

Artículos del personal de AEMET en revistas científicas - 2021 (act. 12/05/2021)

AUTOR	TÍTULO	PUBLICACIÓN
Bonsoms, Josep; González Herrero, Sergi; Prohom, Marc; Esteban, Pere; Salvador, Ferrán; López Moreno, Juan Ignacio; Oliva, Marc	Spatio-temporal patterns of snow in the Catalan Pyrenees (NE Iberia)	International Journal of Climatology. 2021, p. 1-22 doi: 10.1002/joc.7147
Galbán, Sofía; Justel, Ana; González Herrero, Sergi; Quesada, Antonio	Local meteorological conditions, shape and desiccation influence dispersal capabilities for airborne microorganisms	Science of the Total Environment. 2021, 780, 146653 doi: 10.1016/j.scitotenv.2021.146653
Keen, Ann; Blockley, Ed; Bailey, David A.; Boldingh Debernard, Jens; Bushuk, Mitchell; Delhaye, Steve; Docquier, David; Feltham, Daniel; Massonnet, François; O'Farrell, Siobhan ... Rodríguez González, José María ... etc.	An inter-comparison of the mass budget of the Arctic sea ice in CMIP6 models	The Cryosphere. 2021, 15(2), p. 951-982 doi: 10.5194/tc-15-951-2021
Alfonso, Marta de; Lin-Ye, Jue; García-Valdecasas, José María; Pérez-Rubio, Susana; Luna Rico, Yolanda; Santos Muñoz, Daniel; Ruiz, M. Isabel; Pérez, Begoña; Álvarez Fanjul, Enrique	Storm Gloria: sea state evolution based on in situ measurements and modeled data and its impact on extreme values	Frontiers in Marine Science. 2021, 8:646873 doi: 10.3389/fmars.2021.646873

<p>Marais, Eloise A.; Roberts, John F.; Ryan, Robert G.; Eskes, Henk J.; Boersma, K. Folkert; Choi, Sungyeon; Joiner, Joanna; Abuhassan, Nader; Redondas, Alberto; Grutter, Michel; Cede, Alexander; Gómez, Laura; Navarro Comas, Mónica</p>	<p>New observations of NO₂ in the upper troposphere from TROPOMI</p>	<p>Atmospheric Measurement Techniques. 2021, 14(3), p. 2389-2408 doi: 10.5194/amt-14-2389-2021</p>
<p>Minola, Lorenzo; Azorín Molina, César; Guijarro, José Antonio; Zhang, Gangfeng; Son, Seok-Woo; Chen, Deliang</p>	<p>Climatology of near-surface daily peak wind gusts across Scandinavia: observations and model simulations</p>	<p>Journal of Geophysical Research: Atmospheres. 2021, 126(7), p. 1-17 doi: 10.1029/2020JD033534</p>
<p>Curci, Gabriele; Guijarro, José Antonio; Di Antonio, Ludovico; Di Bacco, Mario; Di Lena, Bruno; Scorzini, Anna Rita</p>	<p>Building a local climate reference dataset: application to the Abruzzo region (Central Italy), 1930-2019</p>	<p>International Journal of Climatology. 2021, p. 1-23 doi: 10.1002/joc.7081</p>
<p>Marquis, Jared W.; Oyola, Mayra I.; Campbell, James R.; Ruston, Benjamin C.; Córdoba-Jabonero, Carmen; Cuevas Agulló, Emilio; Lewis, Jasper R.; Toth, Travis D.; Zhang, Jianglong</p>	<p>Conceptualizing the impact of dust-contaminated infrared radiances on data assimilation for numerical weather prediction</p>	<p>Journal of Atmospheric and Oceanic Technology. 2021, 38(2), p. 209-221 doi: 10.1175/JTECH-D-19-0125.1</p>
<p>Evangeliou, Nikolaos; Platt, Stephen M.; Eckhardt, Sabine; Myhre, Cathrine Lund ... Prats Porta, Natalia ... etc.</p>	<p>Changes in black carbon emissions over Europe due to COVID-19 lockdowns</p>	<p>Atmospheric Chemistry and Physics. 2021, 21(4), p. 2675-2692 doi: 10.5194/acp-21-2675-2021</p>

<p>Sepúlveda, Edgardo; Cordero, Raul R.; Damiani, Alessandro; Feron, Sarah; Pizarro, Jaime; Zamorano, Felix; Kivi, Rigel; Sánchez, Ricardo; Yela, Margarita ... Redondas, Alberto; Rowe, Penny M.</p>	<p>Evaluation of Antarctic ozone profiles derived from OMPS LP by using balloon borne ozonesondes</p>	<p>Scientific Reports. 2021, 11:4288 doi: 10.1038/s41598-021-81954-6</p>
<p>Blumenstock, Thomas; Hase, Frank; Keens, Axel; Czurlok, Denis; Colebatch, Orfeo; García Rodríguez, Omaira Elena, etc.</p>	<p>Characterization and potential for reducing optical resonances in Fourier transform infrared spectrometers of the Network for the Detection of Atmospheric Composition Change (NDACC)</p>	<p>Atmospheric Measurement Techniques. 2021, 14, p. 1239-1252 doi: 10.5194/amt-14-1239-2021</p>
<p>Steinbrecht, Wolfgang; Kubistin, Dagmar; Plass-Dülmer, Christian; Davies, J.; Tarasick, David W. ... Hernández, J. L.; Díaz Rodríguez, Ana María; Nakano, Tatsumi; Chouza, Fernando; Leblanc, Thierry; Torres, Carlos; García Rodríguez, Omaira Elena etc.</p>	<p>COVID-19 Crisis Reduce Free Tropospheric Ozone across the Northern Hemisphere</p>	<p>Geophysical Research Letters. 2021, 48 doi: 10.1029/2020GL091987</p>
<p>Alonso, Rafael; García del Pozo, José María; Buisán, Samuel; Álvarez, José Adolfo</p>	<p>Analysis of the snow water equivalent at the AEMet-Formigal field laboratory (Spanish Pyrenees) during the 2019/2020 winter season using a stepped-frequency continuous wave radar (SFCW)</p>	<p>Remote Sensing. 2021, 13(4), 616 doi: 10.3390/rs13040616</p>
<p>Merino, Andrés; García Ortega, Eduardo; Navarro, Andrés; Fernández-González, Sergio ; Tapiador, Francisco J.; Sánchez, José Luis</p>	<p>Evaluation of gridded rain-gauge-based precipitation datasets: impact of station density, spatial resolution, altitude gradient and climate</p>	<p>Internacional Journal of Climatology. 2021, p. 1-17 doi: 10.1002/joc.7003</p>

<p>Sun, Bomin; Calbet, Xavier Autor; Reale, Anthony; Schroeder, Steven; Bali, Manik; Smith, Ryan; Pettey, Michael</p>	<p>Accuracy of Vaisala RS41 and RS92 upper tropospheric humidity compared to satellite hyperspectral infrared measurements</p>	<p>Remote Sensing. 2021, 13(2), 173 doi: 10.3390/rs13020173</p>
<p>Molero, Francisco; Fernández, Alfonso Javier; Revuelta, María Aránzazu; Martínez Marco, Isabel; Pujadas, Manuel; Artíñano, Begoña</p>	<p>Effect of vertical profile of aerosols on the local shortwave radiative forcing estimation</p>	<p>Atmosphere. 2020, 12(2), 187 doi: 10.3390/atmos12020187</p>
<p>Rodríguez González, Sergio; Prospero, Joseph M.; López-Darias, Jessica; García Álvarez, María Isabel; Zuidema, Paquita; Nava, Silvia; Lucarelli, Franco; Gaston, Cassandra J.; Galindo, L.; Sosa, Elisa</p>	<p>Tracking the changes of iron solubility and air pollutants traces as African dust transits the Atlantic in the Saharan dust outbreaks</p>	<p>Atmospheric Environment. 2021, 246, 118092 doi: 10.1016/j.atmosenv.2020.118092</p>
<p>García Cabrera, Rosa Delia; Cuevas Agulló, Emilio; Cachorro, Victoria E.; García Rodríguez, Omaira Elena; Barreto, África; Almansa Rodríguez, Antonio F.; Romero Campos, Pedro Miguel; Ramos López, Ramón; Pó, Mario; Hoogendijk, Kees; Gross, Jochen</p>	<p>Water vapor retrievals from spectral direct irradiance measured with an EKO MS-711 spectroradiometer—intercomparison with Other Techniques</p>	<p>Remote Sensing. 2021, 13(30), 350 doi: 10.3390/rs13030350</p>
<p>Rodríguez, Oriol; Bech, Joan; Arús, Joan; Castán, Salvador; Figuerola, Francesc; Rigo, Tomeu</p>	<p>An overview of tornado and waterspout events in Catalonia (2000-2019)</p>	<p>Atmospheric Research. 2021, 250, 105415 doi: 10.1016/j.atmosres.2020.105415</p>

<p>Soula, Serge; Pineda, Nicolau; Georgis, Jean-François; Leroy, Antoine; Vanpoucke, Igor; Montanyà, Joan; Casellas, Enric; Gonzalez, Sergi; Joan Bech</p>	<p>On the conditions for winter lightning at the Eagle Nest Tower (2537 m asl) during the Cerdanya-2017 field experiment</p>	<p>Atmospheric Research. 2021, 247, 105208 doi: 10.1016/j.atmosres.2020.105208</p>
<p>Pablo Dávila, F. de; Rivas Soriano, L. J.; Jiménez Alonso, C.; Mora García, M.; Riesco Martín, J.</p>	<p>Synoptic patterns of severe hailstorm events in Spain</p>	<p>Atmospheric Environment. 2021, 250, 105397 doi: 10.1016/j.atmosres.2020.105397</p>
<p>Gutiérrez-Estrada, J. C.; Pulido-Calvo, I.; Peregrín, A. ; García-Gálvez, A. ; Báez, J. C.; Bellido, J. J.; Souviron-Priego, L.; Sánchez-Laulhé, J.M.; López, J. A.</p>	<p>Integrating local environmental data and information from non-driven citizen science to estimate jellyfish abundance in Costa del Sol (southern Spain)</p>	<p>Estuarine, Coastal and Shelf Science. 2021, 249, 107112 doi: 10.1016/j.ecss.2020.107112</p>
<p>Suárez Molina, David; Fernández-González, Sergio; Montero, Gustavo; Oliver, Albert; Suárez González, Juan Carlos</p>	<p>Sensitivity analysis of the WRF model: Assessment of performance in high resolution simulations in complex terrain in the Canary Islands</p>	<p>Atmospheric Research. 2021, 247, 105157. doi: 10.1016/j.atmosres.2020.105157</p>