

Artículos del personal de AEMET en revistas científicas - 2018

AUTOR	TÍTULO	PUBLICACIÓN
Sainz, Carlos; Rábago, Daniel; Celaya, Santiago; Fernández, Enrique; Quindós, Jorge; Quindós, Luis; Fernández, Alicia; Fuente Merino, Ismael; Arteché García, José Luis; Quindós, Luis Santiago	Continuous monitoring of radon gas as a tool to understand air dynamics in the cave of Altamira (Cantabria, Spain)	Science of the Total Environment. 2018, 624, p. 416-423 doi: 10.1016/j.scitotenv.2017.12.146
Vaquero Martínez, Javier; Antón, Manuel; Ortiz de Galisteo, José Pablo; Román, Roberto; Cachorro, Victoria E.	Water vapor radiative effects on short-wave radiation in Spain	Atmospheric Research. 2018, 205, p. 18-25 doi: 10.1016/j.atmosres.2018.02.001
Tapiador, Francisco J.; Navarro Arnés, Andrés; Marcos Martín, Cecilia; Moreno Galdón, Raul	Estimates of the change in the oceanic precipitation off the coast of Europe due to increasing greenhouse gas emissions	Remote Sensing. 2018, 10(8), 1198 doi: 10.3390/rs10081198
Tapiador, Francisco J.; Marcos Martín, Cecilia; Navarro Arnés, Andrés; Jiménez Alcázar, A.; Moreno Galdón, Raul; Sanz, Julia	Decorrelation of satellite precipitation estimates in space and time	Remote Sensing. 2018, 10(5), 752 doi: 10.3390/rs10050752

<p>Amblar, María Pilar; Pastor Saavedra, María Asunción; Casado Calle, María Jesús; Ramos Calzado, Petra; Rodríguez Camino, Ernesto</p>	<p>Strategy for generation of climate change projections feeding Spanish impact community</p>	<p>Advances in Science and Research. 2018, 15, p. 217-230 doi: 10.5194/asr-15-217-2018</p>
<p>Calbet, Xavier; Peinado Galan, Niobe; DeSouza-Machado; Kursinski, E. R.; Oria Iriarte, Peio; Wardle, D.; Otarola, Ángel; Rípodas Agudo, Pilar; Kivi, Rigel</p>	<p>Can turbulence within the field of view cause significant biases in radiative transfer modeling at the 183 GHz band?</p>	<p>Atmospheric Measurement Techniques. 2018, 11(12), p. 6409-6417 doi: 10.5194/amt-11-6409-2018</p>
<p>Tobías, Aurelio; Rivas, Ioar; Reche, C.; Alastuey, Andrés; Rodríguez González, Sergio; Fernández-Camacho, Rocío; Sánchez de la Campa, A. M.; Rosa, Jesús Damián de la; Sunyer, Jordi; Querol, Xavier</p>	<p>Short-term effects of ultrafine particles on daily mortality by primary vehicle exhaust versus secondary origin in three Spanish cities</p>	<p>Atmospheric Environment. 2018, 111, p. 144-151 doi: 10.1016/j.envint.2017.11.015</p>
<p>Vaquero Martínez, Javier; Antón, Manuel; Ortiz de Galisteo, José Pablo; Cachorro, Victoria E.; Álvarez-Zapatero, Pablo; Román, Roberto; Loyola, D.; João Costa, María; Wang, Huiqun; González Abad, Gonzalo; Noël, Stefan</p>	<p>Inter-comparison of integrated water vapor from satellite instruments using reference GPS data at the Iberian Peninsula</p>	<p>Remote Sensing of Environment. 2018, 204, p. 729-740 doi: 10.1016/j.rse.2017.09.028</p>

Pandolfi, Marco; Alados-Arboledas, Lucas; Alastuey, Andrés; Andrade, Marcos; Angelov, H.; Artíñano, Begoña; Backman, John; Baltensperger, Urs; Bonasoni, Paolo; Bukowiecki, Nicolas; Collaud Coen, Martine; Conil, Sebastian; Coz, Esther ... Rodríguez González, Sergio; Sciare, Jean; Sellegri, Karine; Swietlicki, Erik; Titos, Gloria; Tuch, Thomas; Tunved, Peter; Ulevicius, Vidmantas; Vaishya, Aditya; Vana, Milan; Virkkula, Aki; Vratolis, Stergios; Weingartner, Ernest; Wiedensohler, Alfred; Laj, Paolo

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Atmospheric Chemistry and Physics. 2018, 18(11), p. 7877-7911

doi: [10.5194/acp-18-7877-2018](https://doi.org/10.5194/acp-18-7877-2018)

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Atmospheric Chemistry and Physics. 2018, 18(16), p. 12289-12313

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<p>Vivoda, Jozef; Smolíková, Petra; Simarro, Juan Pablo</p>	<p>Finite elements used in the vertical discretization of the fully compressible core of the ALADIN system</p>	<p>Monthly Weather Review. 2018, 146, p. 3293-3310 doi: 10.1175/MWR-D-18-0043.1</p>
<p>Gómez Navarro, Juan José; Raible, Christoph C.; Bozhinova, Denica; Martius, Olivia; García Valero, Juan Andrés; Montávez, Juan Pedro</p>	<p>A new region-aware bias-correction method for simulated precipitation in areas of complex orography</p>	<p>Geoscientific Model Development. 2018, 11(6), p. 2231-2247 doi: 10.5194/gmd-11-2231-2018</p>
<p>Lakkala, Kaisa; Arola, A.; Gröbner, Julian; León-Luis, Sergio F.; Redondas, Alberto; Kazadzis, Stelios; Karppinen, Tomi; Karhu, Juha Matti; Egli, Luca; Heikkilä, Anu; Koskela, T.; Serrano, A.; Vilaplana, José Manuel</p>	<p>Performance of the FMI cosine error correction method for the Brewer spectral UV measurements</p>	<p>Atmospheric Measurement Techniques. 2018, 11(9), p. 5167-5180 doi: 10.5194/amt-11-5167-2018</p>
<p>Querol, Xavier; Alastuey, Andrés; Gangoiti, Gotzon; Pérez, Noemí; Lee, Hong K.; Eun, Heeram R.; Park, Yonghee; Mantilla, Enrique; Escudero, Miguel; Titos, Gloria; Alonso, Lucio; Temime-Roussel, Brice; Marchand, Nicolas; Moreta González, Juan Ramón; Revuelta, María Aránzazu ... etc.</p>	<p>Phenomenology of summer ozone episodes over the Madrid Metropolitan Area, central Spain</p>	<p>Atmospheric Chemistry and Physics. 2018, 18(9), p. 6511-6533 doi: 10.5194/acp-18-6511-2018</p>

<p>López-Solano, Javier; Redondas, Alberto; Carlund, Thomas; Rodríguez Franco, Juan José; Diémoz, Henri; León-Luis, Sergio F.; Hernández Cruz, Bentorey; Guirado-Fuentes, Carmen; Kouremeti, Natalia; Gröbner, Julian; Kazadzis, Stelios; Carreño Corbella, Virgilio; Berjón, Alberto; Santana-Díaz, Daniel; Rodríguez Valido, M.; Bock, Veerle De; Moreta González, Juan Ramón ... etc.</p>	<p>Aerosol optical depth in the European Brewer Network</p>	<p>Atmospheric Chemistry and Physics. 2018, 18(6), p. 3885–3902</p> <p>doi: 10.5194/acp-18-3885-2018</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; Meyers, Tilden; Buisán, Samuel; Isaksen, Ketil; Brækkan, Ragnar; Landolt, Scott; Jachcik, Al</p>	<p>Testing and development of transfer functions for weighing precipitation gauges in WMO-SPICE</p>	<p>Hydrology and Earth System Sciences. 2018, 22(2), p. 1437–1452</p> <p>doi: 10.5194/hess-22-1437-2018</p>
<p>Recio-Blitz, Cayetana; Navarro, Francisco J.; Otero, J.; Lapazaran, J. J.; Gonzalez, Sergi</p>	<p>Effects of recent cooling in the Antarctic Peninsula on snow density and surface mass balance</p>	<p>Polish Polar Research. 2018, 39(4), p. 457–480</p> <p>doi: 10.24425/118756</p>

<p>Domínguez Castro, Fernando; Vicente Serrano, Sergio Martín; Tomas Burguera, Miquel; Peña Gallardo, Marina; Begueria, Santiago; El-Kenawy, Ahmed; Luna Rico, Yolanda; Morata Gasca, Ana</p>	<p>High-spatial resolution probability maps of drought duration and magnitude across Spain</p>	<p>Natural Hazards and Earth System Sciences Discussions. 2018</p> <p>doi: 10.5194/nhess-2018-289</p>
<p>Cuevas Agulló, Emilio; Romero Campos, Pedro Miguel; Kouremeti, Natalia; Kazadzis, Stelios; García Cabrera, Rosa Delia; Barreto, África ; Guirado-Fuentes, Carmen; Ramos López, Ramón; Toledano, Carlos; Almansa Rodríguez, Antonio F.; Gröbner, Julian</p>	<p>Aerosol Optical Depth comparison between GAW-PFR and AERONET-Cimel radiometers from long term (2005-2015) 1-minute synchronous measurements</p>	<p>Atmospheric Measurement Techniques Discussions. 2018.</p> <p>doi: 10.5194/amt-2018-438</p>
<p>Azorín Molina, César; Guijarro, José Antonio; McVicar, Tim R.; Trewin, Blair C.; Frost, Andrew J.; Chen, Deliang</p>	<p>An approach to homogenize daily peak wind gusts: an application to the Australian series</p>	<p>International Journal of Climatology. 2018, p. 1-18</p> <p>doi: 10.1002/joc.5949</p>
<p>Quitíán-Hernández, L.; Fernández-González, S.; González-Alemán, J.J.; Valero, F.; Martín, M.L.</p>	<p>Analysis of sensitivity to different parameterization schemes for a subtropical cyclone</p>	<p>Atmospheric Research. 2018, 204, p. 21-36</p> <p>doi: 10.1016/j.atmosres.2018.01.001</p>

<p>Bolgiani, Pedro; Fernández-González, Sergio; Valero Rodríguez, Francisco; Merino Suances, Andrés; García Ortega, Eduardo; Sánchez Gómez, José Luis; Martín Pérez, María Luisa</p>	<p>Numerical simulation of a heavy precipitation event in the vicinity of Madrid-Barajas international airport: sensitivity to initial conditions, domain resolution, and microphysics parameterizations</p>	<p>Atmosphere. 2018, 9(9), 329 doi: 10.3390/atmos9090329</p>
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<p>García Cabrera, Rosa Delia; Cuevas Agulló, Emilio; Ramos López, Ramón; Cachorro, Victoria E.; Redondas, Alberto; Moreno Ruiz, José A.</p>	<p>Description of the Baseline Surface Radiation Network (BSRN) station at the Izaña Observatory (2009-2017): measurements and quality control/assurance procedures</p>	<p>Geoscientific Instrumentation, Methods and Data Systems Discussions. 2018 doi: 10.5194/gi-2018-41</p>
<p>Toledano, Carlos; González, Ramiro; Fuertes, David; Cuevas Agulló, Emilio; Eck, Thomas F.; Kazadzis, Stelios; Kouremeti, Natalia; Gröbner, Julian; Goloub, Philippe; Blarel, Luc; Román, Roberto; Barreto, África; Berjón, Alberto; Holben, Brent N.; Cachorro, Victoria E.</p>	<p>Assessment of Sun photometer Langley calibration at the high-elevation sites Mauna Loa and Izaña</p>	<p>Atmospheric Chemistry and Physics. 2018, 18(19), p. 14555-14567 doi: 10.5194/acp-18-14555-2018</p>

<p>Gonzalez, Sergi; Fortuny, Didac</p>	<p>How robust are the temperature trends on the Antarctic Peninsula?</p>	<p>Antarctic Science. 2018, 30(5), p. 322-328 doi: 10.1017/S0954102018000251</p>
<p>Gonzalez, Sergi; Callado, Alfons; Werner, Ernest; Escribá, Pau; Bech, Joan</p>	<p>Coastally trapped disturbances caused by the tramontane wind on the northwestern Mediterranean: numerical study and sensitivity to short-wave radiation</p>	<p>Quarterly Journal of the Royal Meteorological Society. 2018, 144(714), p. 1321-1336 doi: 10.1002/qj.3320</p>
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<p>Borger, Christian; Schneider, Matthias; Ertl, Benjamin; Hase, Frank; García Rodríguez, Omaira Elena; Sommer, Michael; Höpfner, M.; Tjemkes, Stephen A.; Calbet, Xavier</p>	<p>Evaluation of MUSICA IASI tropospheric water vapour profiles using theoretical error assessments and comparisons to GRUAN Vaisala RS92 measurements</p>	<p>Atmospheric Measurement Techniques. 2018, 11(9), p. 4981-5006 doi: 10.5194/amt-11-4981-2018</p>

<p>O'Dell, Christopher; Eldering, Annmarie; Wennberg, Paul O.; Crisp, David; Gunson, Michael R.; Fisher, Brendan; Frankenberg, Christian; Kiel, Matthaeus ... Payne, Vivienne H.; Taylor, Thomas E.; Wunch, Debra ... García Rodríguez, Omaira Elena ... etc.</p>	<p>Improved Retrievals of Carbon Dioxide from the Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm</p>	<p>Atmospheric Measurement Techniques. 2018, 11(12), p. 6539-6576 doi: 10.5194/amt-11-6539-2018</p>
<p>García Rodríguez, Omaira Elena; Schneider, Matthias; Ertl, Benjamin; Sepúlveda Hernández, Eliezer; Borger, Christian; Diekmann, Christopher; Wiegele, Andreas; Hase, Frank; Barthlott, Sabine; Blumenstock, Thomas; Raffalski, U.; Gómez Peláez, Ángel Jesús; Steinbacher, Martin; Ries, Ludwig; Frutos, Ángel M. de</p>	<p>The MUSICA IASI CH4 and N2O products and their comparison to HIPPO, GAW and NDACC FTIR references</p>	<p>Atmospheric Measurement Techniques. 2018, 11(7), p. 4171-4215 doi: 10.5194/amt-11-4171-2018</p>
<p>Rimmer, John; Redondas, Alberto; Karpinen, Tomi</p>	<p>EuBrewNet - A European Brewer network (COST Action ES1207), an overview</p>	<p>Atmospheric Chemistry and Physics. 2018, 18(14), p. 10347-10353 doi: 10.5194/acp-18-10347-2018</p>
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<p>Redondas, Alberto ; Nevas, Saulius; Berjón, Alberto; Sildoja, Meelis-Mait; León-Luis, Sergio F.; Carreño Corbella, Virgilio; Santana-Díaz, D.</p>	<p>Wavelength calibration of Brewer spectrophotometer using a tunable pulsed laser and implications to the Brewer ozone retrieval</p>	<p>Atmospheric Measurement Techniques. 2018, 11(6), p. 3759-3768</p> <p>doi: 10.5194/amt-11-3759-2018</p>
<p>Cattani, Elsa; Merino Suances, Andrés; Guijarro, José Antonio; Levizzani, Vincenzo</p>	<p>East Africa rainfall trends and variability 1983-2015 using three long-term satellite products</p>	<p>Remote Sensing. 2018, 10(6), 931</p> <p>doi: 10.3390/rs10060931</p>

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<p>Driemel, Amelie; Augustine, John; Behrens, Klaus; Colle, Sergio; Cox, Christopher; Cuevas Agulló, Emilio... et al.</p>	<p>Baseline Surface Radiation Network (BSRN): structure and data description (1992-2017)</p>	<p>Earth System Science Data. 2018, 10(3), p. 1491-1501 doi: 10.5194/essd-10-1491-2018</p>
<p>Borsdorff, Tobias; Aan de Brugh, Joost; Hu, Haili; Hasekamp, Otto; Sussmann, Ralf ... Schneider, Matthias ; García Rodríguez, Omaira Elena ... et al.</p>	<p>Mapping carbon monoxide pollution from space down to city scales</p>	<p>Atmospheric Measurement Techniques. 2018, 11(10), p. 5507-5518 doi: 10.5194/amt-11-5507-2018</p>
<p>Gaudel, A.; Cooper, O. R.; Ancellet, G.; Barret, B.; Boynard, A.; Burrows, J. P.; Clerbaux, C.; Coheur, P.-F.; Cuesta, J.; Cuevas Agulló, Emilio ; Doniki, S.; Dufour, G.; Ebojie, F.; Foret, G.; García Rodríguez, Omaira Elena... et al.</p>	<p>Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation</p>	<p>Elementa: Science of the Anthropocene. 2018, 6:39, p. 1-58 doi: 10.1525/elementa.291</p>
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<p>Azorín Molina, César; Rehman, Shafiqur; Guijarro, José Antonio; McVicar, Tim R.; Minola, Lorenzo; Chen, Deliang; Vicente Serrano, Sergio Martín</p>	<p>Recent trends in wind speed across Saudi Arabia, 1978-2013: a break in the stilling</p>	<p>International Journal of Climatology. 2018, 38(S1), p. e966-e984 doi: 10.1002/joc.5423</p>
<p>Vigouroux, Corinne; Bauer, Carlos Augusto; Bauwens, Maité; Becker, Cornelis; Blumenstock, Thomas; Mazière, Martine de; García Rodríguez, Omaira Elena ... et al.</p>	<p>NDACC harmonized formaldehyde time-series from 21 FTIR stations covering a wide range of column abundances</p>	<p>Atmospheric Measurement Techniques. 2018, 11(9), p. 5049-5073 doi: 10.5194/amt-11-5049-2018</p>
<p>Che, Huizheng; Qi, Bing; Zhao, Hujia; Xia, Xiangao; Eck, Thomas F.; Goloub, Philippe; Dubovik, Oleg; Estelles, Victor; Cuevas Agulló, Emilio ... etc.</p>	<p>Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China</p>	<p>Atmospheric Chemistry and Physics. 2018, 18(1), p. 405-425 doi: 10.5194/acp-18-405-2018</p>

<p>Valenzuela, Pablo; Iglesias, Miguel; Domínguez Cuesta, María José; Mora García, Manuel Antonio</p>	<p>Meteorological patterns linked to landslide triggering in Asturias (NW Spain): a preliminary analysis</p>	<p>Geosciences. 2018, 8(1), 18 doi: 10.3390/geosciences8010018</p>
<p>David Prieto Sisniega, Manuel Mora García, Susana Fernández Menéndez, Luís Rivas Soriano, Fernando de Pablo Dávila</p>	<p>Evidence for the influence of land uses and soil types on cloud-to-ground lightning activity in Asturias (Spain)</p>	<p>Atmospheric Research. 2018, 203, p. 62-67 doi: 10.1016/j.atmosres.2017.11.025</p>
<p>Pablo Valenzuela, María José Domínguez-Cuesta, Manuel Antonio Mora García, Montserrat Jiménez-Sánchez</p>	<p>Rainfall thresholds for the triggering of landslides considering previous soil moisture conditions (Asturias, NW Spain)</p>	<p>Landslides 2018, 15, p. 273-282 doi: 10.1007/s10346-017-0878-8</p>
<p>Michael C. Johnston, Mark P. Guishard, Irene Peñate and Ian D. Currie</p>	<p>Flooding threshold rainfall events in Bermuda</p>	<p>Weather. 2018, 73(9), p. 290-294 doi: 10.1002/wea.3096</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 selection of diurnal minimum variation: a statistical strategy to obtain representative atmospheric CO2 data and its application to European elevated mountain stations</p>	<p>Atmospheric Measurement Techniques. 2018, 11(3), p. 1501-1514 doi: 10.5194/amt-11-1501-2018</p>

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