# Complete list of publications

**52.** Xavier S., Ledru M-P, **Bremond L.,** Favier C., Araújo F. In Press Millennial-scale variability of vegetation and fire activity in a northern Cerrado driven by an east-west rainfall gradient during the Holocene. The Holocene. (IF 2,4)

**51.** d’Oliveira, L., Dugerdil, L., Ménot, G., Evin, A., Muller, S.D., Ansanay-Alex, S., Azuara, J., Bonnet, C., **Bremond, L.**, Shah, M., Peyron, O., 2023. Reconstructing 15\,000 years of southern France temperatures from coupled pollen and molecular (branched glycerol dialkyl glycerol tetraether) markers (Canroute, Massif Central). Clim. Past 19, 2127–2156. (IF 4,2)

**50.** Montade, V., **Bremond, L.,** Teixeira, H., Kasper, T., Daut, G., Rasoamanana, E., Ramavovolona, P., Favier, C., Arnaud, F., Radespiel, U., Behling, H., 2023. Montane rain forest dynamics under changes in climate and human impact during the past millennia in northern Madagascar. bioRxiv, 2023.06. 07.544115 (Accepted in Royal Society Open Science).

**49.** Assessing changes in global fire regimes SS Sayedi, et al. 2024. *Fire Ecology* 20: 18.

**48.** Crifò, C., Berrio, J.C., Boom, A., Giraldo-Cañas, D.A., **Bremond, L.**, 2023. A paleothermometer for the northern Andes based on C3–C4 grass phytoliths. Paleobiology 1–17. (IF 2,7)

**47.** Reinhardt, A.L., Kasper, T., Lochner, M., Bliedtner, M., Krahn, K.J., Haberzettl, T., Shumilovskikh, L., Rahobisoa, J.-J., Zech, R., Favier, C., Behling, H., **Bremond, L.**, Daut, G., Montade, V., 2022. Rain Forest Fragmentation and Environmental Dynamics on Nosy Be Island (NW Madagascar) at 1300 cal BP Is Attributable to Intensified Human Impact. Frontiers in Ecology and Evolution. 9. (IF 3)

**46.** Teixeira, H., Montade, V., Salmona, J., Metzger, J., **Bremond, L.,** Kasper, T., Daut, G., Rouland, S., Ranarilalatiana, S., Rakotondravony, R., Chikhi, L., Behling, H., & Radespiel, U. 2021. Past environmental changes affected lemur population dynamics prior to human impact in Madagascar. Communications Biology 4: 1–10. (IF 5,9)

**45.** **Bremond, L.,** Oslisly, R., Sebag, D., Bentaleb, I., Favier, C., Henga-Botsikabobe, K., Mvoubou, M., Ngomanda, A., & de Saulieu, G. 2021. Establishment and functioning of the savanna marshes of the Lopé National Park in Gabon since the termination of the African humid period and the arrival of humans 2500 years ago. The Holocene 31: 1186–1196. (IF 2,4)

**44.** Bodin S, Feiss T, Molino J and **Bremond L.** (2021) Assessment of the efficiency of three sampling methods for the recovery of soil charcoals in tropical anthropogenic sites. Quaternary International 595: 145–154. (IF 2,4)

**43.** Gomes Barroso FR, Gomes V dos S, Carvalho CE, Ledru MP, Favier C, Araújo FS, **Bremond L**. (2021) Phytoliths from soil surfaces and water reservoirs of the Brazilian semi-arid Caatinga. Journal of South American Earth Sciences 108: 103180. (IF 2,9)

**42**. Ledru, M.-P., Jeske-Pieruschka, V., **Bremond, L.,** Develle, A.-L., Sabatier, P., Martins, E.S.P.R., de Freitas Filho, M.R., Fontenele, D.P., Arnaud, F., Favier, C., Barroso, F.R.G., Araújo, F.S., 2020. When archives are missing, deciphering the effects of public policies and climate variability on the Brazilian semi-arid region using sediment core studies. Science of the Total Environment. 723, 137989. (IF 10,7)

**41.** Vélez, M.I., MacKenzie, K., Boom, A., **Bremond, L.**, Gonzalez, N., Carr, A.S., & Berrio, J.C. 2020. Lacustrine responses to middle and late Holocene anthropogenic activities in the northern tropical Andes. Journal of Paleolimnology 65, 123-136. (IF 2,1)

**40.** Henga-Botsikabobe, K., Ngomanda, A., Oslisly, R., Favier, C., Muller, S.D., **Bremond, L**. (2020). Modern pollen–vegetation relationships within tropical marshes of Lopé National Park (Central Gabon). Review of Palaeobotany and Palynology 275: 104168. (IF 2)

**39.** Bodin S.C, Molino J.F, Odonne G., **Bremond L.** (2020). Unraveling pre-Columbian occupation patterns in the tropical forests of French Guiana using an anthracological approach. Vegetation History and Archaeobotany 29 (5):567-580. (IF 2,6)

**38.** Daniau, A.-L., Desprat, S., Aleman, J.C., **Bremond, L.**, Davis, B., Fletcher, W., Marlon, J.R., Marquer, L., Montade, V., Morales-Molino, C., Naughton, F., Rius, D., & Urrego, D.H. (2019). Terrestrial plant microfossils in palaeoenvironmental studies, pollen, microcharcoal and phytolith. Towards a comprehensive understanding of vegetation, fire and climate changes over the past one million years *Revue de Micropaléontologie* 63: 1–35 (IF 0,4)

**37.** Bodin S.C., Scheel-Ybert R., Beauchêne J., Molino J-F. and **Bremond L.** (2019). CharKey: An electronic identification key for wood charcoals of French Guiana. IAWA journal 40(1):1-17. (IF 2)

**36**. Limier, B., Ivorra, S., Bouby, L., Figueira, I., Chabal, L., Cabanis, M., Atere, M., -Lacombe, T., Ros, J., **Bremond, L.**, Terral, J-F. (2018) Documenting the history of the grapevine and viticulture: A quantitative eco-anatomical perspective applied to modern and archaeological charcoal. Journal of Archeological Science. 100 45-61. (IF 3,5)

**35.** Montade, V., Schüler, L., Hemp, A., **Bremond, L.**, Duarte, A.M.S, Behling, H. (2018). Late Quaternary ecotone change between subalpine and montane forest zone on the dry northern slope of Mount Kilimanjaro. Journal of Vegetation Science. **29** 459-468. (IF 3,4)

**34. Bremond, L**., Favier, C., Ficetola, G.F., Tossou, M.G., Akouégninou, A., Gielly, L., Giguet-Covex, C., Oslisly, R., Salzmann, U., 2017. Five thousand years of tropical lake sediment DNA records from Benin. Quaternary Science Reviews. 170, 203–211. (IF 4,2)

**33**. Morin-Rivat, J., Fayolle, A., Favier, C., **Bremond, L.**, Gourlet-Fleury, S., Bayol, N., Lejeune, P., Beeckman, H., Doucet, J.-L., (2017). Present-day central African forest is a legacy of the 19th century human history. Elife 6, e20343. (IF 8,7)

**32**. Aleman, J. C., Blarquez, O., Gourlet-Fleury, S., **Bremond, L., &** Favier, C. (2017). Tree cover in Central Africa: determinants and sensitivity under contrasted scenarios of global change. *Scientific Reports*, *7*, 41393. (IF 5)

**31.** **Bremond, L.,** Bodin, S. C., Bentaleb, I., Favier, C., & Canal, S. (2017). Past tree cover of the Congo Basin recovered by phytoliths and δ 13 C along soil profiles. *Quaternary International*, *434*, 91-101. (IF 2,4)

**30.** Obame, V.N., M’Voubou, M.M., Sebag, D., Oslisly, R., **Bremond, L.**, Mounguengui, M.M., Giresse, P. (2017). Le rôle de l’évolution des paysages holocènes dans le comblement des bas-fonds du Parc national de la Lopé, moyenne vallée de l’Ogooué au Gabon. Bois et Forêts des Tropiques. 333, 67–77. (IF 0,8)

**29.** Montade V., Jeferson Sampaio Diogo I., **Bremond L.,** Favier C., Ribeiro da Costa, I., Ledru MP., Paradis L., Sávio Passos Rodrigues Martins E., Burte J., Hilder Magalhães e Silva F., Franco Verola C. (2016). Pollen-based characterization of montane forest types in north-eastern Brazil. Pollen-based characterization of montane forest types in north-eastern Brazil. *Review of Palaeobotany and Palynology*, *234*, 147-158. (IF 1,9)

**28.** Aleman J. C., Subitani S., Favier C., **Bremond L.** Influence of the local environment on lake sedimentary phytolith records (2014). *Palaeogeography, Palaeoclimatology, Palaeoecology* 414, 273-283. (IF 3,6)

***27.***Dezileau L., Terrier B. Berger J. F., Blanchemanche P., Latapie, A., Freydier R., **Bremond L.**, Paquier A., Lang M., Delgado J.L. (2014)A multidating approach applied to historical slackwater flood deposits of the Gardon River, SE France*. Geomorphology. 214, 56-68.* (IF 4,4)

**26**. Morin-Rivat J., Fayolle A., Gillet J-F., Bourland N., Gourlet-Fleury S., Oslisly R., **Bremond L**., Bentaleb I., Beeckman H., Doucet J-L. (2014) New evidence of human activities during the Holocene in the lowland forests of the northern Congo Basin. *Radiocarbon,* ***56****, vol. 1, 209-220.* (IF 6,3)

**25**. Lim S., Ledru, M-P. Valdez F., Devillers B., Hougnon A., Favier C. **Bremond L.** Ecological effects of natural hazards and human activities on the Ecuadorian Pacific coast during the late Holocene. (2014) Palaeogeography, Palaeoclimatology, Palaeoecology, 415, 197-209. (IF 3,6)

**24**. Aleman J. C., Blarquez O., Bentaleb I., Bonté P., Brossier B., Carcaillet C., Gond V., Gourlet-Fleury S., Kpolita A., Lefèvre I., Oslisly R., Power M., Yongo O., **Bremond L.,** & Favier C. (2013) Tracking land-cover changes with sedimentary charcoal in the Afrotropics. *The Holocene,* **23**, 1853-1862. (IF 3,1)

**23**. Aleman J., Saint-Jean A., Leys B., Carcaillet C., Favier C. **&** **Bremond L.** (2013). Estimating phytolith influx in lake sediments. Quaternary Research, 80, 341-347. (IF 2,8)

**22**. Ledru M-P., Jomelli V., **Bremond L.**, Ortuño T., Cruz P., Bentaleb I., Sylvestre F., Kuentz A., Beck S., Martin C., Paillès C., Subitani S. Evidence of moist niches in the Bolivian Andes during the mid-Holocene arid period. The Holocene, **23**, 11, 1547-1559. (IF 3,1)

**21.** Oris F., Lamentowicz M., Genries A. L., Mourier B., Blarquez O., Ali A., **Bremond L.,** Carcaillet C. (2013) Holocene changes in climate and land use drove shifts in the diversity of testate amoebae in a subalpine pond. *Journal of Paleolimnology*, 1-14. (IF 2,3)

**20.** Ali A. A., Blarquez O., Girardin M. P., Hély C., Tinquaut F., El Guellab A., Valsecchi V., Terrier A., **Bremond L.,** Genries A. (2012) Control of the multimillennial wildfire size in boreal North America by spring climatic conditions. *Proceedings of the National Academy of Sciences,* **109**, 20966-20970. (IF 11,1)

**19**. **Bremond, L.**, Boom, A. and Favier, C. (2012), Neotropical C3/C4 grass distributions – present, past and future. Global Change Biology. 18, 2324-2334. (IF 13,2)

**18.** Aleman J., Leys B., Apema R., Bentaleb I., Dubois M. A., Lamba B., Lebamba J., Martin C., Ngomanda A., Truc L., Yangakola J.-M., Favier C. & **Bremond L.** (2012) Reconstructing savanna tree cover from pollen, phytoliths and stable carbon isotopes. *Journal of Vegetation Science,* **23**, 187-197. (IF 3,4)

**17.** Favier C., Aleman J., **Bremond L.**, Dubois M. A., Freycon V., Yangakola J.-M. (2012) Abrupt shifts in African savanna tree cover along a climatic gradient. *Global Ecology and Biogeography* **21**(8): 787-797. (IF 6,9)

**16.** **Bremond L.**, Carcaillet C., Favier C., Ali A.A., Paitre C., Bégin Y., Bergeron Y., Richard P.J.H. (2010) Effects of vegetation type and climatic changes on fire-induced atmospheric carbon emissions: a model based on paleodata. International Journal of Wildland Fire 19(8), 1015-1025. (IF 3,4)

**15.** Blarquez, O., **Bremond**, **L.,** Carcaillet, C. (2010) Holocene fires and a herb-dominated understorey track wetter climates in subalpine forests. Journal of Ecology 98(6): 1358-1368. (IF 5,4)

**14.** Opfergelt S., Cardinal D., André L., Delvigne C., **Bremond L**., Delvaux B. (2010) Variations of d30Si and Ge/Si with weathering and biogenic input in tropical basaltic ash soils under monoculture. Geochimica Et Cosmochimica Acta, 74, 225-240. (IF 5,9)

**13.** Blarquez O, Carcaillet C, **Bremond L**, Mourier B, Radakovitch O (2009) Trees in the subalpine belt since 11 700 cal. BP: origin, expansion and alteration of the modern forest. The Holocene, 20 (1), 139-146. (IF 3,1)

**12**. WoldeGabriel G, Ambrose SH, Barboni D, Bonnefille R, **Bremond L**, Currie B, DeGusta D, Hart WK, Murray AM, Renne PR, Jolly-Saad MC, Stewart KM, White TD (2009) The Geological, Isotopic, Botanical, Invertebrate, and Lower Vertebrate Surroundings of Ardipithecus ramidus. Science 326, 65-655. (IF 47,8)

**11**. Barboni D, **Bremond L** (2009) Phytoliths of East African grasses: An assessment of their environmental and taxonomic significance based on floristic data. *Review of palaeobotany and palynology* **158**, 29-41. (IF 2)

**10**. Alexandre A. and **Bremond L.** 2009. Comment to the paper: "Methodological concerns for analysis of phytolith assemblages: Does count size matter?" from C. A.E. Stromberg, **Quaternary International**, 193, 141-142. (IF 2,4)

**9**. Carcaillet C., Ali A.A., Blarquez O., Genries A., Mourier B., and **Bremond L.** (2009) Spatial variability of fire history in subalpine forests: from natural to cultural regimes. Ecoscience 16(1). (IF 1,3)

**8. Bremond, L**., Alexandre, A., Peyron, O. & Guiot, J. (2008) Definition of grassland biomes from phytoliths in West Africa. *Journal of Biogeography,* **35**, 2039-2048. (IF 4,8)

**7. Bremond, L.**, Alexandre, A., Wooller, M. J., Hély, C., Schäfer, P. A., Majule, A. & Guiot, J. (2008) Phytolith indices as proxies of grass subfamilies on East African tropical mountains. *Global and Planetary Change,* 61, 209-224. (IF 5)

**6.** Barboni, D., **Bremond, L.** and Bonnefille, R., 2007. Comparative study of modern phytolith assemblages from inter-tropical Africa. Palaeogeography Palaeoclimatology Palaeoecology, 246: 454-470. (IF 3,6)

**5.** Vincens A., **Bremond L.**, Buchet, G., Guiot, J. 2006. Modern pollen-based biome reconstructions in East Africa including new data from southern Tanzania. *Review of Palaeobotany and Palynology* (140) 187–212. (IF 1,9)

**4.** Hély, C., **Bremond, L.**, Alleaume, S., Smith, B., Sykes, M.T. & Guiot, J. 2006. Sensitivity of African biomes to changes in the precipitation regime. *Global Ecology and Biogeography*. (15), 258–270. (IF 6,9)

**3**. **Bremond, L.**, Alexandre, A., Hély, C. Guiot, J., 2005. A phytolith index as a proxy of tree cover density in tropical areas: calibration with Leaf Area Index along a forest-savanna transect in southeastern Cameroon. *Global and Planetary Change*, 45(4): 277-293. (IF 5)

**2**. **Bremond, L.**, Alexandre, A., Peyron, O. Guiot, J., 2005. Grass water stress estimated from phytoliths in West Africa. *Journal of Biogeography*, 32(2): 311-327. (IF 4,8)

**1**. **Bremond, L.**, Alexandre, A., Vela, E., Guiot, J., 2004. Advantages and disadvantages of phytolith analysis for the reconstruction of Mediterranean vegetation: an assessment based on modern phytolith, pollen and botanical data (Luberon, France). *Review of Palaeobotany and Palynology*, 129(4): 213-228. (IF 2)