

Artículos del personal de AEMET en revistas científicas - 2024 (act. 09/05/2024)

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Zhang, Gang-Feng; Azorín Molina, César; Chen, Deliang; McVicar, Tim R.; Guijarro Pastor, José Antonio; Deng, Kaiqiang; Minola, Lorenzo; Lee, Jaeyeon; Son, Seok-Woo; Ma, Heng; Shi, Pei-Jun	Variability and trends of near-surface wind speed over the Tibetan Plateau: The role played by the westerly and Asian monsoon	Advances in Climate Change Research [In press]. 2024, p. 1-12 DOI: 10.1016/j.accre.2024.04.007
López Bueno, José Antonio; Alonso, P.; Navas Martín, Miguel Ángel; Mirón Pérez, Isidro Juan; Belda Esplugues, Fernando; Díaz Jiménez, Julio; Linares Gil, Cristina	Determination of heat wave definition temperatures in Spain at an isoclimatic level: time trend of heat wave duration and intensity across the decade 2009-2018	Environmental Sciences Europe. 2024, 36, p. 1-12 DOI: 10.1186/s12302-024-00917-6
Voglmeier, Karl; Velazco, Voltaire A.; Egli, Luca; Gröbner, Julian; Redondas, Alberto; Steinbrecht, Wolfgang	The transition to new ozone absorption cross sections for Dobson and Brewer total ozone measurements	Atmospheric Measurement Techniques. 2024, 17(8), p. 2277-2294 DOI: 10.5194/amt-17-2277-2024
Quintero-Plaza, David; González-Alemán, Juan Jesús ; Alejo-Herrera, Cristo José; Suárez-Molina, David; González-Alejandre, César; Peñate-De La Rosa, Irene Soledad	Verification of forecasted precipitation from Tropical Storm Hermine in the Canary Islands	Weather [Online versión]. 2024 DOI: 10.1002/wea.4558
Gutiérrez Fernández, Jesús; Miglietta, Mario Marcello; González Alemán, Juan José; Gaertner, Miguel Ángel	A New Refinement of Mediterranean Tropical-Like Cyclones Characteristics	Geophysical Research Letters. 2024, 51(8), e2023GL106429 DOI: 10.1029/2023GL106429

Jonathan D. Wille, Simon P. Alexander, Charles Amory, Rebecca Baiman, Léonard Barthélemy, Dana M. Bergstrom, Alexis Berne, Hanin Binder, Juliette Blanchet, Deniz Bozkurt, Thomas J. Bracegirdle, Mathieu Casado, Taejin Choi, Kyle R. Clem, Francis Codron, Rajashree Datta, Stefano Di Battista, Vincent Favier, Diana Francis, Alexander D. Fraser, Elise Fourné, René D. Garreaud, Christophe Genthon, Irina V. Gorodetskaya, Sergi González-Herrero, Victoria J. Heinrich, Guillaume Hubert, Hanna Joos, Seong-Joong Kim, John C. King, Christoph Kittel, Amaelle Landais, Matthew Lazzara, Gregory H. Leonard, Jan L. Lieser, Michelle Maclennan, David Mikolajczyk, Peter Neff, Inès Ollivier, Ghislain Picard, Benjamin Pohl, Martin F. Ralph, Penny Rowe, Elisabeth Schlosser, Christine A. Shields, Inga J. Smith, Michael Sprenger, Luke Trusel, Danielle Udy, Tessa Vance, Étienne Vignon, Catherine Walker, Nander Wever, Xun Zou

[The extraordinary March 2022 East Antarctica “heat” wave. Part II: impacts on the Antarctic ice sheet](#)

Journal of Climate. 2024, 37(3), p. 779-799

DOI: [10.1175/JCLI-D-23-0176.1](https://doi.org/10.1175/JCLI-D-23-0176.1)

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[The extraordinary March 2022 East Antarctica “heat” wave. Part I: observations and meteorological drivers](#)

Journal of Climate. 2024, 37(3), p. 757-778

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Garreaud, Christophe Genthon, Irina V. Gorodetskaya, Sergi González-Herrero, Victoria J. Heinrich, Guillaume Hubert, Hanna Joos, Seong-Joong Kim, John C. King, Christoph Kittel, Amaelle Landais, Matthew Lazzara, Gregory H. Leonard, Jan L. Lieser, Michelle Maclennan, David Mikolajczyk, Peter Neff, Inès Ollivier, Ghislain Picard, Benjamin Pohl, Martin F. Ralph, Penny Rowe, Elisabeth Schlosser, Christine A. Shields, Inga J. Smith, Michael Sprenger, Luke Trusel, Danielle Udy, Tessa Vance, Étienne Vignon, Catherine Walker, Nander Wever, Xun Zou

Lu, Louis; Li, Longlei; Rathod, Sagar D.; Hess, Peter; Martínez, Carmen; Fernandez, Nicole; Goodale, Christine; Thies, Janice; Wong, Michelle Y.; Alaimo, Maria Grazia; Artaxo, Paulo; Barraza, Francisco; Barreto Velasco, África; Beddows, D. C. S.; Chellam, Shankaraman; Chen, Ying; Chuang, Patrick; Cohen, David D.; Dongarra, Gaetano; Gaston, Cassandra J.; Gómez, Darío; Morera-Gómez, Yasser; Hakola, Hannele; Hand, Jenny L.; Harrison, Roy M.; Hopke, Philip K.; Hueglin, Christoph; Kuang, Yuan-Wen; Kyllönen, Katriina; Lambert, Fabrice; Maenhaut, Willy; Martin, Randall; Paytan, Adina; Prospero, Joseph M.; González Ramos, Yenny; Rodríguez González, Sergio; Smichowski, Patricia; Varrica, Daniela;

[Characterizing the Atmospheric Mn Cycle and Its Impact on Terrestrial Biogeochemistry](#)

Global Biogeochemical Cycles. 2024, 38(4), e2023GB007967

DOI: [10.1029/2023GB007967](https://doi.org/10.1029/2023GB007967)

<p>Walsh, Brenna; Weagle, Crystal; Xiao, Yihua; Mahowald, Natalie M.</p>		
<p>Cuevas Agulló, Emilio; Barriopedro, David; García Cabrera, Rosa Delia; Alonso Pérez, Silvia; González-Alemán, Juan Jesús; Werner, Ernest; Suárez Molina, David; Bustos Seguela, Juan José de; García-Castrillo, Gerardo; García Rodríguez, Omaira Elena; Barreto Velasco, África; Basart, Sara</p>	<p>Sharp increase in Saharan dust intrusions over the western Euro-Mediterranean in February-March 2020-2022 and associated atmospheric circulation</p>	<p>Atmospheric Chemistry and Physics. 2024, 24(7), p. 4083-4104</p> <p>DOI: 10.5194/acp-24-4083-2024</p>
<p>Martín, María Luisa; Calvo Sancho, Carlos; Taszarek, Mateusz; González-Alemán, Juan Jesús; Montoro Mendoza, Ana; Díaz Fernández, Javier; Bolgiani, Pedro; Sastre, Mariano; Martín, Yago</p>	<p>Major Role of Marine Heatwave and Anthropogenic Climate Change on a Giant Hail Event in Spain</p>	<p>Geophysical Research Letters. 2024, 51(6), e2023GL107632</p> <p>DOI: 10.1029/2023GL107632</p>
<p>Toledano, Carlos; Taylor, Sarah; Barreto Velasco, África; Adriaensen, Stefan; Berjón, Alberto; Bialek, Agnieszka; González, Ramiro; Woolliams, Emma R.; Bouvet, Marc</p>	<p>LIME: Lunar Irradiance Model of ESA, a new tool for absolute radiometric calibration using the Moon</p>	<p>Atmospheric Chemistry and Physics. 2024, 24(6), p. 3649-3671</p> <p>DOI: 10.5194/acp-24-3649-2024</p>
<p>Almansa Rodríguez, Antonio Fernando; Barreto Velasco, África; Kouremeti, Natalia; González, Ramiro; Masoom, Akriti; Toledano, Carlos; Gröbner, Julian; García Cabrera, Rosa Delia; González Ramos, Yenny; Kazadzis, Stelios; Victori, Stéphane;</p>	<p>The Langley Ratio method, a new approach for transferring photometer calibration from direct sun measurements</p>	<p>Atmospheric Measurement Techniques. 2024, 17(2), 659-675</p> <p>DOI: 10.5194/amt-17-659-2024</p>

<p>Álvarez, Óscar; Carreño Corbella, Virgilio; Cachorro, Victoria E.; Cuevas Agulló, Emilio</p>		
<p>Álvarez, L.; Bass, A. D.; Lozano, Ana Isabel; García Abenza, Adrián; Limão Vieira, Paulo; Sanche, León; García, Gustavo</p>	<p>Electron stimulated desorption from condensed benzene</p>	<p>Physical Chemistry Chemical Physics. 2024 DOI: 10.1039/D3CP06289A</p>
<p>Zheng, Jianyu; Zhang, Zhibo; DeSouza-Machado, Sergio; Ryder, Claire L.; Garnier, Anne; Di Mauro, Biagio; Yang, Ping; Welton, Ellsworth J.; Yu, Hongbin; Barreto Velasco, África; Yela González, Margarita</p>	<p>Assessment of Dust Size Retrievals Based on AERONET: A Case Study of Radiative Closure From Visible-Near- Infrared to Thermal Infrared</p>	<p>Geophysical Research Letters. 2024, 51(4), e2023GL106808 DOI: 10.1029/2023GL106808</p>
<p>Romero-Martín, Rut; Caballero Leiva, Isabel; Llasat, María del Carmen; Llasat, Montserrat; Rigo, Tomeu; Valdemoro, Herminia I.; Gilabert, Joan; Cortès Simó, Maria; Jiménez, José A.</p>	<p>Mapping cumulative compound hydrometeorological and marine-induced risks on the NW Mediterranean coast</p>	<p>Scientific Reports. 2024, 14, 3237 DOI: 10.1038/s41598-024-53899-z</p>
<p>Díaz Fernández, Javier; Calvo Sancho, Carlos; Bolgiani, Pedro; González-Alemán, Juan Jesús; Farrán Martín, José Ignacio; Sastre, Mariano; Martín, María Luisa</p>	<p>On the Precursor Environments to Mountain Lee Wave Clouds in Central Iberia under CMIP6 Projections</p>	<p>Atmosphere. 2024, 15(1), 128 DOI: 10.3390/atmos15010128</p>
<p>González Herrero, Sergi; Navarro, Francisco J.; Pertierra, Luis R.; Oliva, Marc; Dadic, Ruzica; Peck, Lloyd; Lehning, Michael</p>	<p>Southward migration of the zero-degree isotherm latitude over the Southern Ocean and the Antarctic Peninsula: Cryospheric, biotic and societal implications</p>	<p>Science of the Total Environment. 2024, 912, 168473 DOI: 10.1016/j.scitotenv.2023.168473</p>



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Jardines, Aniel; Eivazi, Hamidreza; Zea, Elias; García-Heras, Javier; Simarro Grande, Juan Pablo; Otero, Evelyn; Soler, Manuel; Vinuesa, Ricardo

[Thunderstorm prediction during pre-tactical air-traffic-flow management using convolutional neural networks](#)

Expert Systems with Applications. 2024, 241, 122466

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