO-CORDEX Regional and Global Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032356.	3.3	104
36	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. <i>Climate Dynamics</i> , 2021, 56, 3581-3602.	3.8	101

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37	Simulating the water balance of the Aral Sea with a coupled regional climate-lake model. <i>Journal of Geophysical Research</i> , 1999, 104, 6583-6602.	3.3	93
38	Regional earth system modeling: review and future directions. <i>Atmospheric and Oceanic Science Letters</i> , 2018, 11, 189-197.	1.3	91
39	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013, 118, 625-640.	3.6	88
40	Use of a limited-area model nested in a general circulation model for regional climate simulation over Europe. <i>Journal of Geophysical Research</i> , 1990, 95, 18413-18431.	3.3	85
41	Does the model regional bias affect the projected regional climate change? An analysis of global model projections. <i>Climatic Change</i> , 2010, 100, 787-795.	3.6	83
42	Climate hazard indices projections based on CORDEX-CORE, CMIP5 and CMIP6 ensemble. <i>Climate Dynamics</i> , 2021, 57, 1293.	3.8	83
43	Bias correction of temperature and precipitation over China for RCM simulations using the QM and QDM methods. <i>Climate Dynamics</i> , 2021, 57, 1425-1443.	3.8	79
44	Assessment of multiple daily precipitation statistics in ERA-Interim driven Med-CORDEX and EURO-CORDEX experiments against high resolution observations. <i>Climate Dynamics</i> , 2018, 51, 877-900.	3.8	78
45	Multiyear present-day and 2 Å– CO ₂ simulations of monsoon climate over eastern Asia and Japan with a regional climate model nested in a general circulation model. <i>Journal of Geophysical Research</i> , 1995, 100, 21105.	3.3	71
46	Assessing mean climate change signals in the global CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2021, 57, 1269.	3.8	63
47	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 171.	1.6	50
48	European climate change oscillation (ECO). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	49
49	Inter-annual variability of precipitation over Southern Mexico and Central America and its relationship to sea surface temperature from a set of future projections from CMIP5 GCMs and RegCM4 CORDEX simulations. <i>Climate Dynamics</i> , 2015, 45, 425-440.	3.8	49
50	Current and future potential of solar and wind energy over Africa using the RegCM4 CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2021, 57, 1647.	3.8	49
51	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. <i>Climate Dynamics</i> , 2021, 57, 1463-1488.	3.8	47
52	Dependence of the surface climate interannual variability on spatial scale. <i>Geophysical Research Letters</i> , 2002, 29, 16-1-16-4.	4.0	45
53	Multi-decadal scenario simulation over Korea using a one-way double-nested regional climate model system. Part 2: future climate projection (2021–2050). <i>Climate Dynamics</i> , 2008, 30, 239-254.	3.8	37
54	The CORDEX-CORE EXP-I Initiative: Description and Highlight Results from the Initial Analysis. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E293-E310.	3.3	35

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55	The role of ENSO and PDO in variability of winter precipitation over North America from twenty first century CMIP5 projections. <i>Climate Dynamics</i> , 2016, 46, 3259-3277.	3.8	34
56	Impact of climate change on snow melt driven runoff timing over the Alpine region. <i>Climate Dynamics</i> , 2018, 51, 1259-1273.	3.8	33
57	Indian Summer Monsoon as simulated by the regional earth system model RegCM-ES: the role of local air-sea interaction. <i>Climate Dynamics</i> , 2019, 53, 759-778.	3.8	31
58	Projections of river floods in Europe using EURO-CORDEX, CMIP5 and CMIP6 simulations. <i>International Journal of Climatology</i> , 2021, 41, 3203-3221.	3.5	29
59	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. <i>Geoscientific Model Development</i> , 2021, 14, 7705-7723.	3.6	29
60	Editorial for the CORDEX-CORE Experiment I Special Issue. <i>Climate Dynamics</i> , 2021, 57, 1265-1268.	3.8	27
61	Influence of Lake Malawi on regional climate from a double-nested regional climate model experiment. <i>Climate Dynamics</i> , 2018, 50, 3397-3411.	3.8	25
62	Threatening levels of cumulative stress due to hydroclimatic extremes in the 21st century. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	23
63	Investigating the relative responses of regional monsoon dynamics to snow darkening and direct radiative effects of dust and carbonaceous aerosols over the Indian subcontinent. <i>Climate Dynamics</i> , 2020, 55, 1011-1030.	3.8	23
64	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. <i>Climate Dynamics</i> , 2022, 58, 2501-2524.	3.8	22
65	Regional stretched grid generation and its application to the NCAR RegCM. <i>Journal of Geophysical Research</i> , 1999, 104, 6501-6513.	3.3	20
66	Sensitivity study of the regional climate model RegCM4 to different convective schemes over West Africa. <i>Earth System Dynamics</i> , 2018, 9, 1261-1278.	7.1	20
67	The Regional Earth System Model RegCM-ES: Evaluation of the Mediterranean Climate and Marine Biogeochemistry. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001812.	3.8	20
68	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021, 57, 1551-1569.	3.8	20
69	Assessing changes in the atmospheric water budget as drivers for precipitation change over two CORDEX-CORE domains. <i>Climate Dynamics</i> , 2021, 57, 1615.	3.8	18
70	Near-Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Present-Day Characteristics of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031414.	3.3	17
71	Projected changes to severe thunderstorm environments as a result of twenty-first century warming from RegCM CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021, 57, 1595-1613.	3.8	15
72	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021, 57, 1507-1531.	3.8	14

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73	Comparison of GCM and RCM simulated precipitation and temperature over Central America and the Caribbean. <i>Theoretical and Applied Climatology</i> , 2021, 143, 389-402.	2.8	12
74	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific Based on Multi-RegCM4 Simulations. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 284-303.	4.3	12
75	Development and validation of a regional coupled atmosphere lake model for the Caspian Sea Basin. <i>Climate Dynamics</i> , 2013, 41, 1731-1748.	3.8	8
76	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. <i>Atmosphere</i> , 2022, 13, 861.	2.3	8
77	Projected changes in precipitation and temperature regimes and extremes over the Caribbean and Central America using a multiparameter ensemble of RegCM4. <i>International Journal of Climatology</i> , 2021, 41, 1328-1350.	3.5	6
78	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. <i>Climate Dynamics</i> , 2021, 57, 1445-1461.	3.8	6
79	Linkage between the absorbing aerosol-induced snow darkening effects over the Himalayas-Tibetan Plateau and the pre-monsoon climate over northern India. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1033-1048.	2.8	6
80	Caribbean <sc>Lowâ€Level</sc> Jet future projections using a multiparameter ensemble of <sc>RegCM4</sc> configurations. <i>International Journal of Climatology</i> , 2022, 42, 1544-1559.	3.5	5
81	Interannual variability of the boreal winter subtropical jet stream and teleconnections over the CORDEX-CAM domain during 1980â€2010. <i>Climate Dynamics</i> , 2021, 57, 1571-1594.	3.8	3
82	Populated regional climate models (Pop-RCMs): The next frontier in regional climate modeling. , 2022, 1, e0000042.		3
83	Use of daily precipitation records to assess the response of extreme events to global warming: Methodology and illustrative application to the European region. <i>International Journal of Climatology</i> , 2022, 42, 7061-7070.	3.5	2
84	Appreciation of Peer Reviewers for 2019. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032611.	3.3	0
85	Appreciation of Peer Reviewers for 2020. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034920.	3.3	0
86	Appreciation of Peer Reviewers for 2021. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	0
87	The effect of sea surface temperature and deforestation on the m <sc>idâ€summer</sc> drought over Mexico and Central America. <i>International Journal of Climatology</i> , 0, , .	3.5	0