

Artículos del personal de AEMET en revistas científicas - 2017

AUTOR	TÍTULO	PUBLICACIÓN
Azorin-Molina, C., Menendez, M., McVicar, T.R., Acevedo, A., Vicente-Serrano, S.M., Cuevas, E., Minola, L., Chen, D.	Wind speed variability over the Canary Islands, 1948-2014: focusing on trend differences at the land-ocean interface and below-above the trade-wind inversion layer	Climate Dynamics. 2017, p. 1-21 doi: 10.1007/s00382-017-3861-0
Cuevas, E., A.J. Gómez-Peláez, S. Rodríguez, E. Terradellas, S. Basart, R.D. García, O.E. García, S. Alonso-Pérez	The pulsating nature of large-scale Saharan dust transport as a result of interplays between mid-latitude Rossby waves and the North African Dipole Intensity	Atmospheric Environment. 2017, 167, p. 586-602 doi: 10.1016/j.atmosenv.2017.08.059
Mora García, Manuel Antonio; Riesco Martín, Jesús; Sánchez LLorente, José Miguel; Rivas Soriano, Luis; Pablo Dávila, Fernando de	Intense precipitation events in the Central Range of the Iberian Peninsula	Natural Hazards and Earth System Sciences. 2017, 17(12), p. 2289-2300 doi: 10.5194/nhess-17-2289-2017
Pablo Valenzuela, María José Domínguez-Cuesta, Manuel Antonio Mora García, Montserrat Jiménez-Sánchez	A spatio-temporal landslide inventory for the NW of Spain: BAPA database	Geomorphology. Volume 293, Part A, 15 September 2017, Pages 11-23 doi: 10.1016/j.geomorph.2017.05.010
Sergi Gonzalez, Joan Bech	Extreme point rainfall temporal scaling: a long term (1805-2014) regional and seasonal analysis in Spain	International Journal of Climatology, 37: 5068-5079. doi: 10.1002/joc.5144

<p>Sergio M. Vicente-Serrano, Miquel Tomas-Burguera, Santiago Beguería, Fergus Reig, Borja Latorre, Marina Peña-Gallardo, M. Yolanda Luna, Ana Morata and José C. González-Hidalgo</p>	<p>A high resolution dataset of drought indices for Spain</p>	<p>Data, 2(3), 22. doi:10.3390/data2030022</p>
<p>Casado-Rubio, J.L., M.A. Revuelta, M. Postigo, I. Martínez-Marco, and C. Yagüe</p>	<p>A postprocessing methodology for direct normal irradiance forecasting using cloud information and aerosol load forecasts</p>	<p>Journal of Applied Meteorology and Climatology, 56, 1595-1608. doi: 10.1175/JAMC-D-16-0297.1</p>
<p>Castillo, S., A. Alastuey, E. Cuevas, X. Querol, A. Avila</p>	<p>Quantifying dry and wet deposition fluxes in two regions of contrasting african influence: the NE Iberian Peninsula and the Canary Islands</p>	<p>Atmosphere, 8(5), 86. doi: 10.3390/atmos8050086</p>
<p>Tsuruta, A., Aalto, T., Backman, L., Hakkarainen, J., van der Laan-Luijkx, I. T., Krol, M. C., Spahni, R., Houweling, S., Laine, M., Dlugokencky, E., Gomez-Pelaez, A. J., van der Schoot, M., Langenfelds, R., Ellul, R., Arduini, J., Apadula, F., Gerbig, C., Feist, D. G., Kivi, R., Yoshida, Y., and Peters, W.</p>	<p>Global methane emission estimates for 2000-2012 from CarbonTracker Europe-CH4 v1.0</p>	<p>Geoscientific model development, 10(3), 1261-1289. doi: 10.5194/gmd-10-1261-2017</p>
<p>Barreto, África ; Román, Roberto; Cuevas Agulló, Emilio ; Berjón, Alberto; Almansa Rodríguez, Antonio F.; Toledano, Carlos; González, Ramiro; Hernández Pérez, Carmen Yballa; etc.</p>	<p>Assessment of nocturnal aerosol optical depth from lunar photometry at the Izaña high mountain observatory</p>	<p>Atmospheric Measurement Techniques. 10(8), p. 3007-3019 doi: 10.5194/amt-10-3007-2017</p>

<p>Vaquero Martínez, Javier; Antón, Manuel; Ortiz de Galisteo, José Pablo ; Cachorro, Victoria E.; João Costa, María; Román, Roberto; Bennouna, Yasmine</p>	<p>Validation of MODIS integrated water vapor product against reference GPS data at the Iberian Peninsula</p>	<p>International Journal of Applied Earth Observation and Geoinformation. 2017, 63, p. 214-221 doi: 10.1016/j.jag.2017.07.008</p>
<p>Yuan, Yen; Ries, Ludwig; Petermeier, Hannes; Steinbacher, Martin; Gómez Peláez, Ángel Jesús ; Leuenberger, Markus C.; Schumacher, Marcus; Trickl, Thomas; Couret, Cedric; Meinhardt, Frank; Menzel, Annette</p>	<p>Adaptive Baseline Finder, a statistical data selection strategy to identify atmospheric CO2 baseline levels and its application to European elevated mountain stations</p>	<p>Atmospheric Measurement Techniques Discussions. doi: 10.5194/amt-2017-316</p>
<p>Gómez Peláez, Ángel Jesús ; Ramos López, Ramón; Cuevas Agulló, Emilio ; Gómez-Trueba, Vanessa; Reyes, Enrique</p>	<p>Atmospheric CO2, CH4, and CO with CRDS technique at the Izaña Global GAW station: instrumental tests, developments and first measurement results</p>	<p>Atmospheric Measurement Techniques Discussions. 2017, p. 1-28 doi: 10.5194/amt-2017-375</p>
<p>Kochendorfer, John; Nitu, Rodica; Wolff, Mareile; Mekis, Eva; Rasmussen, Roy; Baker, Bruce; Earle, Michael E.; Reverdin, Audrey; Wong, Kai; Smith, Craig D.; Yang, Daqing; Roulet, Yves-Alain; Buisán, Samuel ; Laine, Timo; Lee, Gyuwon; Aceituno, José Luis C.; Alastrué, Javier; etc.</p>	<p>Analysis of single-Alter-shielded and unshielded measurements of mixed and solid precipitation from WMO-SPICE</p>	<p>Hydrology and Earth System Sciences. 2017, 21(7), p. 3525-3542 doi: 10.5194/hess-21-3525-2017</p>

<p>Fernández-Peruchena, Carlos M.; Gastón, Martín; Schroedter-Homscheidt, Marion; Kosmale, Miriam; Martínez Marco, Isabel; García-Moya, José Antonio; Casado Rubio, José Luis</p>	<p>Dynamic paths: towards high frequency direct normal irradiance forecasts</p>	<p>Energy. 2017, 132, p. 315-323 doi: 10.1016/j.energy.2017.05.101</p>
<p>Tapiador, Francisco J.; Navarro, A.; Moreno, R.; Jiménez Alcázar, A.; Marcos Martín, Cecilia; Tokay, A.; Durán, Luis; Bodoque, J. M.; Martín, R.; Petersen, W.; Castro, Manuel de</p>	<p>On the optimal measuring area for pointwise rainfall estimation: a dedicated experiment with 14 laser disdrometers</p>	<p>Journal of Hydrometeorology. 2017, 18(3), p. 753-760 doi: 10.1175/JHM-D-16-0127.1</p>
<p>Huang, Guanyu; (...); Cuevas Agulló, Emilio (...); Yela, Margarita</p>	<p>Validation of 10-year 1 SAO OMI ozone profile (PROFOZ) product using ozonesonde observations</p>	<p>Atmospheric Measurement Techniques. 2017, 10(7), p. 2455-2475 doi: 10.5194/amt-10-2455-2017</p>
<p>Carrió, D. S.; Homar, Víctor; Jansà Clar, Agustí; Romero, R.; Picornell, María Ángeles</p>	<p>Tropicalization process of the 7 November 2014 mediterranean cyclone: numerical sensitivity study</p>	<p>Atmospheric Research. 2017, 197, p. 300-312 doi: 10.1016/j.atmosres.2017.07.018</p>
<p>López Mayol, Toni; Homar, Víctor; Ramis, Clemente; Guijarro, José Antonio</p>	<p>PREGRIDBAL 1.0: towards a high-resolution rainfall atlas for the Balearic Islands (1950-2009)</p>	<p>Natural Hazards and Earth System Sciences. 2017, 17(7), p. 1061-1074 doi: 10.5194/nhess-17-1061-2017</p>

<p>Fernández-Peruchena, Carlos M.; Gastón, Martín; Schroedter-Homscheidt, Marion; Martínez Marco, Isabel; Casado Rubio, José Luis ; García-Moya, José Antonio</p>	<p>Increasing the temporal resolution of direct normal solar irradiance forecasted series</p>	<p>AIP Conference Proceedings. 2017, 1850, p. 140007-1-140007-8 doi: 10.1063/1.4984515</p>
<p>Cuevas Agulló, Emilio ; Gómez Peláez, Ángel Jesús ; Rodríguez González, Sergio ; Terradellas, Enric; Basart, Sara; García Cabrera, Rosa Delia ; García Rodríguez, Omaira Elena ; Alonso-Pérez, Silvia</p>	<p>The pulsating nature of large-scale Saharan dust transport as a result of interplays between mid-latitude Rossby waves and the North African Dipole Intensity</p>	<p>Atmospheric Environment. 2017, 167, p. 586-602 doi: 10.1016/j.atmosenv.2017.08.059</p>
<p>Valenzuela, Pablo; Domínguez Cuesta, María José; Mora García, Manuel Antonio; Jiménez Sánchez, Montserrat</p>	<p>A spatio-temporal landslide inventory for the NW of Spain: BAPA database</p>	<p>Geomorphology. 2017, 293(Part A), p. 11-23 doi: 10.1016/j.geomorph.2017.05.010</p>
<p>Lorente, Pablo; Sotillo, Marcos G.; Aouf, Lotfi; Amo-Baladrón, Arancha; Barrera Rodríguez, José Ernesto; Dalphinnet, Alice; Toledano Lozano, Cristina; Rainaud, Romain; Alfonso, Marta de; etc.</p>	<p>Extreme wave height events in NW Spain: a combined multi-sensor and model approach</p>	<p>Remote Sensing. 2018, 10(1), 1 doi: 10.3390/rs10010001</p>
<p>Mora García, Manuel Antonio; Riesco Martín, Jesús ; Sánchez LLorente, José Miguel; Rivas Soriano, Luis; Pablo Dávila, Fernando de</p>	<p>Intense precipitation events in the Central Range of the Iberian Peninsula</p>	<p>Natural Hazards and Earth System Sciences. 2017, 17(12), p. 2289-2300 doi: 10.5194/nhess-17-2289-2017</p>

<p>Schneider, Matthias; Borger, Christian; Wiegele, Andreas; Hase, Frank; García Rodríguez, Omaira Elena ; Sepúlveda Hernández, Eliezer; Werner, Martin</p>	<p>MUSICA MetOp/IASI (H₂O, δD) pair retrieval simulations for validating tropospheric moisture pathways in atmospheric models</p>	<p>Atmospheric Measurement Techniques. 2017, 10(2), p. 507-525 doi: 10.5194/amt-10-507-2017</p>
<p>García Cabrera, Rosa Delia ; Cuevas Agulló, Emilio ; García Rodríguez, Omaira Elena ; Ramos López, Ramón; Romero Campos, Pedro Miguel ; Ory Ajamil, Fernando de; Cachorro, Victoria E.; Frutos, Ángel M. de</p>	<p>Compatibility of different measurement techniques of global solar radiation and application for long-term observations at Izaña Observatory</p>	<p>Atmospheric Measurement Techniques. 2017, 10(3), p. 731-743 doi: 10.5194/amt-10-731-2017</p>
<p>García Álvarez, María Isabel; Van Drooge, Barend L.; Rodríguez González, Sergio ; Alastuey, Andrés</p>	<p>Speciation of organic aerosols in the Saharan Air Layer and in the free troposphere westerlies</p>	<p>Atmospheric Chemistry and Physics. 2017, 17(14), p. 8939-8958 doi: 10.5194/acp-17-8939-2017</p>
<p>Thorne, P. W.; Allan, R. J.; Ashcroft, L.; Brohan, P.; Guijarro, José; etc.</p>	<p>Toward an integrated set of surface meteorological observations for climate science and applications</p>	<p>Bulletin of the American Meteorological Society. 2017, 98(12), p. 2689-2706 doi: 10.1175/BAMS-D-16-0165.1</p>
<p>Carmona Alférez, Rocío; Linares Gil, Cristina; Ortiz Burgos, Cristina; Mirón Pérez, Isidro J.; Luna Rico, Yolanda ; Díaz Jiménez, Julio</p>	<p>Spatial variability in threshold temperatures of heat wave mortality: impact assessment on prevention plans</p>	<p>International Journal of Environmental Health Research. 2017, v. 27(6), p. 463-475 doi: 10.1080/09603123.2017.1379056</p>