

PROCESOS GEOAMBIENTALES Y CAMBIO GLOBAL

INDEXADAS

High temporal variability not trend dominates Mediterranean precipitation

Vicente-Serrano, Sergio M.; Tramblay, Yves; Reig, Fergus; González-Hidalgo, José C.; Beguería, Santiago; Brunetti, Michele; Kalin, Ksenija Cindric; Patalen, Leonardo; Kr,ic, Aleksandra; Lionello, Piero; Lima, Miguel M.; Trigo, Ricardo M.; El-Kenawy, Ahmed M.; Eddenjal, Ali; Türkes, Murat; Koutroulis, Aristeidis; Manara, Veronica; Maugeri, Maurizio; Badi, Wafae; Mathbout, Shifa; Bertalanic, Renato; Bocheva, Lilia; Dabanli, Ismail; Dumitrescu, Alexandru; Dubuisson, Brigitte; Sahabi-Abed, Salah; Abdulla, Fayez; Fayad, Abbas; Hodzic, Sabina; Ivanov, Mirjana; Radevski, Ivan; **Peña-Angulo, Dhais**; Lorenzo-Lacruz, Jorge; Domínguez-Castro, Fernando; Gimeno-Sotelo, Luis; García-Herrera, Ricardo; Franquesa, Magí; Halifa-Marín, Amar; Adell-Michavila, Maria; Noguera, Ivan; Barriopedro, David; Garrido-Perez, Jose M.; Azorin-Molina, Cesar; Andres-Martin, Miguel; Gimeno, Luis; Nieto, Raquel; Llasat, Maria Carmen; Markonis, Yannis; Selmi, Rabeb; Ben Rached, Soumaya; Radovanovic, Slavica; Soubeyroux, Jean-Michel; Ribes, Aurélien; Saidi, Mohamed Elmehtdi; Bataineh, Siham; El Khalki, El Mahdi; Robaa, Sayed; Boucetta, Amina; Alsafadi, Karam; Mamassis, Nikos; Mohammed, Safwan; Fernández-Duque, Beatriz; Cheval, Sorin; Moutia, Sara; Stevkov, Aleksandra; Stevkova, Silvana; Luna, M. Yolanda; Potopová, Vera 4197

Nature 639 8055 658-666

Factor de impacto W.O.S.: 50.5

[10.1038/s41586-024-08576-6](https://doi.org/10.1038/s41586-024-08576-6)

Kinematic inventory of rock glaciers in the Pyrenees based on InSAR and airborne LiDAR data

Guerrero, Jesús; Guerra, Miguel; Yannick, Thiery; **Desir, Gloria**; Colas, Bastien

4921 Remote Sensing of Environment 326 14798 [18 pp.]

Factor de impacto W.O.S.:11.1

[10.1016/j.rse.2025.114798](https://doi.org/10.1016/j.rse.2025.114798)

Integrating DInSAR and detailed mapping for characterizing ground displacement in the Cardona salt extrusion related to diapiric uplift, dissolutional lowering, landsliding and sinkholes

Pérez-Villar, Guillermo; **Gutiérrez, Francisco**; Bausilio, Giuseppe; Di Martire, Diego

1717 Engineering Geology 352 108068 [17 pp.]

Factor de impacto W.O.S.:6.9

[10.1016/j.enggeo.2025.108068](https://doi.org/10.1016/j.enggeo.2025.108068)

Multidecadal changes in hydrological droughts across Sub-Saharan Africa

Peña-Angulo, Dhais; Tramblay, Yves; Vicente-Serrano, Sergio M.; Ekelu, Job; Dieppois, Bastien; El Kenawy, Ahmed

36183 Journal of hydrology. Regional studies 60 102595 [16 pp.]

Factor de impacto W.O.S.: 5.0

[10.1016/j.ejrh.2025.102595](https://doi.org/10.1016/j.ejrh.2025.102595)

Aridity on the rise: Spatial and temporal shifts in climate aridity in Spain (1961-2020)

Beguería, Santiago; Trullenque-Blanco, Víctor; Vicente-Serrano, Sergio M.; **González-Hidalgo, J. Carlos**

2506 International Journal of Climatology e8775 [14 pp.]

Factor de impacto W.O.S.:3.5

[10.1002/joc.8775](https://doi.org/10.1002/joc.8775)

Catalogue and Analysis of Extraordinary Precipitation Events in the Spanish Mainland, 1916-2022

Gonzalez-Hidalgo, José Carlos; Beguería, Santiago; **Peña-Angulo, Dhais**; Trullenque Blanco, Víctor

2506 International Journal of Climatology e8785 [21 pp.]

Factor de impacto W.O.S.:3.5

[10.1002/joc.8785](https://doi.org/10.1002/joc.8785)

Surface karst geomorphology in the Jahani salt extrusion, Zagros Mountains, Iran

Gutiérrez, Francisco; Ilyati, Issa; Zarei, Mehdi

2092 GEOMORPHOLOGY 485 109859 [20 pp.]

Factor de impacto W.O.S : 3.1

[10.1016/j.geomorph.2025.109859](https://doi.org/10.1016/j.geomorph.2025.109859)

Evolution of deep-seated gravitational slope deformation in a deep valley of the Czech Flysch Carpathians

Chalupa, Vladimír; Pánek, Tomáš; Brejný, Michal; **Gutiérrez, Francisco**; Medialdea, Alicia

2092 GEOMORPHOLOGY 470 109545 [16 pp.]

Factor de impacto W.O.S.: 3.1

[10.1016/j.geomorph.2024.109545](https://doi.org/10.1016/j.geomorph.2024.109545)

Diapiric and tectonic geomorphology of the river-damming Jahani salt extrusion associated with the strike-slip Karez Bas Fault, including DInSAR displacement data (Zagros Mountains, Iran)

Gutiérrez, Francisco; Haghighi, Mahmud Haghsheenas; Ilyati, Issa; Motagh, Mahdi; del Val, Miren

2092 GEOMORPHOLOGY 488 Desconocido 109955 [23 pp.]

Factor de impacto W.O.S.: 3.1

[10.1016/j.geomorph.2025.109955](https://doi.org/10.1016/j.geomorph.2025.109955)

Is There a Precipitation Decline in the Mediterranean Region? An Assessment Based on the Scientific Literature

González-Hidalgo, José Carlos; Vicente-Serrano, Sergio M.

2506 International Journal of Climatology 32 pp.

Factor de impacto W.O.S.: 2.8

[10.1002/joc.8918](https://doi.org/10.1002/joc.8918)

Morphometry and spatio-temporal evolution of salt karren

Pérez-Villar, Guillermo; **Gutiérrez, Francisco**; Benito-Calvo, Alfonso; Roqué, Carles

1625 EARTH SURFACE PROCESSES AND LANDFORMS 50 8 e70119 [17 pp.]

Factor de impacto W.O.S.: 2.8

[10.1002/esp.70119](https://doi.org/10.1002/esp.70119)

Spatial patterns of statistical relationship between the North Atlantic Oscillation and the Western Mediterranean Oscillation, and precipitation in Peninsular Spain

Martín-Vide, Javier; **González-Hidalgo, José Carlos**; Moreno-García, M. Carmen; Beguería,

Santiago; Cordobilla, M.J.; Balagué, Xavier; Cuscó, **Eduard**; **Peña-Angulo, Dhais**; Lemus, Marc;

Trullenque, Víctor

659 ATMOSPHERA 39 595-612

Factor de impacto W.O.S.: 1.0

[10.20937/ATM.53490](https://doi.org/10.20937/ATM.53490)

NO INDEXADOS

Spatial and morphometric analysis of a comprehensive dataset of loess sinkholes from a small basin in the Chinese Loess Plateau.

Hu, S., Gutiérrez, F., Zhang, F., Li, S.; Wang, N., Li, X., Wanf, X., Sun, J., Wu; S. (2025). Earth System Science Data, submitted.

[10.5194/essd-2025-644](https://doi.org/10.5194/essd-2025-644)

Spatial-temporal patterns of sinkhole development in the Konya Basin, Türkiye. Implications for susceptibility and time-variant hazard assessment.

Gökkaya, E., TunÇel, E., **Gutiérrez, F.** (2025).

Engineering Geology, 360, 108480.

[10.1016/j.enggeo.2025.108480](https://doi.org/10.1016/j.enggeo.2025.108480)

LSPNet: Automatic Identification and Segmentation of Loess Sinkholes on 3D Point Clouds Using an Enhanced PointNet++. International Journal of Applied Earth Observation and Geoinformation, submitted.

Li, S., Hu, S., Wang, L.; **Gutiérrez, F.**, Sun, J., Zhang, F., Wang, N., Wang, X., Wu, S., Pang, G. **Long-term Mediterranean precipitation is stationary and dominated by high temporal variability.**

Vicente, S., Trambly, Y., Fergus, R., González-Hidalgo JC, et al. (2025).

Nature 573, 256–260

[10.1038/s41586-024-08576-6](https://doi.org/10.1038/s41586-024-08576-6)

Records of past flood in caves of the Central Pyrenees

Bartolomé Úcar, Miguel; Giménez, Reyes; **Pérez-Villar, Guillermo**; Luetscher, Marc; Stoll, Heather; Moreno, Ana; Calle, Mikel; Ballesteros-Cánovas, Juan A.; Benito, Gerardo
38314 Mètode. Annual review 15 6 e30175 [7 pp.]

[10.7203/metode.15.30175](https://doi.org/10.7203/metode.15.30175)

Variabilidad espacial y temporal de las precipitaciones extraordinarias en España (1916-2022)

Peña-Angulo, Dhais; Beguería, Santiago; Trullenque-Blanco, Víctor; **González-Hidalgo, José Carlos** 10263 Geographical Research Letters 51 1 105-126

[10.18172/cig.6634](https://doi.org/10.18172/cig.6634)

Is there daily extreme rainfall increasing in the Mediterranean region? A critical review of the evidences (1980-2024).

Gonzalez-Hidalgo JC, Beguería S,
Earth Science Review (en revision 2md ronda)

[10.1016/j.earscirev.2026.105409](https://doi.org/10.1016/j.earscirev.2026.105409)