

Jose Abraham Torres-Alavez

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4169397/jose-abraham-torres-alavez-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

8,870
citations

41
h-index

94
g-index

100
ext. papers

10,099
ext. citations

4.5
avg, IF

6.39
L-index

#	Paper	IF	Citations
91	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. <i>Atmosphere</i> , 2022 , 13, 861	2.7	1
90	The CORDEX-CORE EXP-I initiative: Description and highlight results from the initial analysis. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-52	6.1	7
89	Climate hazard indices projections based on CORDEX-CORE, CMIP5 and CMIP6 ensemble. <i>Climate Dynamics</i> , 2021 , 57, 1293	4.2	16
88	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1507-1531	4.2	4
87	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	4.2	31
86	Future changes in winter explosive cyclones over the Southern Hemisphere domains from the CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2021 , 57, 3303	4.2	4
85	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. <i>Climate Dynamics</i> , 2021 , 57, 1463-1488	4.2	25
84	Emergence of robust anthropogenic increase of heat stress-related variables projected from CORDEX-CORE climate simulations. <i>Climate Dynamics</i> , 2021 , 57, 1629-1644	4.2	4
83	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	3	4
82	Interannual variability of the boreal winter subtropical jet stream and teleconnections over the CORDEX-CAM domain during 1980-2010. <i>Climate Dynamics</i> , 2021 , 57, 1571-1594	4.2	1
81	200 years of equilibrium-line altitude variability across the European Alps (1901-2100). <i>Climate Dynamics</i> , 2021 , 56, 1183-1201	4.2	8
80	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	3
79	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. <i>Climate Dynamics</i> , 2021 , 57, 1445-1461	4.2	2
78	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1551-1569	4.2	9
77	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	4.2	29
76	Analysis of Cooling and Heating Degree Days over Mexico in Present and Future Climate. <i>Atmosphere</i> , 2021 , 12, 1131	2.7	1
75	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. <i>Geoscientific Model Development</i> , 2021 , 14, 7705-7723	6.3	4

74	Producing actionable climate change information for regions: the distillation paradigm and the 3R framework. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	6
73	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	104
72	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020 , 33, 3635-3661	4.4	113
71	Assessing mean climate change signals in the global CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1269	4.2	21
70	Assessing changes in the atmospheric water budget as drivers for precipitation change over two CORDEX-CORE domains. <i>Climate Dynamics</i> , 2020 , 57, 1615	4.2	6
69	Current and future potential of solar and wind energy over Africa using the RegCM4 CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1647	4.2	14
68	A new spatially distributed added value index for regional climate models: the EURO-CORDEX and the CORDEX-CORE highest resolution ensembles. <i>Climate Dynamics</i> , 2020 , 57, 1403	4.2	13
67	Projected changes to severe thunderstorm environments as a result of twenty-first century warming from RegCM CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2020 , 57, 1595	4.2	6
66	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	4.4	130
65	Effects of Climate Change on Soil Erosion Risk Assessed by Clustering and Artificial Neural Network. <i>Pure and Applied Geophysics</i> , 2019 , 176, 937-949	2.2	7
64	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	4.2	24
63	Scaling precipitation extremes with temperature in the Mediterranean: past climate assessment and projection in anthropogenic scenarios. <i>Climate Dynamics</i> , 2018 , 51, 1237-1257	4.2	69
62	The performance of RegCM4 over the Central America and Caribbean region using different cumulus parameterizations. <i>Climate Dynamics</i> , 2018 , 50, 4103-4126	4.2	17
61	Projected Heat Stress Under 1.5°C and 2°C Global Warming Scenarios Creates Unprecedented Discomfort for Humans in West Africa. <i>Earth's Future</i> , 2018 , 6, 1029-1044	7.9	47
60	Land Use Change over the Amazon Forest and Its Impact on the Local Climate. <i>Water (Switzerland)</i> , 2018 , 10, 149	3	26
59	Influence of Lake Malawi on regional climate from a double-nested regional climate model experiment. <i>Climate Dynamics</i> , 2018 , 50, 3397-3411	4.2	20
58	Land-Cover Change and the Dust Bowl Drought in the U.S. Great Plains. <i>Journal of Climate</i> , 2018 , 31, 4657-4667	4.4	7
57	Sensitivity of tropical cyclones to resolution, convection scheme and ocean flux parameterization over Eastern Tropical Pacific and Tropical North Atlantic Oceans in the RegCM4 model. <i>Climate Dynamics</i> , 2017 , 49, 547-561	4.2	18

56	CORDEX: Climate Research and Information for Regions. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, ES189-ES192	6.1	15
55	Enhanced summer convective rainfall at Alpine high elevations in response to climate warming. <i>Nature Geoscience</i> , 2016 , 9, 584-589	18.3	145
54	A multimodel intercomparison of resolution effects on precipitation: simulations and theory. <i>Climate Dynamics</i> , 2016 , 47, 2205-2218	4.2	37
53	Percentile indices for assessing changes in heavy precipitation events. <i>Climatic Change</i> , 2016 , 137, 201-216	15	140
52	Numerical framework and performance of the new multiple-phase cloud microphysics scheme in RegCM4.5: precipitation, cloud microphysics, and cloud radiative effects. <i>Geoscientific Model Development</i> , 2016 , 9, 2533-2547	6.3	21
51	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 4087-4095	6.3	174
50	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	4.2	26
49	Regional Dynamical Downscaling and the CORDEX Initiative. <i>Annual Review of Environment and Resources</i> , 2015 , 40, 467-490	17.2	330
48	Projected seasonal mean summer monsoon over India and adjoining regions for the twenty-first century. <i>Theoretical and Applied Climatology</i> , 2015 , 122, 581-593	3	29
47	Evaluation of the radiation budget with a regional climate model over Europe and inspection of dimming and brightening. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 1951-1971	4.4	22
46	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	4.2	42
45	Changes in extremes and hydroclimatic regimes in the CREMA ensemble projections. <i>Climatic Change</i> , 2014 , 125, 39-51	4.5	97
44	Present and future climatologies in the phase I CREMA experiment. <i>Climatic Change</i> , 2014 , 125, 23-38	4.5	51
43	Climate change impact on precipitation for the Amazon and La Plata basins. <i>Climatic Change</i> , 2014 , 125, 111-125	4.5	56
42	Introduction to the special issue: the phase I CORDEX RegCM4 hyper-matrix (CREMA) experiment. <i>Climatic Change</i> , 2014 , 125, 1-5	4.5	25
41	Changing hydrological conditions in the Po basin under global warming. <i>Science of the Total Environment</i> , 2014 , 493, 1183-96	10.2	37
40	Mediterranean warm-core cyclones in a warmer world. <i>Climate Dynamics</i> , 2014 , 42, 1053-1066	4.2	33
39	Development and validation of a regional coupled atmosphere lake model for the Caspian Sea Basin. <i>Climate Dynamics</i> , 2013 , 41, 1731-1748	4.2	7

38	Simulation of South Asian aerosols for regional climate studies. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		81
37	Program focuses on climate of the Mediterranean region. <i>Eos</i> , 2012 , 93, 105-106	1.5	20
36	Precipitation Climatology in an Ensemble of CORDEX-Africa Regional Climate Simulations. <i>Journal of Climate</i> , 2012 , 25, 6057-6078	4.4	447
35	Future changes in Central Europe heat waves expected to mostly follow summer mean warming. <i>Climate Dynamics</i> , 2010 , 35, 1191-1205	4.2	71
34	Changes in European temperature extremes can be predicted from changes in PDF central statistics. <i>Climatic Change</i> , 2010 , 98, 277-284	4.5	82
33	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	4.5	74
32	An assessment of temperature and precipitation change projections over Italy from recent global and regional climate model simulations. <i>International Journal of Climatology</i> , 2010 , 30, 11-32	3.5	70
31	Simulation and Projection of Monso on Rainfall and Rain Patterns over Eastern China under Global Warming by RegCM3. <i>Atmospheric and Oceanic Science Letters</i> , 2009 , 2, 308-313	1.4	15
30	Simulation of the Indian monsoon using the RegCM3ROMS regional coupled model. <i>Climate Dynamics</i> , 2009 , 33, 119-139	4.2	106
29	Land surface coupling in regional climate simulations of the West African monsoon. <i>Climate Dynamics</i> , 2009 , 33, 869-892	4.2	169
28	Time of emergence (TOE) of GHG-forced precipitation change hot-spots. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	106
27	Climate change hotspots in the United States. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	160
26	A Simple Equation for Regional Climate Change and Associated Uncertainty. <i>Journal of Climate</i> , 2008 , 21, 1589-1604	4.4	21
25	Extension and Intensification of the Meso-American mid-summer drought in the twenty-first century. <i>Climate Dynamics</i> , 2008 , 31, 551-571	4.2	105
24	Heat stress intensification in the Mediterranean climate change hotspot. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	289
23	Regional Climate Modeling for the Developing World: The ICTP RegCM3 and RegCNET. <i>Bulletin of the American Meteorological Society</i> , 2007 , 88, 1395-1410	6.1	776
22	European climate-change oscillation (ECO). <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	38
21	Convection suppression criteria applied to the MIT cumulus parameterization scheme for simulating the Asian summer monsoon. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	38

20	Projected changes in mean and extreme precipitation over the Mediterranean region from a high resolution double nested RCM simulation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	273
19	Climate Change Prediction. <i>Climatic Change</i> , 2005 , 73, 239-265	4.5	94
18	Mean, interannual variability and trends in a regional climate change experiment over Europe. II: climate change scenarios (2071-100). <i>Climate Dynamics</i> , 2004 , 23, 839-858	4.2	262
17	Consistency of recent European summer precipitation trends and extremes with future regional climate projections. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	172
16	Effects of a Subgrid-Scale Topography and Land Use Scheme on the Simulation of Surface Climate and Hydrology. Part I: Effects of Temperature and Water Vapor Disaggregation. <i>Journal of Hydrometeorology</i> , 2003 , 4, 317-333	3.7	90
15	Indirect vs. Direct Effects of Anthropogenic Sulfate on the Climate of East Asia as Simulated with a Regional Coupled Climate-Chemistry/Aerosol Model. <i>Climatic Change</i> , 2003 , 58, 345-376	4.5	96
14	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		139
13	Dependence of the surface climate interannual variability on spatial scale. <i>Geophysical Research Letters</i> , 2002 , 29, 16-1-16-4	4.9	39
12	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001 , 53, 171-191	3.3	45
11	Evaluating uncertainties in the prediction of regional climate change. <i>Geophysical Research Letters</i> , 2000 , 27, 1295-1298	4.9	210
10	Regional climatic effects of anthropogenic aerosols? The case of southwestern China. <i>Geophysical Research Letters</i> , 2000 , 27, 3521-3524	4.9	91
9	Introduction to special section: Regional Climate Modeling Revisited. <i>Journal of Geophysical Research</i> , 1999 , 104, 6335-6352		653
8	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	2.4	583
7	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	2.4	599
6	The Climatological Skill of a Regional Model over Complex Terrain. <i>Monthly Weather Review</i> , 1989 , 117, 2325-2347	2.4	349
5	A regional climate model for the western United States. <i>Climatic Change</i> , 1989 , 15, 383	4.5	386
4	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. <i>Climate Dynamics</i> , 1	4.2	6
3	Climate Change over China in the 21st Century as Simulated by BCC_CSM1.1-RegCM4.0		17

2	Evaluation of the performance of the non-hydrostatic RegCM4 (RegCM4-NH) over Southeastern China. <i>Climate Dynamics</i> ,1	4.2	1
1	Non-Hydrostatic RegCM4 (RegCM4-NH): Model description and case studies over multiple domains		4