

PUBLICATION LIST

Publication of a book, co-edition of 4 books/special issues, 29 book chapters and more than 100 articles in international journals (28 as first author and 45 as second or last author)

Books

Sánchez Goñi, M.F. 1993. *De la taphonomie pollinique à la reconstitution de l'environnement : l'exemple de la région cantabrique*. British Archaeological Reports, International Series 586, Oxford, 207 p.

Co-editor of book and special issues

Landais, A. & **Sánchez Goñi, M.F.** (Coordinatrices, 2017) Q10 Paléoclimats et environnements quaternaires, quoi de neuf sous le soleil ? **Quaternaire** 28 : 135-293.

Sánchez Goñi, M.F. & Harrison, S.P. (Guest Editors, 2010) Vegetation Response to Millennial-scale Variability during the Last Glacial. **Quaternary Science Reviews** Special issue 29: 2823-2980.

Abrantes, F., Ruehlemann, C., **Sánchez Goñi, M.F.** & Voelker, A. (Guest Editors, 2009) Circum-Iberia Paleoceanography and Paleoclimate: What Do We Know? **Geochemistry, Geophysics, Geosystems** 10(4):Q04U04

Sirocko, F., Claussen, M., **Sánchez Goñi, M.F.** & Litt, T. (eds.) *The climate of past interglacials*. Elsevier, Amsterdam, 2007.

Book chapters

29. Naughton, F., **Sánchez Goñi, M.F.**, Toucanne, S. (2023) Quaternary Climate Variability and Periglacial Dynamics. In : Periglacial Landscapes of Europe, Springer, DOI: 10.1007/978-3-031-14895-8_2

28. Naughton, F., **Sánchez Goñi, M.F.**, Landais, A., Rodrigues, T., Vázquez Riveiros, N., Toucanne, S., (2023) Introduction to the Last Deglaciation climate. In : European Glacial Landscapes, Elsevier, DOI: [10.1016/B978-0-323-91899-2.00030-9](https://doi.org/10.1016/B978-0-323-91899-2.00030-9)

27. Naughton, F., **Sánchez Goñi, M.F.**, Landais, A., Vázquez Riveiros, N., Rodrigues, T., Toucanne, S., (2023) The Bølling-Allerød Interstadial. In : European Glacial Landscapes, Elsevier, DOI: [10.1016/B978-0-323-91899-2.00015-2](https://doi.org/10.1016/B978-0-323-91899-2.00015-2)

26. Naughton, F., **Sánchez Goñi, M.F.**, Landais, A., Rodrigues, T., Vázquez Riveiros, N., Toucanne, S., (2023) The Younger Dryas. In : European Glacial Landscapes, Elsevier, DOI: [10.1016/B978-0-323-91899-2.00024-3](https://doi.org/10.1016/B978-0-323-91899-2.00024-3)

25. Naughton, F., Toucanne, S., Landais, A., Rodrigues, T., Vázquez Riveiros, N., **Sánchez Goñi, M.F.** (2023) The Heinrich Stadial 1. In : European Glacial Landscapes, Elsevier, DOI: [10.1016/B978-0-323-91899-2.00049-8](https://doi.org/10.1016/B978-0-323-91899-2.00049-8)

23. Palacios, D., Hughes, P., **Sánchez Goñi, M.F.**, García-Ruiz, J.M., Andrés, N., The termination of the glacial cycles. In : European Glacial Landscapes, Elsevier, doi.org/10.1016/B978-0-323-91899-2.00002-4

22. **Sánchez Goñi, M.F.**, (2022). The climatic and environmental context of the Late Pleistocene. Updating the last Neanderthals, Elsevier. DOI: [10.1016/B978-0-12-821428-2.00017-2](https://doi.org/10.1016/B978-0-12-821428-2.00017-2)

21. Vázquez Riveiros, N., Toucanne, S., Rodrigues, T., Landais, A., Naughton, F., **Sánchez Goñi, M.F.** (2022). Definition of the Last Glacial Cycle marine stages and chronology. European Glacial Landscapes, Elsevier, 171-173.

20. Vázquez-Riveiros, N., Toucanne, S., Naughton, F., Rodrigues, T., **Sánchez Goñi, M.F.** (2022). Ice volume and sea-level changes during Last Glacial Cycle: evidence from marine records. European Glacial Landscapes, Elsevier, 169-170

19. Landais, A., **Sánchez Goñi, M.F.**, Toucanne, S., Rodrigues, T., Naughton, F. (2022) Abrupt climatic variability: Dansgaard–Oeschger events. European Glacial Landscapes, Elsevier, 175-180.

18. Toucanne, S., Naughton, F., Rodrigues, T., Vázquez-Riveiros, N., **Sánchez Goñi, M.F.** (2022). Abrupt (or millennial or suborbital) climatic variability: Heinrich events/stadials. European Glacial Landscapes, Elsevier, 181-187.

17. **Sanchez Goñi, M.F.** (2022) An overview of the Last Glacial Cycle. *European Glacial Landscapes*, Elsevier, 165-169.
16. Toucanne, S., Landais, A., Naughton, F., Rodrigues, T., Vázquez Riveiros, N., **Sánchez Goñi, M.F.** (2022) The Global Last Glacial Maximum: the Eastern North Atlantic (marine sediments) and the Greenland Ice Sheet climatic signal. *European Glacial Landscapes*, Elsevier, 189-194.
15. **Sanchez Goñi, M.F.** (2014). Rapid climatic variability in Europe over the last glacial. *Transitions, ruptures et continuité en Préhistoire*, vol. 2. In : Jaubert, J., Fourment, N. et Depaepe, P. (Inrap). Actes du XXVIIe Congrès préhistorique de France, Société Préhistorique Française, pp : 185-193.
14. d'Errico, F., **Sanchez Goni, M.F.** & Banks, W. (2012) L'impact du dernier maximum glaciaire sur les populations européennes. In : J.F. Berger, *Des climats et des hommes*. Ed. La Découverte. Paris.
13. **Sanchez-Goni M.F.**, d'Errico F., Daniau A.L. (2012) La variabilité climatique rapide de la dernière période glaciaire et l'extinction des Néandertaliens, *Sous la direction de J.-F. Berger. Ed. La Découverte, Paris*.
12. Wolff, E. W., Harrison, S. P., Knutti, R., **Sanchez-Goñi, M. F.**, Wild, O., Daniau, A. L., Masson-Delmotte, V., Prentice, I. C. and Spahni, R. (2012): How has climate responded to natural perturbations?, in: *Understanding the Earth System: An Integrated Approach to Climate Change* edited by: Cornell, S., Downy, C., Page, J. and Prentice, I. C., Cambridge University Press, Cambridge, in review.
11. Valdés, L., Reina, J., Ensunza, R., **Sánchez Goñi, M.F.** y Zapata, L. (2009) Capítulo 2. El territorio de la cuenca hidrográfica del río Oka. In: Valdés, L. *Gastiburu El santuario vasco de la edad del Hierro*. Real Academia de la Historia, Bibliotheca Archaeologica Hispana 29, Madrid.
10. **Sánchez Goñi, M.F.** (2007) Introduction to climate and vegetation in Europe during MIS 5. In : Sirocko, F., Claussen, M., Sánchez Goñi, M.F. & Litt, T. (eds.) *The climate of past interglacials*. Elsevier, p. 197-205.
9. Müller, H. & **Sánchez Goñi, M.F.** (2007). Vegetation dynamics in southern Germany during Marine Isotope Stage 5 (~130,000-70,000 BP). In : Sirocko, F., Claussen, M., Sánchez Goñi, M.F. & Litt, T. (eds.) *The climate of past interglacials*. Elsevier, p. 277-288.
8. Desprat, S., **Sánchez Goñi, M.F.**, Turon, J.-L., Duprat, J., Malaizé, B. & Peypouquet, J.-P. (2007) Climate variability of the last five isotopic interglacials from direct land-sea-ice correlation, In : Sirocko, F., Claussen, M., Sánchez Goñi, M.F. & Litt, T. (eds.) *The climate of past interglacials*. Elsevier, p.375-386.
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5. **Sánchez Goñi, M.F.** & d'Errico, F. (2005) La historia de la vegetación y el clima del último ciclo climático (OIS5-OIS1, 140.000-10.000 años BP) en la Península Ibérica y su posible impacto sobre los grupos paleolíticos. Neandertales cantábricos, estado de la cuestión. Museo de Altamira, Monografías n°20, p. 115-129.
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1. Turner C. & **Sánchez Goñi M.F.** 1997. Late Glacial landscape and vegetation in Epirus. Chapter 29, pp. 559-585. In: *Bailey, G.N. (ed.) Klithi: Paleolithic settlement and Quaternary landscapes in northwest Greece*. Vol. 2. McDonald Institute Monographs, Cambridge.

Selected articles

2023

102. **Sánchez Goñi, M.F.**, Extier, T., Polanco-Martínez, J.M., Zorzi, C., Rodrigues, T., Bahr, A. (in review) Interglacial climates in Eurasia during the ultimate glacial of the Middle Pleistocene Transition. **Nat. Comm.**
101. Girone, A., de Astis, A., Sierro, F.J., Hernández-Almeida, I., Alonso-Garcia, M, **Sánchez Goñi, M.F.**, Maiorano, P., Marino, M., Hodell, D.A. (2023). Planktonic foraminifera response to orbital and millennial-scale climate variability at the southern Iberian Margin (IODP Site U1385) during Marine Isotope Stages 20 and 19. *Palaeogeography, Palaeoclimatology, Palaeoecology* 615, <https://doi.org/10.1016/j.palaeo.2023.111450>

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100. Hes, G., **Sanchez Goñi, M.F.**, Bouttes, N. (2022). Impact of terrestrial biosphere on the atmospheric CO₂ concentration across Termination V. **Clim. Past**, 18, 1429–1451, <https://doi.org/10.5194/cp-18-1429-2022>, 2022
99. Fourcade, T., **Sanchez Goñi, M.F.**, Lahaye, C., Rossignol, L., Philippe, A. (accepted, 2022). Environmental changes in SW France during the Middle-to-Upper Palaeolithic transition from the pollen analysis of an eastern North Atlantic deep-sea core. *Quaternary Research*
98. **Sanchez Goñi, M.F.** (2022). Pollen: a key tool to understand climate, vegetation and human evolution. *Progress in Botany*, 84.

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97. Genet, M., Daniau, A.-L., Mouillot, F., Hanquiez, V., Schmidt, S., David, V., Georget, M., Abrantes, F., Anschutz, P., Bassinot, F., Bonnin, J., Dennielou, B., Eynaud, F., Hodell, D.A., Mulder, T., Naughton, F., Rossignol, L., Tzedakis, P.C., **Sanchez Goñi, M.F.** (2021) Modern relationships between microscopic charcoal in marine sediments and fire regimes on adjacent landmasses to refine the interpretation of marine paleofire records: An Iberian case study. **Quaternary Science Reviews** doi.org/10.1016/j.quascirev.2021.107148
96. Salonen, JS, **MF Sánchez-Goñi**, H Renssen, A Pliikk (2021) Contrasting northern and southern European winter climate trends during the Last Interglacial. **Geology**, doi.org/10.1130/G49007.1
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94. **Sánchez Goñi, M.F.**, Fourcade, T., Salonen, S., Lesven, J., Frigola, J., Swingedouw, D., Sierro, F.J (2021). Muted cooling and drying of NW Mediterranean in response to the strongest last glacial North American ice surges. **Bulletin of the Geological Society of America** 133, 451-460.

2020

93. **Sánchez Goñi, M.F.** (2020) Regional impacts of climate change and its relevance to human evolution. **Evolutionary Human Sciences** 2, doi:10.1017/ehs.2020.56
92. Oliveira, Dulce; Desprat, Stephanie; Yin, Qiuzhen; Rodrigues, Teresa; Naughton, Filipa; Trigo, Ricardo M.; Su, Qianqian; Grimalt, Joan O.; Alonso-Garcia, Montserrat; Voelker, Antje H. L.; Abrantes, F., **Sanchez Goni, M. F.** (2020) Combination of insolation and ice-sheet forcing drive enhanced humidity in northern subtropical regions during MIS 13. **Quaternary Science Reviews** 247, 106573.
91. Bouttes, N., Vazquez Riveiros, N., Govin, A., Swingedouw, D., **Sanchez Goñi, M.F.**, Crosta, X., Roche, D. M. (2020) Carbon 13 Isotopes Reveal Limited Ocean Circulation Changes Between Interglacials of the Last 800 ka. **Paleoceanography and Paleoclimatology** 35, e2019PA003776

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