Victor Homar Santaner

List of Publications by Year in descending order

59 papers	2,557 citations	201575 27 h-index	197736 49 g-index
73 all docs	73 docs citations	73 times ranked	2856 citing authors

#	Article	IF	Citations
1	The paradoxical increase of Mediterranean extreme daily rainfall in spite of decrease in total values. Geophysical Research Letters, 2002, 29, 31-1.	1.5	427
2	HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle. Bulletin of the American Meteorological Society, 2014, 95, 1063-1082.	1.7	288
3	Precipitation seasonality in eastern and southern coastal Spain. International Journal of Climatology, 2001, 21, 219-247.	1.5	127
4	A Statistical Adjustment of Regional Climate Model Outputs to Local Scales: Application to Platja de Palma, Spain. Journal of Climate, 2012, 25, 939-957.	1.2	106
5	Numerical diagnosis of a small, quasi-tropical cyclone over the western Mediterranean: Dynamical vs. boundary factors. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 1469-1490.	1.0	90
6	Projections of heat waves with high impact on human health in Europe. Global and Planetary Change, 2014, 119, 71-84.	1.6	88
7	Reviews and perspectives of high impact atmospheric processes in the Mediterranean. Atmospheric Research, 2018, 208, 4-44.	1.8	85
8	Scientific Challenges of Convective-Scale Numerical Weather Prediction. Bulletin of the American Meteorological Society, 2018, 99, 699-710.	1.7	82
9	An estimate of the effects of climate change on the rainfall of Mediterranean Spain by the late twenty first century. Climate Dynamics, 2003, 20, 789-805.	1.7	80
10	Mediterranean cyclones: current knowledge and open questions on dynamics, prediction, climatology and impacts. Weather and Climate Dynamics, 2022, 3, 173-208.	1.2	61
11	Recent trends in temperature and precipitation over the Balearic Islands (Spain). Climatic Change, 2010, 98, 199-211.	1.7	55
12	Towards a systematic climatology of sensitivities of Mediterranean high impact weather: a contribution based on intense cyclones. Natural Hazards and Earth System Sciences, 2007, 7, 445-454.	1.5	46
13	Numerical study of the October 2000 torrential precipitation event over eastern Spain: analysis of the synoptic-scale stationarity. Annales Geophysicae, 2002, 20, 2047-2066.	0.6	45
14	Diagnosis and numerical simulation of a torrential precipitation event in Catalonia (Spain). Meteorology and Atmospheric Physics, 1998, 69, 1-21.	0.9	44
15	Initiation of a severe thunderstorm over the Mediterranean Sea. Atmospheric Research, 2011, 100, 603-620.	1.8	43
16	Spatial heterogeneity in the effects of climate change on the population dynamics of a Mediterranean tortoise. Global Change Biology, 2011, 17, 3075-3088.	4.2	43
17	Potentialities of ensemble strategies for flood forecasting over the Milano urban area. Journal of Hydrology, 2016, 539, 237-253.	2.3	41
18	A deep cyclone of African origin over the Western Mediterranean: diagnosis and numerical simulation. Annales Geophysicae, 2002, 20, 93-106.	0.6	38

#	Article	IF	Citations
19	Role of orography in the spatial distribution of precipitation over the Spanish Mediterranean zone. Climate Research, 2003, 23, 247-261.	0.4	38
20	High-Dose Methylprednisolone in a Pregnant Woman with Crohnâ€™s Disease and Adrenal Suppression in Her Newborn. Neonatology, 2008, 94, 306-309.	0.9	37
21	Tropicalization process of the 7 November 2014 Mediterranean cyclone: Numerical sensitivity study. Atmospheric Research, 2017, 197, 300-312.	1.8	37
22	Tornadoes and waterspouts in the Balearic Islands: phenomena and environment characterization. Atmospheric Research, 2001, 56, 253-267.	1.8	36
23	A synoptic and mesoscale diagnosis of a tornado outbreak in the Balearic Islands. Atmospheric Research, 2001, 56, 31-55.	1.8	36
24	Tornadoes over complex terrain: an analysis of the 28th August 1999 tornadic event in eastern Spain. Atmospheric Research, 2003, 67-68, 301-317.	1.8	36
25	Sensitivities of a Flash Flood Event over Catalonia: A Numerical Analysis. Monthly Weather Review, 2007, 135, 651-669.	0.5	31
26	Present and future climate resources for various types of tourism in the Bay of Palma, Spain. Regional Environmental Change, 2014, 14, 1995-2006.	1.4	31
27	Losing water in temporary streams on a Mediterranean island: Effects of climate and land-cover changes. Global and Planetary Change, 2017, 148, 139-152.	1.6	29
28	Ensemble sensitivities of the real atmosphere: application to Mediterranean intense cyclones. Tellus, Series A: Dynamic Meteorology and Oceanography, 2009, 61, 394-406.	0.8	28
29	Sensitivities of an intense Mediterranean cyclone: Analysis and validation. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 2519-2540.	1.0	27
30	Potential of a probabilistic hydrometeorological forecasting approach for the 28 September 2012 extreme flash flood in Murcia, Spain. Atmospheric Research, 2015, 166, 10-23.	1.8	27
31	A Case of Convection Development over the Western Mediterranean Sea: A Study through Numerical Simulations. Meteorology and Atmospheric Physics, 1999, 71, 169-188.	0.9	26
32	Hydro-meteorological reconstruction and geomorphological impact assessment of the OctoberÂ2018 catastrophic flash flood at Sant LlorenÃ§, Mallorca (Spain). Natural Hazards and Earth System Sciences, 2019, 19, 2597-2617.	1.5	26
33	On the severe convective storm of 29 October 2013 in the Balearic Islands: observational and numerical study. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1208-1222.	1.0	24
34	Projections for the 21st century of the climate potential for beachâ€based tourism in the Mediterranean. International Journal of Climatology, 2014, 34, 3481-3498.	1.5	23
35	Value of Human-Generated Perturbations in Short-Range Ensemble Forecasts of Severe Weather. Weather and Forecasting, 2006, 21, 347-363.	0.5	21
36	The severe thunderstorm of 4 October 2007 in Mallorca: an observational study. Natural Hazards and Earth System Sciences, 2009, 9, 1237-1245.	1.5	20

#	Article	IF	Citations
37	Daily precipitation records over mainland Spain and the Balearic Islands. Natural Hazards and Earth System Sciences, 2013, 13, 2483-2491.	1.5	18
38	Introduction to the <scp>HyMeX S</scp>pecial Issue on â€˜Advances in understanding and forecasting of heavy precipitation in the Mediterranean through the <scp>HyMeX SOP1</scp> field campaignâ€™. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1-6.	1.0	18
39	Predictability of prototype flash flood events in the Western Mediterranean under uncertainties of the precursor upper-level disturbance: the HYDROPTIMET case studies. Natural Hazards and Earth System Sciences, 2005, 5, 505-525.	1.5	17
40	A Comparison of Ensemble Strategies for Flash Flood Forecasting: The 12 October 2007 Case Study in Valencia, Spain. Journal of Hydrometeorology, 2017, 18, 1143-1166.	0.7	17
41	Validation of the AROME, ALADIN and WRF Meteorological Models for Flood Forecasting in Morocco. Water (Switzerland), 2020, 12, 437.	1.2	15
42	Projections of the climate potential for tourism at local scales: application to Platja de Palma, Spain. International Journal of Climatology, 2012, 32, 2095-2107.	1.5	14
43	Extension of summer climatic conditions into spring in the Western Mediterranean area. International Journal of Climatology, 2017, 37, 1938-1950.	1.5	14
44	An optimized ensemble sensitivity climatology of Mediterranean intense cyclones. Natural Hazards and Earth System Sciences, 2010, 10, 2441-2450.	1.5	14
45	Impact of the lateral boundary conditions resolution on dynamical downscaling of precipitation in mediterranean spain. Climate Dynamics, 2007, 29, 487-499.	1.7	11
46	A new approach to sensitivity climatologies: the DTS-MEDEX-2009 campaign. Natural Hazards and Earth System Sciences, 2011, 11, 2381-2390.	1.5	11
47	The Sequence of Heavy Precipitation and Flash Flooding of 12 and 13 September 2019 in Eastern Spain. Part I: Mesoscale Diagnostic and Sensitivity Analysis of Precipitation. Journal of Hydrometeorology, 2021, 22, 1117-1138.	0.7	11
48	Potential of sequential EnKF for the short-range prediction of a maritime severe weather event. Atmospheric Research, 2016, 178-179, 426-444.	1.8	10
49	Ensemble prediction of Mediterranean high-impact events using potential vorticity perturbations. Part II: Adjoint-derived sensitivity zones. Atmospheric Research, 2011, 102, 311-319.	1.8	8
50	Predictable and Unpredictable Climate Variability Impacts on Optimal Renewable Energy Mixes: The Example of Spain. Energies, 2020, 13, 5132.	1.6	8
51	Are current sensitivity products suï¬ƒciently informative in targeting campaigns? A DTSâ€MEDEXâ€2009 case study. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 525-538.	1.0	7
52	PREGRIDBAL 1.0: towards a high-resolution rainfall atlas for the Balearic Islands (1950â€“2009). Natural Hazards and Earth System Sciences, 2017, 17, 1061-1074.	1.5	7
53	Potential of stochastic methods for improving convection-permitting ensemble forecasts of extreme events over the Western Mediterranean. Atmospheric Research, 2021, 257, 105571.	1.8	7
54	Verification of objective sensitivity climatologies of Mediterranean intense cyclones: test against human judgement. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1467-1481.	1.0	5

#	Article	IF	Citations
55	Tailored Ensemble Prediction Systems: Application of Seamless Scale Bred Vectors. Journal of the Meteorological Society of Japan, 2020, 98, 1029-1050.	0.7	5
56	On the drought in the Balearic Islands during the hydrological year 2015â€“2016. Natural Hazards and Earth System Sciences, 2017, 17, 2351-2364.	1.5	5
57	A non-hydrostatic global spectral dynamical core using a height-based vertical coordinate. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 20270.	0.8	3
58	Exploring the limits of ensemble forecasting via solutions of the Liouville equation for realistic geophysical models. Atmospheric Research, 2020, 246, 105127.	1.8	3
59	Subjective versus objective sensitivity estimates: application to a North African cyclogenesis. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 1064-1078.	0.8	2