

Artículos del personal de AEMET en revistas científicas - 2026 (act. 30/03/2026)

AUTOR	TÍTULO	PUBLICACIÓN
López Reyes, Mauricio; Martín, María Luisa; Calvo Sancho, Carlos; González-Alemán, Juan Jesús	Dynamic forcing behind Hurricane Lidia's rapid intensification	Weather and Climate Dynamics. 2026, 7(1), p. 523-545 DOI: 10.5194/wcd-7-523-2026
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.	The Post-2020 Surge in Global Atmospheric Methane Observed in Ground-Based Observations	Earth and Space Science. 2026, 13(3), e2024EA003669 DOI: 10.1029/2024EA003669
El Kassar, Jan; Carbajal-Henken, Cintia; Calbet, Xavier; Rípodas Agudo, Pilar; Preusker, Rene; Fischer, Jürgen	Optimal estimation retrieval framework for daytime clear-sky total column water vapour from MTG-FCI near-infrared measurements	Atmospheric Measurement Techniques. 2026, 19(1), 135-155 DOI: 10.5194/amt-19-135-2026
Gualdi, Silvio; Rodríguez Camino, Ernesto; Rodríguez Guisado, Esteban; Toreti, Andrea; Pasqui, Massimiliano; Ardilouze,	Seasonal Predictions and Their Applications in the Mediterranean Region: Part II—Prediction-Based Services	International Journal of Climatology. 2026 [Early View], e70300

<p>Constantin; Badi, Wafae; Batté, Lauriane; Driouech, Fatima; Fröhlich, Kristina; García Serrano, Javier; Terzago, Silvia; Torralba, Verónica</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 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 [Early view], e70274 DOI: 10.1002/joc.70274</p>



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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

[Human-induced climate change amplification on storm dynamics in Valencia's 2024 catastrophic flash flood](#)

Nature Communications. 2026, 17, 1492

DOI: [10.1038/s41467-026-68929-9](https://doi.org/10.1038/s41467-026-68929-9)

López de la Franca, Noelia; Gaertner, Miguel Ángel; Sánchez, Enrique; Gutiérrez, Claudia; Ortega, María; Gallardo, Clemente

[Offshore wind energy in the Iberian Peninsula: A comparative analysis of availability, persistence, and complementarity with onshore wind and solar photovoltaic generation](#)

Renewable Energy. 2026, 258, 124903

DOI: [10.1016/j.renene.2025.124903](https://doi.org/10.1016/j.renene.2025.124903)