Liste complète des publications scientifiques – m.à.j. : 20 août 2025

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Liste complète des publications d'articles publiés dans des revues avec comité de lecture :

- **Nom de l'étudiant(e) de Master** qui a mené tout ou partie de l'étude que j'ai dirigée
- **Nom du ou de la doctorant(e)** qui a mené l'étude lors de sa thèse que j'ai dirigée, (direction ou co-direction) ou pour laquelle ma contribution comme encadrant était très conséquente,
- **Nom du ou de la postdoctorant(e)** qui a mené l'étude dont j'ai porté le projet.

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1. Koufos, G. D., Grohé, C., de Bonis, L., **Moutrille, L.**, Costeur, L., Surault, J., ... & **Merceron, G.** (2025). Felines from the middle Villafranchian (Early Pleistocene) mammal fauna of Dafnero 3, Greece. Hist. Biol., 1-20. https://doi.org/10.1080/08912963.2025.2524712
2. Hullot, M., Robinet, C., Vautrin, Q., Tabuce, R., Antoine, P. O., **Merceron, G.**, & Lihoreau, F. (2025). Evolution of dietary preferences of the Lophiodontidae (Mammalia, Perissodactyla) from Southern France. Palaeogeogr., Palaeoclimatol., Palaeoecol., 113076. https://doi.org/10.1016/j.palaeo.2025.113076
3. **Louail, M.**, Souron, A., **Merceron, G.**, & Boisserie, J. R. (2025). New insights on feeding habits of *Kolpochoerus* van Hoepen & van Hoepen, 1932 from the Shungura Formation (Lower Omo Valley, Ethiopia) using dental microwear texture analysis. C.R Palevol, *24*(7), 89-122. https://doi.org/10.5852/cr-palevol2025v24a7

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4. **Thiery, G.**, Francisco, A., **Louail, M.**, & **Merceron, G.** (2023). nialsiG/trident: Trident 1.3.8 (trident). Zenodo. https://doi.org/10.5281/zenodo.8402605
5. **Thiery, G.**, Francisco, A., **Louail, M.**, Berlioz, E., Blondel, C., Brunetière, N., ... & Merceron, G. (2024). Introducing 'trident': a graphical interface for discriminating groups using dental microwear texture analysis. *Peer Community Journal*, *4*. https://doi.org/10.24072/pcjournal.467
6. Hofman-Kamińska, E., **Merceron, G.**, Bocherens, H., Boeskorov, G. G., Krotova, O. O., Protopopov, A. V., ... & Kowalczyk, R. (2024). Was the steppe bison a grazing beast in Pleistocene landscapes?. *Royal Soc. Open Sci.*, *11*(8), 240317. https://doi.org/10.1098/rsos.240317
7. **Alifieri, E.**, Berlioz, E., Gkeme, A. G., Kostopoulos, D. S., & Merceron, G. (2024). Tooth wear analyses track niche partitioning at Gerakarou, a 1.8 Ma old site from Greece. *Quat. Sci. Rev.*, *334*, 108712. https://doi.org/10.1016/j.quascirev.2024.108712
8. **Pallas, L.**, Daver, G., **Merceron, G.**, Boisserie, J.-R., 2024. Postcranial anatomy of the long bones of colobines (Mammalia, Primates) from the Plio-Pleistocene Omo Group deposits (Shungura Formation and Usno Formation, 1967-2018 field campaigns, Lower Omo Valley, Ethiopia). PCI Paleontology https://doi.org/10.31233/osf.io/bwegt

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9. **Plastiras, C. A.**, **Thiery, G.**, Guy, F., Alba, D. M., Nishimura, T., Kostopoulos, D. S., & **Merceron, G**. (2023). Investigating the dietary niches of fossil Plio-Pleistocene European macaques: The case of *Macaca majori* Azzaroli, 1946 from Sardinia. J. Hum. Evol. , *185*, 103454. https://doi.org/10.1016/j.jhevol.2023.103454
10. Dodat, P. J., Martin, J. E., Olive, S., Hassler, A., Albalat, E., Boisserie, J. R., ... & Balter, V. (2023). Limits of calcium isotopes diagenesis in fossil bone and enamel. Geochim. Cosmochim. Acta, *351*, 45-50. https://doi.org/10.1016/j.gca.2023.04.012
11. **Merceron, G.**, Tütken, T., & Scott, R. (2023). Editorial Preface to Special Issue: Understanding dental proxies of ancient diets. Palaeogeogr., Palaeoclimatol., Palaeoecol., *621*, 111589. https://doi.org/10.1016/j.palaeo.2023.111589
12. **Hullot, M.**, Antoine, P. O., Spassov, N., Koufos, G. D., & **Merceron, G.** (2023). Late Miocene rhinocerotids from the Balkan-Iranian province: ecological insights from dental microwear textures and enamel hypoplasia. Hist. Biol. *35*(8), 1417-1434. https://doi.org/10.1080/08912963.2022.2095910
13. **Hullot, M.**, **Merceron, G.**, & Antoine, P. O. (2023). Spatio-temporal diversity of dietary preferences and stress sensibilities of early and middle Miocene Rhinocerotidae from Eurasia: impact of climate changes. Peer Community Journal, *3*. https://doi.org/10.24072/pcjournal.222
14. Posth, C., Yu, H., Ghalichi, A., Rougier, H., Crevecoeur, I., Huang, Y., ... & Krause, J. (incluant **Merceron, G.)**, 2023. Palaeogenomics of Upper Palaeolithic to Neolithic European hunter-gatherers. Nature, 615(7950), 117-126. https://doi.org/10.1038/s41586-023-05726-0
15. **Pallas, L.**, Daver, G., **Merceron, G.**, & Boisserie, J. R., 2023. The anatomy of the hindlimb of *Theropithecus brumpti* (Cercopithecidae, Papionini): Morphofunctional implications. J. Hum. Evol., 178, 103333. https://doi.org/10.1016/j.jhevol.2023.103333
16. Le Maître, A., Guy, F., **Merceron, G.**, Kostopoulos, D.S., 2023. Morphology of the bony labyrinth supports the affinities of *Paradolichopithecus* with the Papionina. Int. J. Primatol. https://doi.org/10.1007/s10764-022-00329-4

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17. **Berlioz, E.**, Leduc, C., Hofman-Kamińska, E., Bignon-Lau, O., Kowalczyk, R., **Merceron, G.**, 2022. Dental microwear foraging ecology of a large browsing ruminant in Northern Hemisphere: The European moose (*Alces alces*). Palaeogeogr., Palaeoclimatol., Palaeoecol., 586, 110754. https://doi.org/10.1016/j.palaeo.2021.110754
18. **Plastiras, C. A.**, **Thiery, G.**, Guy, F., Kostopoulos, D. S., Lazzari, V., & **Merceron, G.** (2022). Feeding ecology of the last European colobine monkey, *Dolichopithecus* ruscinensis. J. Hum. Evol., *168*, 103199. https://doi.org/10.1016/j.jhevol.2022.103199
19. **Isarankura Na Ayudhya, J.**, **Merceron, G.**, Wannaprasert, T., Jaeger, J. J., Chaimanee, Y., Shoocongdej, R., & Suraprasit, K. (2022). Dental mesowear and microwear for the dietary reconstruction of Quaternary Southeast Asian serows and gorals. Frontiers Ecol. Evol., *10*, 1000168. https://doi.org/10.3389/fevo.2022.1000168
20. Neaux, D., **Louail, M.**, Ferchaud, S., Surault, J., & **Merceron, G.** (2022). Experimental assessment of the relationship between diet and mandibular morphology using a pig model: New insights for paleodietary reconstructions. Anat. Rec., *305*(11), 3150-3160. https://doi.org/10.1002/ar.24895

21. Blondel, C., **Merceron, G.**, Rowan, J., Surault, J., & Boisserie, J. R. (2022). Dietary ecology of Reduncini (Bovidae) from the Shungura Formation, Lower Omo Valley, Ethiopia. Palaeogeogr. Palaeoclimatol. Palaeoecol., *587*, 110789. https://doi.org/10.1016/j.palaeo.2021.110789
22. **Orlandi-Oliveras, G.**, Köhler, M., Clavel, J., Scott, R., Mayda, S., Kaya, T., & **Merceron, G.** (2022). Feeding strategies of circum-Mediterranean hipparionins during the late Miocene: exploring dietary preferences related to size through dental microwear analysis. Palaeontol. Electron., *25*(1), a13. https://doi.org/10.26879/990
23. **Robinet, C.**, **Merceron, G.**, Catzeflis, F., Candela, A. M., & Marivaux, L. (2022). About inter-and intra-specific variability of dental microwear texture in rodents: Study of two sympatric *Proechimys* (Echimyidae) species from the Cacao locality, French Guiana. Palaeogeogr. Palaeoclimatol. Palaeoecol. *591*, 110880. https://doi.org/10.1016/j.palaeo.2022.110880
24. **Perales-Gogenola, L.**, **Merceron, G.**, Badiola, A., Gómez-Olivencia, A., & Pereda-Suberbiola, X. (2022). The evolutionary ecology of the endemic European Eocene plagiolophus (Mammalia: Perissodactyla). Palaeogeogr. Palaeoclimatol. Palaeoecol., *594*, 110962. https://doi.org/10.1016/j.palaeo.2022.110962
25. Tamvakis, A., Savvidou, A., Spassov, N., Youlatos, D., **Merceron, G.**, & Kostopoulos, D. S. (2022). New insights on Early Pleistocene *Nyctereutes* from the Balkans based on material from Dafnero-3 (Greece) and Varshets (Bulgaria). Palaeoworld. 3*2*(3), 555-572. https://doi.org/10.1016/j.palwor.2022.09.006
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27. Gibert, C., Zacaï, A., Fluteau, F., Ramstein, G., Chavasseau, O., Thiery, G., Souron, A., Banks, W., Guy, F., Barboni, D., Sepulchre, P., Blondel, C., **Merceron, G.**, Otero, O., 2022. A coherent biogeographical framework for Old World Neogene and Pleistocene mammals. Palaeontology 65. https://doi.org/10.1111/pala.12594

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28. **Merceron, G.**, **Berlioz, E.**, Vonhof, H., Green, D., Garel, M., Tütken, T., 2021. Tooth tales told by dental diet proxies: An alpine community of sympatric ruminants as a model to decipher the ecology of fossil fauna. Palaeogeogr. Palaeoclimatol. Palaeoecol. 562, 110077. https://doi.org/10.1016/j.palaeo.2020.110077
29. **Thiery, G.**, Gibert, C., Guy, F., Lazzari, V., Geraads, D., Spassov, N., & **Merceron, G.** (2021). From leaves to seeds? The dietary shift in late Miocene colobine monkeys of southeastern Europe. Evolution, *75*(8), 1983-1997. https://doi.org/10.1111/evo.14283
30. Bignon-Lau, O., **Catz, N.**, Bemilli, C., Bodu, P., Hinguant, S., Lacarrière, J., ... & Paris, C. (2021). The Last Glacial Maximum and the Late Glacial in northern France-Palaeoecological implications of animal community structuration and feeding behaviours based on dental microwear texture analysis. Bull. Soci. Préhistor. Fr., *118*, 195-219. https://hal.science/hal-03593075
31. **Louail, M.**, Ferchaud, S., Souron, A., Walker, A. E., & Merceron, G. (2021). Dental microwear textures differ in pigs with overall similar diets but fed with different seeds. Palaeogeogr., Palaeoclimatol., Palaeoecol., *572*, 110415.

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33. Hassler, A., Martin, J.E., **Merceron, G.**, Garel, M., Balter, V., 2021. Calcium isotopic variability of cervid bioapatite and implications for mammalian physiology and diet. Palaeogeogr., Palaeoclimatol., Palaeoecol., 573, 110418. https://doi.org/10.1016/j.palaeo.2021.110418
34. Hullot, M., Laurent, Y., **Merceron, G.**, Antoine, P.-O., 2021. Paleoecology of the Rhinocerotidae (Mammalia, Perissodactyla) from Béon 1, Montréal-du-Gers (late early Miocene, SW France): Insights from dental microwear texture analysis, mesowear, and enamel hypoplasia. Palaeontol. Electron. https://doi.org/10.26879/1163

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35. Robinet, C., **Merceron, G.**, Candela, A. M., & Marivaux, L. (2020). Dental microwear texture analysis and diet in caviomorphs (Rodentia) from the Serra do Mar Atlantic forest (Brazil). J. Mammal., *101*(2), 386-402. https://doi.org/10.1093/jmammal/gyz194
36. Hermier, R., **Merceron, G.**, & Kostopoulos, D. S. (2020). The emblematic Eurasian Villafranchian antelope *Gazellospira* (Mammalia: Bovidae): new insights from the lower pleistocene Dafnero fossil sites (northern Greece). Geobios, *61*, 11-29. https://doi.org/10.1016/j.geobios.2020.06.006
37. Francisco, A., Brunetière, N., & **Merceron, G.** (2020). Damaged digital surfaces also deserve realistic healing. Surf. Topogr.: Metrol. Properties, *8*(3), 035008. https://doi.org/10.1088/2051-672X/aba7a3
38. Catz, N., Bignon-Lau, O., & **Merceron, G.** (2020). Reindeer feeding ecology and hunting strategies by Magdalenians from Pincevent (Paris Basin, France): New insights from dental microwear textural analyses. Int. J. Osteoarch. *30*(4), 519-528. https://doi.org/10.1002/oa.2879
39. Benammi, M., Aidona, E., **Merceron, G.**, Koufos, G.D., Kostopoulos, D.S., 2020. Magnetostratigraphy and chronology of the Lower Pleistocene primate bearing Dafnero fossil site, N. Greece. Quaternary 3, 22. https://doi.org/10.3390/quat3030022
40. Garcia, G., Pinton, A., Valentin, X., Kostopoulos, D.S., **Merceron, G.**, de Bonis, L., Koufos, G.D., 2020. The earliest known crown-*Testudo* tortoise from the late Miocene (Vallesian, 9 Ma) of Greece. PLOS ONE 15, e0224783. https://doi.org/10.1371/journal.pone.0224783

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42. Peigné, S., **Merceron, G.**, 2019. Palaeoecology of cave bears as evidenced by dental wear analysis: a review of methods and recent findings. Hist. Biol. 31, 448–460. https://doi.org/10.1080/08912963.2017.1351441

43. Sewell, L., **Merceron, G.**, Hopley, P.J., Zipfel, B., Reynolds, S.C., 2019. Using springbok (*Antidorcas*) dietary proxies to reconstruct inferred palaeovegetational changes over 2 million years in Southern Africa. J. Archaeol. Sci. Rep. 23, 1014–1028. https://doi.org/10.1016/j.jasrep.2018.02.009

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45. Blondel, C., Rowan, J., **Merceron, G.**, Bibi, F., Negash, E., Barr, W.A., Boisserie, J.-R., 2018. Feeding ecology of Tragelaphini (Bovidae) from the Shungura Formation, Omo Valley, Ethiopia: Contribution of dental wear analyses. Palaeogeogr., Palaeoclimatol., Palaeoecol., 496, 103–120. https://doi.org/10.1016/j.palaeo.2018.01.027
46. DeSantis, L., Fortelius, M., Grine, F.E., Janis, C., Kaiser, T.M., **Merceron, G.**, Purnell, M.A., Schulz-Kornas, E., Saarinen, J., Teaford, M., Ungar, P.S., Žliobaitė, I., 2018. The phylogenetic signal in tooth wear: What does it mean? Ecol. Evol. 8, 11359–11362. https://doi.org/10.1002/ece3.4541
47. Francisco, A., Blondel, C., Brunetière, N., Ramdarshan, A., **Merceron, G.**, 2018a. Enamel surface topography analysis for diet discrimination. A methodology to enhance and select discriminative parameters. Surf. Topogr. Metrol. Prop. 6, 015002. https://doi.org/10.1088/2051-672X/aa9dd3
48. Francisco, A., Brunetière, N., **Merceron, G.**, 2018b. Gathering and analyzing surface parameters for diet identification purposes. Technologies 6, 75. https://doi.org/10.3390/technologies6030075
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53. Percher, A.M., **Merceron, G.**, Nsi Akoue, G., Galbany, J., Romero, A., Charpentier, M.J., 2018. Dental microwear textural analysis as an analytical tool to depict individual traits and reconstruct the diet of a primate. Am. J. Phys. Anthropol. 165, 123–138. https://doi.org/10.1002/ajpa.23337
54. Rowan, J., Martini, P., Likius, A., **Merceron, G.**, Boisserie, J.-R., 2018. New Pliocene remains of *Camelus grattardi* (Mammalia, Camelidae) from the Shungura Formation,

Lower Omo Valley, Ethiopia, and the evolution of African camels. Hist. Biol. 1–12. https://doi.org/10.1080/08912963.2017.1423485

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56. **Berlioz, E.**, Kostopoulos, D.S., Blondel, C., **Merceron, G.**, 2017b. Feeding ecology of *Eucladoceros ctenoides* as a proxy to track regional environmental variations in Europe during the early Pleistocene. C. R. Palevol. 17, 320- 332. https://doi.org/10.1016/j.crpv.2017.07.002
57. Bignon-lau, O., **Catz, N.**, **Berlioz, E.**, Veiberg, V., Strand, O., **Merceron, G.**, 2017. Dental microwear textural analyses to track feeding ecology of reindeer: a comparison of two contrasting populations in Norway. Mammal Res. 62, 111–120. https://doi.org/10.1007/s13364-016-0304-y
58. **Merceron, G.**, Blondel, C., Brunetiere, N., Francisco, A., Gautier, D., **Ramdarshan, A.**, 2017. Dental microwear and controlled food testing on sheep: The TRIDENT project. Biosurf. Biotribol. 3, 174–183. https://doi.org/10.1016/j.bsbt.2017.12.005
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60. Thiery, G., Gillet, G., Lazzari, V., **Merceron, G.**, Guy, F., 2017. Was *Mesopithecus* a seed eating colobine? Assessment of cracking, grinding and shearing ability using dental topography. J. Hum. Evol. 112, 79–92. https://doi.org/10.1016/j.jhevol.2017.09.002
61. Bonis, L. de, Abella, J., **Merceron, G.**, Begun, D.R., 2017. A new late Miocene ailuropodine (Giant Panda) from Rudabánya (North-central Hungary). Geobios 50, 413–421. https://doi.org/10.1016/j.geobios.2017.09.003

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63. Konidaris, G.E., Koufos, G.D., Kostopoulos, D.S., **Merceron, G.**, 2016. Taxonomy, biostratigraphy and palaeoecology of *Choerolophodon* (Proboscidea, Mammalia) in the Miocene of SE Europe-SW Asia: implications for phylogeny and biogeography. J. Syst. Palaeontol. 14, 1–27. https://doi.org/10.1080/14772019.2014.985339
64. **Merceron, G.**, Novello, A., Scott, R.S., 2016. Paleoenvironments inferred from phytoliths and Dental Microwear Texture Analyses of meso-herbivores. Geobios 49, 135–146. https://doi.org/10.1016/j.geobios.2016.01.004

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66. Souron, A., **Merceron, G.**, Blondel, C., Brunetière, N., Colyn, M., Hofman-Kamińska, E., Boisserie, J.-R., 2015. Three-dimensional dental microwear texture analysis and diet in extant Suidae (Mammalia: Cetartiodactyla). Mammalia 79, 279-291. https://doi.org/10.1515/mammalia-2014-0023

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70. **Rey, K.**, Amiot, R., Lécuyer, C., Koufos, G.D., Martineau, F., Fourel, F., Kostopoulos, D.S., **Merceron, G.**, 2013. Late Miocene climatic and environmental variations in northern Greece inferred from stable isotope compositions (δ 18 O, δ 13 C) of equid teeth apatite. Palaeogeogr., Palaeoclimatol., Palaeoecol., 388, 48–57. https://doi.org/10.1016/j.palaeo.2013.07.021
71. Schulz, E., Piotrowski, V., Clauss, M., Mau, M., **Merceron, G.**, Kaiser, T.M., 2013. Dietary abrasiveness is associated with variability of microwear and dental surface texture in rabbits. PLoS ONE 8, e56167. https://doi.org/10.1371/journal.pone.0056167
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