

Artículos del personal de AEMET en revistas científicas - 2025 (act. 23/07/2025)

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Van Malderen, Roeland; Thompson, Anne M.; Kollonige, Debra E.; Stauffer, Ryan M.; Smit, Herman G. J.; Maillard Barras, Eliane; Vigouroux, Corinne; Petropavlovskikh, Irina; Leblanc, Thierry; Thouret, Valerie; Wolff, Pawel; Effertz, Peter; Tarasick, David W.; Poyraz, Deniz; Ancellet, Gerard; Backer, Marie-Renée De; Evan, Stéphanie; Flood, Victoria; Frey, Matthias; Hannigan, James W.; Hernández Pérez, José Luis; Iarlori, Marco; Johnson, Bryan; Jones, Nicholas; Kivi, Rigel; Mahieu, Emmanuel; McConville, Glen; Müller, Katrin; Nagahama, Tomoo; Notholt, Justus; Piter, Ankie J. M.; Prats Porta, Natalia; Querel, Richard; Smale, Dan; Steinbrecht, Wolfgang; Strong, Kimberly; Sussmann, Ralf	Global ground-based tropospheric ozone measurements: reference data and individual site trends (2000-2022) from the TOAR-II/HEGIFTOM project	Atmospheric Chemistry and Physics. 2025, 25(13), p. 7187-7225 DOI: 10.5194/acp-25-7187-2025
Das, Saswati; Kiel, Matthaeus; Laughner, Joshua; Osterman, Gregory; O'Dell, Christopher W.; Taylor, Thomas E.; Fisher, Brendan; Chevallier, Frédéric; Deutscher, Nicholas Michael; Dubey, Manvendra K.; Feist, Dietrich G.; García Rodríguez, Omaira Elena; Griffith, David W. T.; Hase, Frank; Iraci, Laura; Kivi, Rigel; Morino,	Comparisons of the v11.1 Orbiting Carbon Observatory-2 (OCO-2) XCO₂ Measurements With GGG2020 TCCON	Earth and Space Science. 2025, 12(7), e2024EA003935 DOI: 10.1029/2024EA003935

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Álvarez-Socorro, Gleisis; Fernández Álvarez, José Carlos; Cana, Luis; Suárez Molina, David; Nieto, Raquel; Gimeno, Luis	Comprehensive Lagrangian assessment of Canary Island precipitation moisture sources	Atmospheric Research. 2025, 326, 108312 DOI: 10.1016/j.atmosres.2025.108312
Zhao, Xiaoyi; Griffin, Debora; Fioletov, Vitali; McLinden, Chris; Liu, Xiong; Park, Junsung; Petropavlovskikh, Irina; Hanisco, Thomas F.; Szykman, James; Valin, Lukas; Baumann, Eric; Cede, Alexander; Tiefengraber, Martin; Gebetsberger, Manuel; Uesato, Itaru; Zheng, Xiangdong; Ahn, Soi; Chang, Limseok; Lee, Won-Jin; Kim, Jae Hwan; Lee, Hyunjin; Baek, Kanghyun; Redondas, Alberto; Fujiwara, Masatomo; Wang, Ting; Grutter, Michel;	Geostationary Satellites Total Ozone Observations: First Results on Ground-Based Networks Validation Efforts for TEMPO and GEMS	Geophysical Research Letters. 2025, 52(12), e2025GL114768 DOI: 10.1029/2025GL114768

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Llasat, María del Carmen; Marcos Matamoros, Raül; Pascual Berghaenel, Ramón; Rigo, Tomeu; Insua-Costa, Damián; Crespo Otero, Alfredo	Western Mediterranean flash floods through the Lens of Alcanar (NE Iberian Peninsula): Meteorological drivers and trends	Atmospheric Research. 2025, 326, 108266 DOI: 10.1016/j.atmosres.2025.108266
Mayol-Bracero, Olga L.; Prospero, Joseph M.; Sarangi, B.; Andrews, Elisabeth; Colarco, Peter Richard; Cuevas Agulló, Emilio; Girolamo, Paolo Di; García Cabrera, Rosa Delia; Gaston, C.; Holben, Brent N.; Ladino, Luis Antonio; León, P.; Losno, Remi; Martínez, O.; Martínez Huertas, B. L.; Méndez-Lázaro, P.; Molinie, J.; Muller-Karger, F.; Otis, D.; Raga, G.; Reyes, A.; Rosas Nava, J.; Rosas, D.; Sealy, Andrea; Serikov, I.; Tong, Daniel; Torres-Delgado, E.; Yu, H.; Zuidema, Paquita	“Godzilla”, the extreme African dust event of June 2020: Origins, Transport, and Impact on Air Quality in the Greater Caribbean Basin	Bulletin of the American Meteorological Society. 2025 [Early Online Release] DOI: 10.1175/BAMS-D-24-0045.1
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Cristina; Diapouli, Evangelia; Dongarra, Gaetano; Eleftheriadis, Konstantinos; Engelbrecht, Johann; Galy-Lacaux, Corinne; Gaston, Cassandra J.; Gómez, Darío; González Ramos, Yenny; Harrison, Roy M.; Heyes, Chris; Herut, Barak; Hopke, Philip K.; Hüglin, Christoph; Kanakidou, Maria; Kertesz, Zsofia; Klimont, Zbigniew; Kyllönen, Katriina; Lambert, Fabrice; Liu, Xiaohong; Losno, Remi; Lucarelli, Franco; Maenhaut, Willy; Marticorena, Beatrice; Martin, Randall V.; Mihalopoulos, Nikolaos; Morera-Gómez, Yasser; Paytan, Adina; Prospero, Joseph M.; Rodríguez González, Sergio; Smichowski, Patricia; Varrica, Daniela; Walsh, Brenna; Weagle, Crystal; Zhao, Xi		
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Ortega, María; Rubinetti, Sara; Konyssova, Gaziza; Mayer, Bernhard; Sánchez, Enrique; Gutiérrez Escribano, Claudia; Wiltshire, Karen Helen; Sidorenko, Vera	Future Wind Conditions in the German Bight Under RCP8.5 Emissions Scenario (2006-2099) From Regional Coupled Ocean-Atmosphere Model System MPIOM-REMO	International Journal of Climatology. [Early View] 2025, e8814 DOI: 10.1002/joc.8814

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Tsuruta, Aki; Kuze, Akhiko; Shiomi, Kei; Kataoka, Fumie; Kikuchi, Nobuhiro; Aalto, Tuula; Backman, Leif; Kivimäki, Ella; Tenkanen, Maria K.; McKain, Kathryn; García Rodríguez, Omaira Elena; Hase, Frank; Kivi, Rigel; Morino, Isamu; Ohyama, Hirofumi; Pollard, David F.; Sha, Mahesh Kumar; Strong, Kimberly; Sussmann, Ralf; Te, Yao; Velazco, Voltaire A.; Vrekoussis, Mihalís; Warneke, Thorsten; Zhou, Minqiang; Suto, Hiroshi	Global CH4 Fluxes Derived from JAXA/GOSAT Lower Tropospheric Partial Column Data and the CTE-CH4 Atmospheric Inverse Model	EGUsphere. [Preprint] 2025, 159 DOI: 10.5194/egusphere-2025-159

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[Investigating the applicability of modern widely tunable lasers to laser heterodyne radiometry for atmospheric composition monitoring](#)

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[Aerosol retrievals derived from a low-cost Calitoo sun-photometer taken on board a research vessel](#)

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