

PUBLICATION LIST

Publication of a book, co-edition of 4 books/special issues, 15 book chapters and more than 80 articles in international journals (24 as first author and 36 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.

Sanchez 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., **Sanchez Goñi, M.F.** & Voelker, A. (Guest Editors, 2009) Circum-Iberia Paleooceanography 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

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.
7. Loutre, M.F., Berger, A., Crucifix M., Desprat, S. & **Sánchez Goñi, M.F.** (2007) Interglacials as simulated by MoBidiC and the LLN 2-D NH climate models, In : Sirocko, Claussen, M. F., Sánchez Goñi, M.F. & Litt, T. (eds.) *The climate of past interglacials*. Elsevier, p. 547-562.

6. d'Errico, F., **Sánchez Goñi, M.F.** & Vanhaeren, M. (2006). L'impact de la variabilité climatique rapide des OIS3-2 sur le peuplement de l'Europe. In : *L'homme face au climat*. Odile Jacob, Paris.
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 nº20, p. 115-129.
4. **Sánchez Goñi, M.F.** (2004) Cambios climáticos y evolución del paisaje vegetal. *Historia del País Vasco*, vol. Prehistoria. Editorial LUR, San Sebastián.
3. Crucifix, M. & **Sánchez Goñi, M.F.** (2004) About climate, vegetation and astronomical forcing. Milutin Milankovitch Anniversary Symposium: Paleoclimate and the Earth Climate System, Serbian Academy of Sciences and Arts, Belgrade, Scientific meetings vol. CX, 161-172.
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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

2019

89. Waelbroeck, C, Bryan C Lougheed, Natalia Vazquez Riveiros, Lise Missiaen, Joel Pedro, Trond Dokken, Irka Hajdas, Lukas Wacker, Peter Abbott, Jean-Pascal Dumoulin, François Thil, Frédérique Eynaud, Linda Rossignol, Wiem Fersi, Ana Luiza Albuquerque, Helge Arz, William EN Austin, Rosemarie Came, Anders E Carlson, James A Collins, Bernard Dennielou, Stéphanie Desprat, Alex Dickson, Mary Elliot, Christa Farmer, Jacques Giraudeau, Julia Gottschalk, Jorijntje Henderiks, Konrad Hughen, Simon Jung, Paul Knutz, Susana Lebreiro, David C Lund, Jean Lynch-Stieglitz, Bruno Malaizé, Thomas Marchitto, Gema Martínez-Méndez, Gesine Mollenhauer, Filipa Naughton, Silvia Nave, Dirk Nürnberg, Delia Oppo, Victoria Peck, Frank JC Peeters, Aurélie Penaud, Rodrigo da Costa Portilho-Ramos, Janne Repschläger, Jenny Roberts, Carsten Rühlemann, Emilia Salgueiro, **Maria Fernanda Sanchez Goñi**, Joachim Schönfeld, Paolo Scussolini, Luke C Skinner, Charlotte Skonieczny, David Thornalley, Samuel Toucanne, David Van Rooij, Laurence Vidal, Antje HL Voelker, Mélanie Wary, Syee Weldeab, Martin Ziegler (2019) Consistently dated atlantic sediment cores over the last 40 thousand years. **Scientific data** 6, 1-12.
88. Polanco-Martínez, Josué M., Martin A. Medina-Elizalde, **Maria Fernanda Sanchez Goñi**, Manfred Mudelsee. BINCOR: An R package for Estimating the Correlation between Two Unevenly Spaced Time Series *The R-journal*
87. Naughton, F, S Costas, SD Gomes, S Desprat, T Rodrigues, **MF Sanchez Goñi**, H Renssen, R Trigo, C Bronk-Ramsey, D Oliveira, E Salgueiro, AHL Voelker, F Abrantes (2019) Coupled ocean and atmospheric changes during Greenland stadial 1 in southwestern Europe. **Quaternary Science Reviews** 212,108-120.
86. **Sánchez Goñi, M.F.**, Ferretti, P., Polanco-Martinez, J.M., Rodrigues, T., Alonso-Garcia, M., Rodriguez-Tovar, F.J., Dorador, J., Desprat, S. (2019). Pronounced northward shift of the westerlies during MIS 17 leading to the strong 100-kyr ice age cycles. **Earth and Planetary Science Letters** 511, 117-129.

2018

85. Fischer, H, KJ Meissner, AC Mix, NJ Abram, J Austermann, V Brovkin, E Capron, D Colombaroli, AL Daniau, KA Dyez, T Felis, SA Finkelstein, SL Jaccard, ER McClymont, A Rovere, J Sutter, EW Wolff, S Affolter, P Bakker, JA Ballesteros-Cánovas, C Barbante, T Caley, AE Carlson, O Churakova, G Cortese, BF Cumming, BAS Davis, A de Vernal, J Emile-

Geay, SC Fritz, P Gierz, J Gottschalk, MD Holloway, F Joos, M Kucera, MF Loutre, DJ Lunt, K Marcisz, JR Marlon, P Martinez, V Masson-Delmotte, C Nehrbass-Ahles, BL Otto-Bliesner, CC Raible, B Risebrobakken, **MF Sánchez Goñi**, J Saleem Arrigo, M Sarnthein, J Sjolte, TF Stocker, Velasquez Álvarez, W Tinner, PJ Valdes, H Vogel, H Wanner, Q Yan, Z Yu, M Ziegler, L Zhou, (2018) Palaeoclimate constraints on a world with post-industrial warming of 2 degrees and beyond. *Nature Geoscience*, <https://doi.org/10.1038/s41561-018-0146-0>

84. Bouttes, N., Swingedouw, D., Roche, D. M., **Sanchez-Goni, M. F.**, Crosta, X. (2018, in press). Response of the carbon cycle to the different orbital configurations of the last 9 interglacials. **The Climate of the Past**
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82. Oliveira, D., Desprat, S., Yin, Q., Naughton, F., Trigo, R., Rodrigues, T., Abrantes, F., **Sánchez Goñi, M.F.** (2017). Unraveling the forcings controlling the vegetation and climate of the best orbital analogues for the present interglacial in SW Europe. **Climate Dynamics**, doi:10.1007/s00382-017-3948-7
81. **Sánchez Goñi, M.F.**, Desprat, S., Daniau, A.-L., Bassinot, F., Polanco-Martinez, J.M., Harrison, S.P. and ACER contributors (2017). The ACER pollen and charcoal database : a global resource to document vegetation and fire response to abrupt climate changes during the last glacial period. **Earth System Science Data**, 9, 679-695.
80. d'Errico, F., Banks, W.E., Warren, D.L., Sgubin, G., van Niekerk, K., Henshilwood, C., Daniau, A.-L., **Sánchez Goñi, M.F.** (2017). Identifying early modern human ecological niche expansions and associated cultural dynamics in the South African Middle Stone Age. **PNAS**, 114, 7869-7876.
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77. Oliveira, D., **Sánchez Goñi, M.F.**, Naughton, F., Polanco-Martínez, J.M., Jimenez-Espejo, F.J., Grimalt, J.O., Martrat, B., Voelker, A.H.L., Trigo, R., Hodell, D., Abrantes, F., Desprat, S. (2017). Unexpected weak seasonal climate in the western Mediterranean region in response to MIS 31, a high-insolation forced interglacial. **Quaternary Science Reviews**, 161, 1-17.

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75. **Sánchez Goñi, M.F.**, Rodrigues, T., Hodell, D.A., Polanco-Martinez, J.M., Alonso-Garcia, M., Hernandez-Almeida, I., Desprat, S., Ferretti, P. (2016) Tropically-driven climate shifts in southwestern Europe during MIS 19, a low excentricity interglacial. **Earth and Planetary Science Letters** 448, 81-93.
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70. Naughton, F., **Sánchez Goñi, M.F.**, Rodrigues, T., Salgueiro, E., Costas, S., Desprat, S. Duprat, J., Michel, E., Rossignol, L., Zaragosi, S., Voelker, A.H.L., Abrantes, F. (2015) Climate variability across the last deglaciation in NW Iberia and its margin. **Quaternary International**. doi: [10.1016/j.quaint.2015.08.073](https://doi.org/10.1016/j.quaint.2015.08.073).
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