Alvaro de la CÃ¡mara

List of Publications by Year
in descending order

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24 papers	1,129 citations	430874 18 h-index	642732 23 g-index
34 all docs	34 docs citations	34 times ranked	1563 citing authors

#	Article	IF	Citations
1	Stochastic Parameterization: Toward a New View of Weather and Climate Models. Bulletin of the American Meteorological Society, 2017, 98, 565-588.	3.3	247
2	Modification of the Gravity Wave Parameterization in the Whole Atmosphere Community Climate Model: Motivation and Results. Journals of the Atmospheric Sciences, 2017, 74, 275-291.	1.7	180
3	On the Predictability of the Winter Euro-Atlantic Climate: Lagged Influence of Autumn Arctic Sea Ice. Journal of Climate, 2015, 28, 5195-5216.	3.2	84
4	Comparison of Gravity Waves in the Southern Hemisphere Derived from Balloon Observations and the ECMWF Analyses. Journals of the Atmospheric Sciences, 2015, 72, 3449-3468.	1.7	75
5	Sensitivity of Sudden Stratospheric Warmings to Previous Stratospheric Conditions. Journals of the Atmospheric Sciences, 2017, 74, 2857-2877.	1.7	62
6	A parameterization of gravity waves emitted by fronts and jets. Geophysical Research Letters, 2015, 42, 2071-2078.	4.0	43
7	How does knowledge of atmospheric gravity waves guide their parameterizations?. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1529-1543.	2.7	40
8	Intermittency in a stochastic parameterization of nonorographic gravity waves. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,905.	3.3	38
9	Are Sudden Stratospheric Warmings Preceded by Anomalous Tropospheric Wave Activity?. Journal of Climate, 2019, 32, 7173-7189.	3.2	37
10	Routes of Transport across the Antarctic Polar Vortex in the Southern Spring. Journals of the Atmospheric Sciences, 2012, 69, 741-752.	1.7	35
11	Rotational atmospheric circulation during North Atlantic-European winter: the influence of ENSO. Climate Dynamics, 2011, 37, 1727-1743.	3.8	33
12	Stratospheric Connection to the Abrupt End of the 2016/2017 Iberian Drought. Geophysical Research Letters, 2018, 45, 12,639.	4.0	32
13	Isentropic Transport within the Antarctic Polar-Night Vortex: Rossby Wave Breaking Evidence and Lagrangian Structures. Journals of the Atmospheric Sciences, 2013, 70, 2982-3001.	1.7	31
14	On the Gravity Wave Forcing during the Southern Stratospheric Final Warming in LMDZ. Journals of the Atmospheric Sciences, 2016, 73, 3213-3226.	1.7	31
15	Changes in Stratospheric Transport and Mixing During Sudden Stratospheric Warmings. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3356-3373.	3.3	31
16	On the Relation between Gravity Waves and Wind Speed in the Lower Stratosphere over the Southern Ocean. Journals of the Atmospheric Sciences, 2017, 74, 1075-1093.	1.7	28
17	Response of Arctic ozone to sudden stratospheric warmings. Atmospheric Chemistry and Physics, 2018, 18, 16499-16513.	4.9	26
18	Polar night vortex breakdown and large-scale stirring in the southern stratosphere. Climate Dynamics, 2010, 35, 965-975.	3.8	19

#	Article	IF	Citations
19	Climatology of the middle atmosphere in LMD z: Impact of sourceâ€related parameterizations of gravity wave drag. Journal of Advances in Modeling Earth Systems, 2016, 8, 1507-1525.	3.8	14
20	Intra-seasonal variability of extreme boreal stratospheric polar vortex events and their precursors. Climate Dynamics, 2017, 49, 3473-3491.	3.8	12
21	Analyzing ozone variations and uncertainties at high latitudes during sudden stratospheric warming events using MERRA-2. Atmospheric Chemistry and Physics, 2022, 22, 5435-5458.	4.9	11
22	Can We Improve the Realism of Gravity Wave Parameterizations by Imposing Sources at All Altitudes in the Atmosphere?. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	7
23	Twentyâ€First Century Trends in Mixing Barriers and Eddy Transport in the Lower Stratosphere. Geophysical Research Letters, 2020, 47, e2020GL089548.	4.0	5
24	Non-orographic Gravity Waves: Representation in Climate Models and Effects on Infrasound. , 2019, , 827-844.		5