Filippo Giorgi

List of Publications by Year
in descending order

87	14,774	47006 47	58581 82
papers	citations	h-index	g-index

87	87	87	11175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. Tellus, Series B: Chemical and Physical Meteorology, 2022, 53, 171.	1.6	50
2	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific Based on Multi-RegCM4 Simulations. Advances in Atmospheric Sciences, 2022, 39, 284-303.	4.3	12
3	Caribbean <scp>Lowâ€Level</scp> Jet future projections using a multiparameter ensemble of <scp>RegCM4</scp> configurations. International Journal of Climatology, 2022, 42, 1544-1559.	3.5	5
4	The CORDEX-CORE EXP-I Initiative: Description and Highlight Results from the Initial Analysis. Bulletin of the American Meteorological Society, 2022, 103, E293-E310.	3.3	35
5	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. Climate Dynamics, 2022, 58, 2501-2524.	3.8	22
6	Linkage between the absorbing aerosol-induced snow darkening effects over the Himalayas-Tibetan Plateau and the pre-monsoon climate over northern India. Theoretical and Applied Climatology, 2022, 147, 1033-1048.	2.8	6
7	Use of daily precipitation records to assess the response of extreme events to global warming: Methodology and illustrative application to the European region. International Journal of Climatology, 2022, 42, 7061-7070.	3.5	2
8	Appreciation of Peer Reviewers for 2021. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	0
9	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. Atmosphere, 2022, 13, 861.	2.3	8
10	Populated regional climate models (Pop-RCMs): The next frontier in regional climate modeling. , 2022, 1, e0000042.		3
11	Assessing mean climate change signals in the global CORDEX-CORE ensemble. Climate Dynamics, 2021, 57, 1269.	3.8	63
12	Assessing changes in the atmospheric water budget as drivers for precipitation change over two CORDEX-CORE domains. Climate Dynamics, 2021, 57, 1615.	3.8	18
13	Evaluation of the Large EUROâ€CORDEX Regional Climate Model Ensemble. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2019JD032344.	3.3	109
14	Current and future potential of solar and wind energy over Africa using the RegCM4 CORDEX-CORE ensemble. Climate Dynamics, 2021, 57, 1647.	3.8	49
15	Projected changes to severe thunderstorm environments as a result of twenty-first century warming from RegCM CORDEX-CORE simulations. Climate Dynamics, 2021, 57, 1595-1613.	3.8	15
16	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. Climate Dynamics, 2021, 57, 1463-1488.	3.8	47
17	Comparison of GCM and RCM simulated precipitation and temperature over Central America and the Caribbean. Theoretical and Applied Climatology, 2021, 143, 389-402.	2.8	12
18	Assessment of the European Climate Projections as Simulated by the Large EUROâ€CORDEX Regional and Global Climate Model Ensemble. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2019JD032356.	3.3	104

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19	Interannual variability of the boreal winter subtropical jet stream and teleconnections over the CORDEX-CAM domain during 1980â€“2010. Climate Dynamics, 2021, 57, 1571-1594.	3.8	3
20	Projected changes in precipitation and temperature regimes and extremes over the Caribbean and Central America using a multiparameter ensemble of RegCM4. International Journal of Climatology, 2021, 41, 1328-1350.	3.5	6
21	Bias correction of temperature and precipitation over China for RCM simulations using the QM and QDM methods. Climate Dynamics, 2021, 57, 1425-1443.	3.8	79
22	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. Climate Dynamics, 2021, 57, 1445-1461.	3.8	6
23	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. Climate Dynamics, 2021, 57, 1551-1569.	3.8	20
24	Projections of river floods in Europe using <scp>EUROâ€CORDEX</scp>, <scp>CMIP5</scp> and <scp>CMIP6</scp> simulations. International Journal of Climatology, 2021, 41, 3203-3221.	3.5	29
25	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. Climate Dynamics, 2021, 56, 3581-3602.	3.8	101
26	Climate hazard indices projections based on CORDEX-CORE, CMIP5 and CMIP6 ensemble. Climate Dynamics, 2021, 57, 1293.	3.8	83
27	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. Climate Dynamics, 2021, 57, 1507-1531.	3.8	14
28	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. Climate Dynamics, 2021, 57, 275-302.	3.8	114
29	Editorial for the CORDEX-CORE Experiment I Special Issue. Climate Dynamics, 2021, 57, 1265-1268.	3.8	27
30	Appreciation of Peer Reviewers for 2020. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034920.	3.3	0
31	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. Geoscientific Model Development, 2021, 14, 7705-7723.	3.6	29
32	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. Journal of Climate, 2020, 33, 3635-3661.	3.2	230
33	Appreciation of Peer Reviewers for 2019. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032611.	3.3	0
34	Investigating the relative responses of regional monsoon dynamics to snow darkening and direct radiative effects of dust and carbonaceous aerosols over the Indian subcontinent. Climate Dynamics, 2020, 55, 1011-1030.	3.8	23
35	The Regional Earth System Model RegCMâ€ES: Evaluation of the Mediterranean Climate and Marine Biogeochemistry. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001812.	3.8	20
36	Nearâ€Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Presentâ€Day Characteristics of the Indian Summer Monsoon. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031414.	3.3	17

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37	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. Regional Environmental Change, 2020, 20, 1.	2.9	227
38	Thirty Years of Regional Climate Modeling: Where Are We and Where Are We Going next?. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5696-5723.	3.3	358
39	Indian Summer Monsoon as simulated by the regional earth system model RegCM-ES: the role of local airâ€“sea interaction. Climate Dynamics, 2019, 53, 759-778.	3.8	31
40	Impact of climate change on snow melt driven runoff timing over the Alpine region. Climate Dynamics, 2018, 51, 1259-1273.	3.8	33
41	Assessment of multiple daily precipitation statistics in ERA-Interim driven Med-CORDEX and EURO-CORDEX experiments against high resolution observations. Climate Dynamics, 2018, 51, 877-900.	3.8	78
42	Influence of Lake Malawi on regional climate from a double-nested regional climate model experiment. Climate Dynamics, 2018, 50, 3397-3411.	3.8	25
43	Sensitivity study of the regional climate model RegCM4 to different convective schemes over West Africa. Earth System Dynamics, 2018, 9, 1261-1278.	7.1	20
44	Threatening levels of cumulative stress due to hydroclimatic extremes in the 21st century. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	23
45	Regional earth system modeling: review and future directions. Atmospheric and Oceanic Science Letters, 2018, 11, 189-197.	1.3	91
46	Climate Change and Future Pollen Allergy in Europe. Environmental Health Perspectives, 2017, 125, 385-391.	6.0	216
47	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. Geoscientific Model Development, 2016, 9, 4087-4095.	3.6	286
48	The role of ENSO and PDO in variability of winter precipitation over North America from twenty first century CMIP5 projections. Climate Dynamics, 2016, 46, 3259-3277.	3.8	34
49	Enhanced summer convective rainfall at Alpine high elevations in response to climate warming. Nature Geoscience, 2016, 9, 584-589.	12.9	197
50	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. Climate Dynamics, 2015, 45, 425-440.	3.8	49
51	Regional Dynamical Downscaling and the CORDEX Initiative. Annual Review of Environment and Resources, 2015, 40, 467-490.	13.4	484
52	Added value of regional climate modeling over areas characterized by complex terrainâ€”Precipitation over the Alps. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3957-3972.	3.3	225
53	Climate change and infectious diseases: Can we meet the needs for better prediction?. Climatic Change, 2013, 118, 625-640.	3.6	88
54	Development and validation of a regional coupled atmosphere lake model for the Caspian Sea Basin. Climate Dynamics, 2013, 41, 1731-1748.	3.8	8

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55	Progress in regional downscaling of west African precipitation. Atmospheric Science Letters, 2011, 12, 75-82.	1.9	146
56	An atmosphereâ€“ocean regional climate model for the Mediterranean area: assessment of a present climate simulation. Climate Dynamics, 2010, 35, 721-740.	3.8	133
57	Does the model regional bias affect the projected regional climate change? An analysis of global model projections. Climatic Change, 2010, 100, 787-795.	3.6	83
58	Simulation of the Indian monsoon using the RegCM3â€“ROMS regional coupled model. Climate Dynamics, 2009, 33, 119-139.	3.8	113
59	Multi-decadal scenario simulation over Korea using a one-way double-nested regional climate model system. Part 2: future climate projection (2021â€“2050). Climate Dynamics, 2008, 30, 239-254.	3.8	37
60	Extension and Intensification of the Meso-American mid-summer drought in the twenty-first century. Climate Dynamics, 2008, 31, 551-571.	3.8	125
61	Climate change projections for the Mediterranean region. Global and Planetary Change, 2008, 63, 90-104.	3.5	2,367
62	Dust aerosol impact on regional precipitation over western Africa, mechanisms and sensitivity to absorption properties. Geophysical Research Letters, 2008, 35, .	4.0	173
63	Regional Climate Modeling for the Developing World: The ICTP RegCM3 and RegCNET. Bulletin of the American Meteorological Society, 2007, 88, 1395-1410.	3.3	847
64	European climateâ€change oscillation (ECO). Geophysical Research Letters, 2007, 34, .	4.0	49
65	Increase in summer European ozone amounts due to climate change. Atmospheric Environment, 2007, 41, 7577-7587.	4.1	192
66	An inter-comparison of regional climate models for Europe: model performance in present-day climate. Climatic Change, 2007, 81, 31-52.	3.6	602
67	Climate Change Prediction. Climatic Change, 2005, 73, 239-265.	3.6	120
68	Title is missing!. Climatic Change, 2003, 58, 345-376.	3.6	120
69	Regional climate effects of aerosols over China: modeling and observation. Tellus, Series B: Chemical and Physical Meteorology, 2003, 55, 914-934.	1.6	140
70	Direct radiative forcing and regional climatic effects of anthropogenic aerosols over East Asia: A regional coupled climate-chemistry/aerosol model study. Journal of Geophysical Research, 2002, 107, AAC 7-1.	3.3	155
71	Dependence of the surface climate interannual variability on spatial scale. Geophysical Research Letters, 2002, 29, 16-1-16-4.	4.0	45
72	A study of internal variability of a regional climate model. Journal of Geophysical Research, 2000, 105, 29503-29521.	3.3	209

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73	Introduction to special section: Regional Climate Modeling Revisited. Journal of Geophysical Research, 1999, 104, 6335-6352.	3.3	808
74	Simulating the water balance of the Aral Sea with a coupled regional climate-lake model. Journal of Geophysical Research, 1999, 104, 6583-6602.	3.3	93
75	Regional stretched grid generation and its application to the NCAR RegCM. Journal of Geophysical Research, 1999, 104, 6501-6513.	3.3	20
76	The Effects of Domain Choice on Summer Precipitation Simulation and Sensitivity in a Regional Climate Model. Journal of Climate, 1998, 11, 2698-2712.	3.2	245
77	Multiyear present-day and 2 Ã— CO2simulations of monsoon climate over eastern Asia and Japan with a regional climate model nested in a general circulation model. Journal of Geophysical Research, 1995, 100, 21105.	3.3	71
78	Regional Climate Change Scenarios over the United States Produced with a Nested Regional Climate Model. Journal of Climate, 1994, 7, 375-399.	3.2	339
79	Development of a Second-Generation Regional Climate Model (RegCM2). Part II: Convective Processes and Assimilation of Lateral Boundary Conditions. Monthly Weather Review, 1993, 121, 2814-2832.	1.4	659
80	Development of a Second-Generation Regional Climate Model (RegCM2). Part I: Boundary-Layer and Radiative Transfer Processes. Monthly Weather Review, 1993, 121, 2794-2813.	1.4	678
81	The Multiyear Surface Climatology of a Regional Atmospheric Model over the Western United States. Journal of Climate, 1993, 6, 75-95.	3.2	137
82	Approaches to the simulation of regional climate change: A review. Reviews of Geophysics, 1991, 29, 191-216.	23.0	694
83	Use of a limitedâ€area model nested in a general circulation model for regional climate simulation over Europe. Journal of Geophysical Research, 1990, 95, 18413-18431.	3.3	85
84	Simulation of Regional Climate Using a Limited Area Model Nested in a General Circulation Model. Journal of Climate, 1990, 3, 941-963.	3.2	551
85	The Climatological Skill of a Regional Model over Complex Terrain. Monthly Weather Review, 1989, 117, 2325-2347.	1.4	410
86	A regional climate model for the western United States. Climatic Change, 1989, 15, 383.	3.6	494
87	The effect of sea surface temperature and deforestation on the m <scp>idâ€summer</scp> drought over Mexico and Central America. International Journal of Climatology, 0, , .	3.5	0