Carlos D Hoyos

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	1,578 citations	393982 19 h-index	500791 28 g-index
49 all docs	49 docs citations	49 times ranked	2110 citing authors

#	Article	IF	Citations
1	Ground accelerations and empirical site classification through H/V response spectral ratio (HVRSR) using historical records from the strong motion network of the AburrÃ¡ Valley, Colombia. Soil Dynamics and Earthquake Engineering, 2022, 152, 107063.	1.9	2
2	An Investigation of the Precipitation Net Effect on the Particulate Matter Concentration in a Narrow Valley: Role of Lower-Troposphere Stability. Journal of Applied Meteorology and Climatology, 2020, 59, 401-426.	0.6	17
3	Effects of fireworks on particulate matter concentration in a narrow valley: the case of the MedellÃn metropolitan area. Environmental Monitoring and Assessment, 2020, 192, 6.	1.3	24
4	Reconstructing the 2015ÂSalgar flash flood using radar retrievals and a conceptual modeling framework in an ungauged basin. Hydrology and Earth System Sciences, 2020, 24, 1367-1392.	1.9	14
5	Long-term aerosol optical hygroscopicity study at the ACTRIS SIRTA observatory: synergy between ceilometer and in situ measurements. Atmospheric Chemistry and Physics, 2019, 19, 7883-7896.	1.9	3
6	Seasonal analysis of the atmosphere during five years by using microwave radiometry over a mid-latitude site. Atmospheric Research, 2019, 218, 78-89.	1.8	16
7	Characterization of the atmospheric boundary layer in a narrow tropical valley using remoteâ€sensing and radiosonde observations and the WRF model: the AburrÃ¡ Valley caseâ€study. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2641-2665.	1.0	30
8	Meteorological conditions leading to the 2015ÂSalgar flash flood: lessons for vulnerable regions in tropical complex terrain. Natural Hazards and Earth System Sciences, 2019, 19, 2635-2665.	1.5	12
9	Hygroscopic growth study in the framework of EARLINET during the SLOPE I campaign: synergy of remote sensing and in situ instrumentation. Atmospheric Chemistry and Physics, 2018, 18, 7001-7017.	1.9	32
10	Variability of aerosols in the tropical Atlantic Ocean relative to African Easterly Waves and their relationship with atmospheric and oceanic environments. Journal of Geophysical Research, 2012, 117, .	3.3	10
11	Evolution and modulation of tropical heating from the last glacial maximum through the twenty-first century. Climate Dynamics, 2012, 38, 1501-1519.	1.7	30
12	Probabilistic discrimination between large-scale environments of intensifying and decaying African Easterly Waves. Climate Dynamics, 2011, 36, 1379-1401.	1.7	29
13	On the location and orientation of the South Pacific Convergence Zone. Climate Dynamics, 2011, 36, 561-578.	1.7	86
14	Changes in cloudiness over the Amazon rainforests during the last two decades: diagnostic and potential causes. Climate Dynamics, 2011, 37, 1151-1164.	1.7	32
15	Oceanâ€“atmosphere coupling and the boreal winter MJO. Climate Dynamics, 2010, 35, 771-784.	1.7	36
16	Beyond the spring barrier?. Nature Geoscience, 2010, 3, 152-153.	5.4	38
17	Spatial and Temporal Distribution of Latent Heating in the South Asian Monsoon Region. Journal of Climate, 2010, 23, 2010-2029.	1.2	28
18	Extended-Range Probabilistic Forecasts of Ganges and Brahmaputra Floods in Bangladesh. Bulletin of the American Meteorological Society, 2010, 91, 1493-1514.	1.7	97

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19	North Pacific Gyre Oscillation Synchronizes Climate Fluctuations in the Eastern and Western Boundary Systems*. Journal of Climate, 2009, 22, 5163-5174.	1.2	139
20	Application of a serial extended forecast experiment using the ECMWF model to interpret the predictive skill of tropical intraseasonal variability. Climate Dynamics, 2009, 32, 855-872.	1.7	17
21	Largeâ€scale controls on Ganges and Brahmaputra river discharge on intraseasonal and seasonal timeâ€scales. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 353-370.	1.0	69
22	Variability in tornado frequency associated with U.S. landfalling tropical cyclones. Geophysical Research Letters, 2009, 36, .	1.5	15
23	Sensitivity of MJO Simulation and Predictability to Sea Surface Temperature Variability. Journal of Climate, 2008, 21, 5304-5317.	1.2	38
24	The Role of Intraseasonal Variability in the Nature of Asian Monsoon Precipitation. Journal of Climate, 2007, 20, 4402-4424.	1.2	192
25	Linking Long-Term Water Balances and Statistical Scaling to Estimate River Flows along the Drainage Network of Colombia. Journal of Hydrologic Engineering - ASCE, 2007, 12, 4-13.	0.8	66
26	Deconvolution of the Factors Contributing to the Increase in Global Hurricane Intensity. Science, 2006, 312, 94-97.	6.0	310
27	Transition between Suppressed and Active Phases of Intraseasonal Oscillations in the Indo-Pacific Warm Pool. Journal of Climate, 2006, 19, 5519-5530.	1.2	27
28	Prediction of Monsoon Rainfall and River Discharge on 15â€“30-Day Time Scales. Bulletin of the American Meteorological Society, 2004, 85, 1745-1766.	1.7	164