

Artículos del personal de AEMET en revistas científicas - 2026 (act. 28/05/2026)

AUTOR	TÍTULO	PUBLICACIÓN
<p> Mahowald, Natalie M.; Li, Longlei; Ageitos, María Gonçalves; Miller, Ron L.; Pérez García-Pando, Carlos; Ginoux, Paul; Obiso, Vincenzo; Brodrick, Philip G.; Clark, Roger N.; Desboeufs, Karine; Green, Robert O.; Okin, Gregory S.; Thompson, David R.; Rathod, Sagar D.; Gazel, Esteban; Hornby, Adrian; Journet, Emile; Alaimo, Maria Grazia; Alves, Célia; Alastuey, Andrés; Artaxo, Paulo; Baker, Alex R.; Barraza, Francisco; Becagli, Silvia; Buckley, Bruce; Buck, Clifton S.; Calzolari, Giulia; Chellam, Shankaraman; Chen, Ying; Chuang, Patrick Y.; Cohen, David D.; Colombi, Cristina; Diapouli, Evangelia; Dongarra, Gaetano; Eleftheriadis, Konstantinos; Engelbrecht, Johann P.; Galy-Lacaux, Corinne; Gaston, Cassandra J.; Gómez, Darío; González Ramos, Yenny; Hand, Jenny L.; Harrison, Roy M.; Herut, Barak; Hopke, Philip K.; Kertesz, Zsofia; Kyllönen, Katriina; Lambert, Fabrice; Landing, Willam M.; Losno, Remi; Lucarelli, Franco; Maenhaut, Willy; Marsay, Christopher; Matsui, Hitoshi; Martin, Randall V.; Morera-Gómez, Yasser; Paytan, Adina; Prospero, Joseph M.; Rodríguez González, Sergio; </p>	<p> Global Model Estimates of Atmospheric Al, Ca, Fe, Si, and Ti From Dust and Non-Dust Aerosols Informed by EMIT Surface Mineralogy and Evaluated Against Observations </p>	<p> Global Biogeochemical Cycles. 2026, 40(5), e2025GB009033 DOI: 10.1029/2025GB009033 </p>

<p>Sarthou, Geraldine; Shelley, Rachel; Siefert, Ronald L.; Smichowski, Patricia; Varrica, Daniela</p>		
<p>Ortega Camacho, María; Gutiérrez, Claudia; López de la Franca, Noelia; Molina Sánchez, María Ofelia; Cabos, William; Sein, Dmitry; Sánchez, Enrique</p>	<p>Levante and Poniente winds in the Strait of Gibraltar: Present and future characterization using regional climate models</p>	<p>Atmospheric Research. 2026, 340, 109071 DOI: 10.1016/j.atmosres.2026.109071</p>
<p>García Cabrera, Rosa Delia; Barreto Velasco, África; Cachorro, Victoria E.; González-Sicilia, Pablo; León-Luis, Sergio Fabián; Álvarez Hernández, Ayoze; Bustos Seguela, Juan José de; Ramos López, Ramón; Almansa Rodríguez, Antonio Fernando; Álvarez-Losada, Óscar; González Ramos, Yenny; Rivas Soriano, Pedro Pablo; Torres, Carlos</p>	<p>Impact of spectral aerosol radiative forcing at the Izaña observatory during the August 2023 extreme wildfires</p>	<p>Atmospheric Measurement Techniques. 2026, 19(9), p. 3151-3167 DOI: 10.5194/amt-19-3151-2026</p>
<p>Abril Gago, Jesús; Tovar, Irene; Echeverría, María Teresa; Andújar Maqueda, Juana; Ortiz Amezcua, Pablo; Cabrera Carrillo, Germán; Serrano Ortiz, Penélope; Domingo, Francisco; Alados Arboledas, Lucas; Kowalski, Andrew S.; Sánchez Cañete, Enrique P.; Guerrero-Rascado, Juan Luis</p>	<p>Disentangling the drivers of soil CO2 ventilation in a Mediterranean dryland using in situ and remote sensing techniques</p>	<p>Biogeosciences. 2026, 23(7), p. 2569-2581 DOI: 10.5194/bg-23-2569-2026</p>
<p>Barreto Velasco, África; Quirós, Francisco; García Rodríguez, Omaira Elena; Pereda de Pablo, Jorge; González-Fernández, Daniel;</p>	<p>Volcanic plume height during the 2021 Tajogaite eruption (La Palma) from two complementary monitoring methods - implications for satellite-based products</p>	<p>Atmospheric Measurement Techniques. 2026, 19(4), p. 1385-1406</p>

<p>Bedoya Velásquez, Andrés Esteban; Sicard, Michaël; Córdoba-Jabonero, Carmen; Iarlori, Marco; Rizi, Vincenzo; Krotkov, Nickolay; Carn, Simon; Roininen, Reijo; Molina Arias, Antonio J.; Almansa Rodríguez, Antonio Fernando; Álvarez-Losada, Óscar; Aramo, Carla; Bustos Seguela, Juan José de; Ceolato, Romain; Comerón, Adolfo; Felpeto, Alicia; García Cabrera, Rosa Delia; González-Sicilia, Pablo; González Ramos, Yenny; Hedelt, Pascal; Hernández Martínez de la Peña, Miguel; López Cayuela, María Ángeles; Loyola, Diego; Meletlidis, Stavros; Muñoz Porcar, Constantino; Pietropaolo, Ermanno; Ramos López, Ramón; Rodríguez Gómez, Alejandro; Román, Roberto; Romero Campos, Pedro Miguel; Stuefer, Martin; Toledano, Carlos; Welton, Ellsworth J.</p>		<p>DOI: 10.5194/amt-19-1385-2026</p>
<p>Collins, Sarah L.; Martínez de la Torre, Alberto; Scheidegger, Johanna; Clark, Douglas B.; Hughes, Andrew</p>	<p>Exploring the Relationship Between Groundwater Drought and Evapotranspiration With the JULES Land Surface Model in a UK Chalk Catchment</p>	<p>Hydrological Processes. 2026, 40(4), p. 1-19 DOI: 10.1002/hyp.70482</p>
<p>López Reyes, Mauricio; Martín, María Luisa; Calvo Sancho, Carlos; González-Alemán, Juan Jesús</p>	<p>Dynamic forcing behind Hurricane Lidia's rapid intensification</p>	<p>Weather and Climate Dynamics. 2026, 7(1), p. 523-545 DOI: 10.5194/wcd-7-523-2026</p>

<p>Wu, Jennifer; Luo, Sherry; Zeng, Zhao-Cheng; Wunch, Debra; García Rodríguez, Omaira Elena; Hase, Frank; Kivi, Rigel; Ohyama, Hirofumi; Morino, Isamu; Sussmann, Ralf; Rettinger, Markus; Te, Yao; Deutscher, Nicholas Michael; Griffith, David W. T.; Shiomi, Kei; Liu, Cheng; Notholt, Justus; Iraci, Laura; Pollard, David F.; Warneke, Thorsten; Roehl, Coleen M.; Pongetti, Thomas J.; Sander, Stanley P.; Yung, Yuk L.</p>	<p>The Post-2020 Surge in Global Atmospheric Methane Observed in Ground-Based Observations</p>	<p>Earth and Space Science. 2026, 13(3), e2024EA003669</p> <p>DOI: 10.1029/2024EA003669</p>
<p>El Kassar, Jan; Carbajal-Henken, Cintia; Calbet, Xavier; Rípodas Agudo, Pilar; Preusker, Rene; Fischer, Jürgen</p>	<p>Optimal estimation retrieval framework for daytime clear-sky total column water vapour from MTG-FCI near-infrared measurements</p>	<p>Atmospheric Measurement Techniques. 2026, 19(1), 135-155</p> <p>DOI: 10.5194/amt-19-135-2026</p>
<p>Gualdi, Silvio; Rodríguez Camino, Ernesto; Rodríguez Guisado, Esteban; Toreti, Andrea; Pasqui, Massimiliano; Ardilouze, Constantin; Badi, Wafae; Batté, Lauriane; Driouech, Fatima; Fröhlich, Kristina; García Serrano, Javier; Terzago, Silvia; Torralba, Verónica</p>	<p>Seasonal Predictions and Their Applications in the Mediterranean Region: Part II—Prediction-Based Services</p>	<p>International Journal of Climatology. 2026 [Early View], e70300</p> <p>DOI: 10.1002/joc.70300</p>
<p>Montoro Mendoza, Ana; Calvo Sancho, Carlos; González-Alemán, Juan Jesús; Díaz Fernández, Javier; Bolgiani, Pedro; Martín Pérez, María Luisa</p>	<p>Strengthening of favorable environments for North Atlantic tropical cyclogenesis in midlatitudes in a warmer climate</p>	<p>npj Climate and Atmospheric Science. 2026, 9, 45</p> <p>DOI: 10.1038/s41612-025-01317-0</p>

<p>Keppel Aleks, G.; Torres, Anthony D.; Tatham, E.; Doney, Scott C.; De Mazière, Martine; García Rodríguez, Omaira Elena; Roehl, Coleen M.</p>	<p>Observational Requirements for Quantifying the Diurnal Cycle of XCO2 From Space</p>	<p>Journal of Geophysical Research: Atmospheres. 2026, 131(1), e2025JD044301 DOI: 10.1029/2025JD044301</p>
<p>Díaz Fernández, Javier; Calvo Sancho, Carlos; López Reyes, Mauricio; Bolgiani, Pedro; González-Alemán, Juan Jesús; Morata Gasca, Ana; Santos Muñoz, Daniel; Martín Pérez, María Luisa</p>	<p>Cost-benefit analysis of the nesting approach in HARMONIE-AROME for a supercell outbreak case study</p>	<p>Atmospheric Research. 2026, 334, 108774 DOI: 10.1016/j.atmosres.2026.108774</p>
<p>Gualdi, Silvio; García Serrano, Javier; Ardilouze, Constantin; Terzago, Silvia; Torralba, Verónica; Badi, Wafae; Batté, Lauriane; Driouech, Fatima; Fröhlich, Kristina; Rodríguez Camino, Ernesto; Rodríguez Guisado, Esteban; Pasqui, Massimiliano; Toreti, Andrea</p>	<p>Seasonal Predictions and Their Applications in the Mediterranean Region: Part I—Sources of Predictability and Prediction Skill</p>	<p>International Journal of Climatology. 2026, 46(5), e70274 DOI: 10.1002/joc.70274</p>
<p>Calvo Sancho, Carlos; Díaz Fernández, Javier; González-Alemán, Juan Jesús; Halifa Marín, Amar; Miglietta, Mario Marcelo; Azorín Molina, César; Prein, Andreas F.; Montoro Mendoza, Ana; Bolgiani, Pedro; Morata Gasca, Ana; Martín, María Luisa</p>	<p>Human-induced climate change amplification on storm dynamics in Valencia’s 2024 catastrophic flash flood</p>	<p>Nature Communications. 2026, 17, 1492 DOI: 10.1038/s41467-026-68929-9</p>
<p>López de la Franca, Noelia; Gaertner, Miguel Ángel; Sánchez, Enrique; Gutiérrez, Claudia; Ortega, María; Gallardo, Clemente</p>	<p>Offshore wind energy in the Iberian Peninsula: A comparative analysis of availability, persistence, and complementarity with onshore wind and solar photovoltaic generation</p>	<p>Renewable Energy. 2026, 258, 124903 DOI: 10.1016/j.renene.2025.124903</p>