

## Artículos del personal de AEMET en revistas científicas - 2020

| AUTOR                                                                                                                                                                          | TÍTULO                                                                                                                                                            | PUBLICACIÓN                                                                                                                                            |
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| Almela, Pablo; González Herrero, Sergi                                                                                                                                         | <a href="#">Are Antarctic Specially Protected Areas safe from plastic pollution? a survey of plastic litter at Byers Peninsula, Livingston Island, Antarctica</a> | Advances in Polar Science. 2020, 31(4), p. 284-290<br>doi: <a href="https://doi.org/10.13679/j.advps.2020.0029">10.13679/j.advps.2020.0029</a>         |
| Vegas Cañas, Cristina; González Rouco, J. Fidel; Navarro, Jorge; García Bustamante, Elena ... Rodríguez Camino, Ernesto; Chazarra, Andrés ... etc.                             | <a href="#">An assessment of observed and simulated temperature variability in Sierra de Guadarrama</a>                                                           | Atmosphere. 2020, 11(9), 985<br>doi: <a href="https://doi.org/10.3390/atmos11090985">10.3390/atmos11090985</a>                                         |
| Díaz Fernández, Javier; Quitián Hernández, Lara; Bolgiani, Pedro; Santos Muñoz, Daniel; García Gago, Ángel; Fernández-González, Sergio ... etc.                                | <a href="#">Mountain waves analysis in the vicinity of the Madrid-Barajas Airport using the WRF model</a>                                                         | Advances in Meteorology. 2020, p. 1-17<br>doi: <a href="https://doi.org/10.1155/2020/8871546">10.1155/2020/8871546</a>                                 |
| Lakkala, Kaisa ... García Cabrera, Rosa Delia; Gröbner, Julian ... León-Luis, Sergio F. ; Lindfors, Anders V.; Metzger, Jean-Marc; Minvielle, Fanny ... Redondas, Alberto etc. | <a href="#">Validation of the TROPospheric Monitoring Instrument (TROPOMI) surface UV radiation product</a>                                                       | Atmospheric Measurement Techniques. 2020, 13(12), p. 6999-7024<br>doi: <a href="https://doi.org/10.5194/amt-13-6999-2020">10.5194/amt-13-6999-2020</a> |

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| <p>García Rodríguez, Omaira Elena; Schneider, Matthias; Ertl, Benjamin; Sepúlveda Hernández, Eliezer; Borger, Christian ... Cansado, Alberto; Aullé, M.</p> | <p><a href="#">Monitorización de las concentraciones atmosféricas de metano y óxido nitroso a partir del Metop/IASI</a></p>                                                            | <p>Revista de Teledetección. 2020, 57, p. 1-11<br/>doi: <a href="https://doi.org/10.4995/raet.2020.13290">10.4995/raet.2020.13290</a></p>                                |
| <p>González Herrero, Sergi</p>                                                                                                                              | <p><a href="#">The weather of the Blue Marble</a></p>                                                                                                                                  | <p>Weather. 2020, 75(11), p. 366-367<br/>doi: <a href="https://doi.org/10.1002/wea.3831">10.1002/wea.3831</a></p>                                                        |
| <p>García-Benadi, Albert; Bech, Joan; González Herrero, Sergi; Udina, Mireia; Codina, B.; Georgis, Jean-François</p>                                        | <p><a href="#">Precipitation type classification of micro rain radar data using an improved doppler spectral processing methodology</a></p>                                            | <p>Remote Sensing. 2020, 12(24), 4113<br/>doi: <a href="https://doi.org/10.3390/rs12244113">10.3390/rs12244113</a></p>                                                   |
| <p>Smith, Craig D.; Ross, Amber; Kochendorfer, John; Earle, Michael E.; Wolff, Mareile; Buisán, Samuel ... etc.</p>                                         | <p><a href="#">Evaluation of the WMO Solid Precipitation Intercomparison Experiment (SPICE) transfer functions for adjusting the wind bias in solid precipitation measurements</a></p> | <p>Hydrology and Earth System Sciences. 2020, 24(8), p. 4025-4043<br/>doi: <a href="https://doi.org/10.5194/hess-24-4025-2020">10.5194/hess-24-4025-2020</a></p>         |
| <p>Rodríguez, Oriol; Bech, Joan; Soriano Romero, Juan de Dios; Gutiérrez Rubio, Delia; Castan, Salvador</p>                                                 | <p><a href="#">A methodology to conduct wind damage field surveys for high-impact weather events of convective origin</a></p>                                                          | <p>Natural Hazards and Earth System Sciences. 2020, 20(5), p. 1513-1531<br/>doi: <a href="https://doi.org/10.5194/nhess-20-1513-2020">10.5194/nhess-20-1513-2020</a></p> |
| <p>Ramonet, M.; Ciais, P.; Apadula, F. ... Cuevas, E. etc.</p>                                                                                              | <p>The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO2 measurements</p>                                                                               | <p>Philosophical Transactions of the Royal Society B. 2020, 375(1810)<br/>doi: <a href="https://doi.org/10.1098/rstb.2019.0513">10.1098/rstb.2019.0513</a></p>           |

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| <p>Román, Roberto; González, Ramiro; Toledano, Carlos; Barreto, África; Pérez Ramírez, D.; Benavent Oltra, J.A.; Olmo Reyes, Francisco José; Cachorro, Victoria E.; Alados-Arboledas, Lucas; Frutos, Ángel M. de</p>                                                                                                                                                               | <p><a href="#">Correction of a lunar-irradiance model for aerosol optical depth retrieval and comparison with a star photometer</a></p>                              | <p>Atmospheric Measurement Techniques. 2020, 13(11), p. 6293-6310<br/><br/>doi: <a href="https://doi.org/10.5194/amt-13-6293-2020">10.5194/amt-13-6293-2020</a></p>            |
| <p>Smith, Robert Kennedy; Guijarro, José Antonio; Chang, Der-Chen</p>                                                                                                                                                                                                                                                                                                              | <p><a href="#">Utilizing homogenized observation records and reconstructed time series data to estimate recent trends in Mid-Atlantic soil moisture scarcity</a></p> | <p>Theoretical and Applied Climatology. 2020<br/><br/>doi: <a href="https://doi.org/10.1007/s00704-020-03467-y">10.1007/s00704-020-03467-y</a></p>                             |
| <p>González, Ramiro; Toledano, Carlos; Román, Roberto; Fuertes, David; Berjón, Alberto; Mateos, David; Guirado-Fuentes, Carmen ... etc.</p>                                                                                                                                                                                                                                        | <p><a href="#">Daytime and nighttime aerosol optical depth implementation in CÆLIS</a></p>                                                                           | <p>Geoscientific Instrumentation, Methods and Data Systems. 2020, 9(2), p. 417-433<br/><br/>doi: <a href="https://doi.org/10.5194/gi-9-417-2020">10.5194/gi-9-417-2020</a></p> |
| <p>Dogniaux, Matthieu; Crevoisier, Cyril; Armante, Raymond; Capelle, Virginie; Delahaye, Thibault; Cassé, Vincent; Mazière, Martine de; Deutscher, Nicholas Michael; Feist, Dietrich G.; García Rodríguez, Omaira Elena; Griffith, David W. T.; Hase, Frank; Iraci, Laura; Kivi, Rigel; Morino, Isamu; Notholt, Justus; Pollard, David; Roehl, Coleen M.; Shiomi, Kei ... etc.</p> | <p><a href="#">The Adaptable 4A Inversion (5AI): Description and first XCO<sub>2</sub> retrievals from OCO-2 observations [Discussion paper]</a></p>                 | <p>Atmospheric Measurement Techniques Discussions. 2020<br/><br/>doi: <a href="https://doi.org/10.5194/amt-2020-403">10.5194/amt-2020-403</a></p>                              |

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| <p>Skrynyka, Oleg; Aguilar, Enric;<br/>         Guijarro, José Antonio;<br/>         Randriamarolaza, Luc Yannick Andrés;<br/>         Bubín, Sergiy</p>                                                                         | <p><a href="#">Uncertainty evaluation of Climatol's adjustment algorithm applied to daily air temperature time series</a></p>                                          | <p>International Journal of Climatology. 2020<br/>         doi: <a href="https://doi.org/10.1002/joc.6854">10.1002/joc.6854</a></p>                                    |
| <p>González Herrero, Sergi; Callado, Alfons; Martínez Sánchez, Mauricia; Elvira Montejo, Benito</p>                                                                                                                              | <p><a href="#">The AEMET-γSREPS over the Antarctic Peninsula and the impact of kilometeric-resolution EPS on logistic activities on the continent</a></p>              | <p>Advances in Science and Research. 2020, 17, p. 209-217<br/>         doi: <a href="https://doi.org/10.5194/asr-17-209-2020">10.5194/asr-17-209-2020</a></p>          |
| <p>Amblar, María Pilar; Ramos Calzado, Petra; Sanchis Lladó, Jorge; Hernanz Lázaro, Alfonso; Peral-García, María C.; Navascués, Beatriz; Domínguez Alonso, Marta; Pastor Saavedra, María Asunción; Rodríguez Camino, Ernesto</p> | <p><a href="#">High resolution climate change projections for the Pyrenees region</a></p>                                                                              | <p>Advances in Science and Research. 2020, 17, p. 191-208<br/>         doi: <a href="https://doi.org/10.5194/asr-17-191-2020">10.5194/asr-17-191-2020</a></p>          |
| <p>Barreto, África; García Rodríguez, Omaira Elena; Schneider, Matthias; García Cabrera, Rosa Delia; Hase, Frank; Sepúlveda Hernández, Eliezer; Almansa Rodríguez, Antonio F.; Cuevas Agulló, Emilio; Blumenstock, Thomas</p>    | <p><a href="#">Spectral Aerosol Optical Depth retrievals by ground-based Fourier Transform Infrared spectrometry</a></p>                                               | <p>Remote Sensing. 2020, 12(19), 3148<br/>         doi: <a href="https://doi.org/10.3390/rs12193148">10.3390/rs12193148</a></p>                                        |
| <p>Laj, Paolo; Bigi, Alessandro; Rose, Clémence ... Prats Porta, Natalia ... etc.</p>                                                                                                                                            | <p><a href="#">A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories</a></p> | <p>Atmospheric Measurement Techniques. 2020, 13(8), p. 4353-4392<br/>         doi: <a href="https://doi.org/10.5194/amt-13-4353-2020">10.5194/amt-13-4353-2020</a></p> |

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| <p>Collaud Coen, M.; Andrews, E.; Alastuey, A.; Petkov Arsov, T.; Backman, J.; Brem, Benjamin T.; Bukowiecki, N.; Couret, C.c; Eleftheriadis, K.; Flentje, H.; Fiebig, M.; Gysel, M.; Hand, Jenny L.; Hoffer, A.; Hooda, R.; Hueglin, C.; Joubert, W.; Keywood, M.; Kim, J. E.; Kim, Sang-Woo; Labuschagne, C.; Lin, Neng-Huei; Lin, Yong; Myhre, C. L.; Luoma, K.; Lyamani, H.; Marinoni, A.; Mayol-Bracero, O. L.; Mihalopoulos, N.; Pandolfi, M.; Prats Porta, N. ... etc.</p> | <p><a href="#">Multidecadal trend analysis of in situ aerosol radiative properties around the world</a></p>                          | <p>Atmospheric Chemistry and Physics. 2020, 20, p. 8867-8908.<br/>doi: <a href="https://doi.org/10.5194/acp-20-8867-2020">10.5194/acp-20-8867-2020</a></p>    |
| <p>Bolgiani, Pedro; Santos Muñoz, Daniel; Fernández-González, Sergio; Sastre, Mariano; Valero, Francisco; Martín, María Luisa</p>                                                                                                                                                                                                                                                                                                                                                 | <p><a href="#">Microburst detection with the WRF model: effective resolution and forecasting indices</a></p>                         | <p>Journal of Geophysical Research: Atmospheres. 2020, 125(14), p. 1-13<br/>doi: <a href="https://doi.org/10.1029/2020JD032883">10.1029/2020JD032883</a></p>  |
| <p>Madonna, Fabio; Kivi, Rigel; Dupont, Jean-Charles; Ingleby, Bruce; Fujiwara, Masatomo; Romanens, Gonzague; Hernández Martínez de la Peña, Miguel; Calbet, Xavier; Rosoldi, Marco; Giunta, Aldo; Karppinen, Tomi; Iwabuchi, Masami; Hoshino, Shunsuke; Rohden, C. v.; Thorne, P. W.</p>                                                                                                                                                                                         | <p><a href="#">Use of automatic radiosonde launchers to measure temperature and humidity profiles from the GRUAN perspective</a></p> | <p>Atmospheric Measurement Techniques. 2020, 13(7), p. 3621-3649<br/>doi: <a href="https://doi.org/10.5194/amt-13-3621-2020">10.5194/amt-13-3621-2020</a></p> |

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| <p>Vicente Serrano, Sergio Martín; Domínguez Castro, Fernando; Murphy, C.; Hannaford, J.; Reig, Fergus; Peña-Angulo, D.; Tramblay, Yves; Trigo, R. M.; MacDonald, N.; Luna Rico, Yolanda; McCarthy, M.; Van der Schrier, G.; Turco, Marco; Camuffo, D.; Noguera, I.; García-Herrera, Ricardo; Becherini, F.; della Valle, A.; Tomas Burguera, Miquel; El-Kenawy, Ahmed</p> | <p><a href="#">Long-term variability and trends in meteorological droughts in Western Europe (1851-2018)</a></p>                 | <p>International Journal of Climatology. 2020<br/>doi: <a href="https://doi.org/10.1002/joc.6719">10.1002/joc.6719</a></p>                             |
| <p>Meseguer, Óliver; Cortesi, Nicola; Guijarro, José Antonio; Sarricolea, Pablo</p>                                                                                                                                                                                                                                                                                        | <p><a href="#">Weather regimes linked to daily precipitation anomalies in Northern Chile</a></p>                                 | <p>Atmospheric Research. 2020, 236, p. 104802<br/>doi: <a href="https://doi.org/10.1016/j.atmosres.2019.104802">10.1016/j.atmosres.2019.104802</a></p> |
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| <p>Peña-Angulo, D.; Vicente Serrano, Sergio Martín; Domínguez Castro, Fernando; Murphy, C.; Reig, Fergus; Tramblay, Yves; Trigo, R. M.; Luna Rico, Yolanda; Turco, Marco; Noguera, I.; Aznárez-Balta, M.; García-Herrera, Ricardo; Tomas Burguera, Miquel; El-Kenawy, Ahmed</p> | <p><a href="#">Long-term precipitation in Southwestern Europe reveals no clear trend attributable to anthropogenic forcing</a></p> | <p>Environmental Research Letters. 2020, p. 1-23<br/>doi: <a href="https://doi.org/10.1088/1748-9326/ab9c4f">10.1088/1748-9326/ab9c4f</a></p>               |
| <p>Cooper, O. R.; Schultz, M.; Schröder, Marc; Chang, Kai-Lan; Gaudel, A.; Carbajal Benítez, Gerardo; Cuevas Agulló, Emilio; Fröhlich, M.; Galbally, I. E.; Molloy, Suzie; Kubistin, Dagmar; Lu, Xiao; McClure-Begley, A. ... etc.</p>                                          | <p><a href="#">Multi-decadal surface ozone trends at globally distributed remote locations</a></p>                                 | <p>Elementa: Science of the Anthropocene. 2020, 8:23, p. 1-34<br/>doi: <a href="https://doi.org/10.1525/elementa.420">10.1525/elementa.420</a></p>          |
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| <p>Quitíán Hernández, Lara; González-Alemán, Juan J.; Santos Muñoz, Daniel; Fernández-González, Sergio; Valero Rodríguez, Francisco; Martín Pérez, María Luisa</p>                                                                                                              | <p><a href="#">Subtropical cyclone formation via warm seclusion development: the importance of surface fluxes</a></p>              | <p>Journal of Geophysical Research: Atmospheres. 2020, 125(8), p. 1-17<br/>doi: <a href="https://doi.org/10.1029/2019JD031526">10.1029/2019JD031526</a></p> |

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| <p>Prados-Román, Cristina; Fernández, Miguel; Gómez, Laura; Cuevas Agulló, Emilio; Gil-Ojeda, Manuel; Maruszczak, Nicolas; Puentedura, Olga; Sonke, Jeroen E.; Saiz-Lopez, Alfonso</p>                                                             | <p><a href="#">Atmospheric formaldehyde at El Teide and Pic du Midi remote high-altitude sites</a></p>                                                     | <p>Atmospheric Environment. 2020, 234, 117618<br/>doi: <a href="https://doi.org/10.1016/j.atmosenv.2020.117618">10.1016/j.atmosenv.2020.117618</a></p>        |
| <p>Pablo Dávila, Fernando de; Rivas Soriano, Luis; Mora García, Manuel Antonio; González Zamora, A.</p>                                                                                                                                            | <p><a href="#">Characterisation of snowfall events in the northern Iberian Peninsula and the synoptic classification of heavy episodes (1988-2018)</a></p> | <p>International Journal of Climatology. 2020<br/>doi: <a href="https://doi.org/10.1002/joc.6646">10.1002/joc.6646</a></p>                                    |
| <p>García Cabrera, Rosa Delia; Cuevas Agulló, Emilio; Barreto, África; Cachorro, Victoria E.; Pó, Mario; Ramos López, Ramón; Hoogendijk, Kees</p>                                                                                                  | <p><a href="#">Aerosol retrievals from the EKO MS-711 spectral direct irradiance measurements and corrections of the circumsolar radiation</a></p>         | <p>Atmospheric Measurement Techniques. 2020, 13(5), p. 2601-2621<br/>doi: <a href="https://doi.org/10.5194/amt-13-2601-2020">10.5194/amt-13-2601-2020</a></p> |
| <p>Belušić, Danijel; Vries, Hylke de; Dobler, Andreas; Landgren, Oskar; Lind, Petter; Lindstedt, David; Pedersen, Rasmus A.; Sánchez Perrino, Juan Carlos ... Rodríguez Camino, Ernesto; Samuelsson, Patrick; Meijgaard, Erik van; Wu, Minchao</p> | <p><a href="#">HCLIM38: a flexible regional climate model applicable for different climate zones from coarse to convection-permitting scales</a></p>       | <p>Geoscientific Model Development. 2020, 13(3), p. 1311-1333<br/>doi: <a href="https://doi.org/10.5194/gmd-13-1311-2020">10.5194/gmd-13-1311-2020</a></p>    |



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| <p>Almansa Rodríguez, Antonio F.; Cuevas Agulló, Emilio; Barreto, África; Torres, Benjamín; García Rodríguez, Omaira Elena; García Cabrera, Rosa Delia ; Velasco Merino, Cristian; Cachorro, Victoria E.; Berjón, Alberto; Mallorquín, Manuel; López, César; Ramos López, Ramón; Guirado-Fuentes, Carmen; Negrillo, Ramón; Frutos, Ángel M. de</p> | <p><a href="#">Column integrated water vapor and aerosol load characterization with the new ZEN-R52 radiometer</a></p>                  | <p>Remote Sensing. 2020, 12(9), 1424<br/>doi: <a href="https://doi.org/10.3390/rs12091424">10.3390/rs12091424</a></p>                               |
| <p>Udina, Mireia; Bech, Joan; González Herrero, Sergi; Soler, M. R.; Paci, Alexandre; Miró, Josep Ramón; Trapero, L.; Donier, Jean Marie; Douffet, Thierry; Codina, B.; Pineda, Nicolau</p>                                                                                                                                                        | <p><a href="#">Multi-sensor observations of an elevated rotor during a mountain wave event in the Eastern Pyrenees</a></p>              | <p>Atmospheric Research. 2020, 234, 104698<br/>doi: <a href="https://doi.org/10.1016/j.atmosres.2019.104698">10.1016/j.atmosres.2019.104698</a></p> |
| <p>Malderen, Roeland van; Pottiaux, E.; Klos, A.; Domonkos, Peter; Elias, M.; Ning, T.; Bock, Olivier; Guijarro, José Antonio; Alshawaf, F.; Hoseini, M.; Quarello, A.; Lebarbier, Emilie; Chimani, B.; Tornatore, V.; Zengin Kazancı, S.; Bogusz, J.</p>                                                                                          | <p><a href="#">Homogenizing GPS integrated water vapor time series: benchmarking break detection methods on synthetic data sets</a></p> | <p>Earth and Space Science. 2020, 7(5)<br/>doi: <a href="https://doi.org/10.1029/2020EA001121">10.1029/2020EA001121</a></p>                         |

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| <p>Sainz, Carlos; Rábago, Daniel; Fernández, Enrique; Quindós, Jorge; Quindós, Luis; Fernández, Alicia; Fuente Merino, Ismael; Arteché García, José Luis; Quindós, Luis Santiago</p>                 | <p><a href="#">Variations in radon dosimetry under different assessment approaches in the Altamira Cave</a></p>                                                    | <p><b>Journal of Radiological Protection.</b> 2020, 40(2), 367<br/>doi: <a href="https://doi.org/10.1088/1361-6498/ab6fd2">10.1088/1361-6498/ab6fd2</a></p> |
| <p>Dumitrescu, Alexandru; Cheval, S.; Guijarro, José Antonio</p>                                                                                                                                     | <p><a href="#">Homogenization of a combined hourly air temperature dataset over Romania</a></p>                                                                    | <p><b>International Journal of Climatology.</b> 2020, 40(5), p. 2599-2608<br/>doi: <a href="https://doi.org/10.1002/joc.6353">10.1002/joc.6353</a></p>      |
| <p>Tapiador, Francisco J.; Navarro Arnés, Andrés; García Ortega, Eduardo; Merino Suances, Andrés; Sánchez Gómez, José Luis; Marcos Martín, Cecilia; Kummerow, Christian</p>                          | <p><a href="#">The contribution of rain gauges in the calibration of the IMERG product: results from the first validation over Spain</a></p>                       | <p><b>Journal of Hydrometeorology.</b> 2020, 21, p. 161-182<br/>doi: <a href="https://doi.org/10.1175/JHM-D-19-0116.1">10.1175/JHM-D-19-0116.1</a></p>      |
| <p>Domínguez Rodríguez, Alberto; Baez Ferrer, Néstor; Rodríguez González, Sergio; Avanzas, Pablo; Abreu González, Pedro; Terradellas, Enric; Cuevas Agulló, Emilio; Basart, Sara; Werner, Ernest</p> | <p><a href="#">Saharan dust events in the dust belt -Canary Islands and the observed association with in-hospital mortality of patients with heart failure</a></p> | <p><b>Journal of Clinical Medicine.</b> 2020, 9(2), 376<br/>doi: <a href="https://doi.org/10.3390/jcm9020376">10.3390/jcm9020376</a></p>                    |
| <p>Rontu, Laura; Gleeson, Emily; Martín Pérez, Daniel; Nielsen, Kristian Pagh; Toll, Velle</p>                                                                                                       | <p><a href="#">Sensitivity of radiative fluxes to aerosols in the ALADIN-HIRLAM numerical weather prediction system</a></p>                                        | <p><b>Atmosphere.</b> 2020, 11(2), 205<br/>doi: <a href="https://doi.org/10.3390/atmos11020205">10.3390/atmos11020205</a></p>                               |

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