

Publications (46)

- Solé F., Dubied M., Le Verger K., & **Mennecart B.** (minor revision). First partial cranium of the *Hyaenodon* type species, *H. leptorhynchus* (Mammalia, Hyaenodonta) – reflexion on the niche partitioning of the European carnivorous mammals during the Paleogene. *Palaios*.
- Becker D., Antoine P.-O., **Mennecart B.**, & Tissier J. (accepted). New rhinocerotid remains in the latest Oligocene–Early Miocene of the Swiss Molasse Basin. *Revue de Paléobiologie*.
- Costeur L., Valli A., Beaudouin C., & **Mennecart B.** (accepted). On some ruminant petrosal bones and their bony labyrinth from Senèze (Villafranchian, France). *Revue de Paléobiologie*.
- Solé F., Dubied M., Le Verger K., & **Mennecart B.** (accepted). 3D models related to the publication: First partial cranium of the *Hyaenodon* type species, *H. leptorhynchus* (Mammalia, Hyaenodonta) – reflexion on the niche partitioning of the European carnivorous mammals during the Paleogene. *MorphoMuseum*. DOI 10.18563/journal.m3.63.
- Mennecart B.**, Zoboli D., Costeur L., & Pillola G.L. (in press). On the systematic position of the oldest insular ruminant *Sardomeryx oschiriensis* (Mammalia, Ruminantia) and the early evolution of the Giraffomorpha. *Journal of Systematic Palaeontology*. DOI 10.1080/14772019.2018.1472145
- Serbina L. & **Mennecart B.** (in press). Evolutionary pattern of the forewing shape in the Neotropical genus of jumping-lice (Hemiptera: Psylloidea: *Russeliana*). *Organism Diversity & Evolution*. DOI 10.1007/s13127-018-0367-5
- Costeur L., Grohé C., Aguirre-Fernández G., Ekdale E., Schulz G., Müller B., & **Mennecart B.** (2018). The bony labyrinth of toothed whales reflects both phylogeny and habitat preferences. *Scientific Reports* 8, 7841. DOI 10.1038/s41598-018-26094-0
- Mennecart B.**, Perthuis de Ad., Rössner G. E., Guzmán J. A., Perthuis de Au. & Costeur L. (online). The first French tragulid skull (Mammalia, Ruminantia, Tragulidae) and associated tragulid remains from the Middle Miocene of Contres (Loir-et-Cher, France). *Comptes Rendus Palévol* 17(3), 189–200. DOI 10.1016/j.crpv.2017.08.004.
- Mennecart B.**, Geraads D., Spassov N., Zagorchev I. (2018). Discovery of the oldest European ruminant in the late Eocene of Bulgaria: did tectonics influence the diachronic development of the Grande Coupure? *Palaeogeography, Palaeoclimatology, Palaeoecology* 498, 1–8. DOI 10.1016/j.palaeo.2018.01.011.
- Aguirre-Fernández G., **Mennecart B.**, Sánchez-Villagra M., Sánchez Rodolfo, & Costeur L. (2017). A dolphin fossil ear bone from the Northern neotropics—insights into habitats transitions in iniid evolution. *Journal of Vertebrate Paleontology* 37(3), e1315817. DOI 10.1080/02724634.2017.1315817.
- Aiglstorfer M., Costeur L., **Mennecart B.**, & Heizmann E.P.J. (2107a). 3D models related to the publication: *Micromeryx? eiselei* - a new moschid species from Steinheim am Albuch, Germany, and the first comprehensive description of moschid cranial material from the Miocene of Central Europe. *PlosOne* 12(10), e0185679.
- Aiglstorfer M., Costeur L., **Mennecart B.**, & Heizmann E.P.J. (2107b). *Micromeryx? eiselei* - a new moschid species from Steinheim am Albuch, Germany, and the first comprehensive description of moschid cranial material from the Miocene of Central Europe. *MorphoMuseum* 3(4)-e4. DOI 10.18563/03.3.4.e4.

- Bonis de L. & **Mennecart B.** (2017). First occurrence of the rare genus *Adelpharctos* (Mammalia, Carnivora) in the late Oligocene locality of Rickenbach (Switzerland). *Neues Jahrbuch für Paläontologie Abhandlungen*. 284/2, 153–159.
- Cavin L., **Mennecart B.**, Obrist C., Costeur L., & Furrer H. (2017). A bizarre Triassic latimeriid coelacanth from Switzerland stemmed from a heterochronic evolution. *Scientific Reports* 7, 13695. DOI 10.1038/s41598-017-13796-0
- Costeur L., **Mennecart B.**, Khimchenko A., Müller B., & Schulz G. (2017). Innervation of the cow's inner ear derived from micro-computed tomography. *Proceedings of SPIE* 10391, 103911I1–8.
- Costeur L., **Mennecart B.**, Müller B., & Schultz G. (2017). Prenatal growth stages show the development of the ruminant bony labyrinth and petrosal bone. *Journal of Anatomy*. 230(2), 347–353. DOI 10.1111/joa.12549.
- Dubied M., Gilbert C., Deleglise M., Laurens F., & **Mennecart B.** (2017). De l'importance de la collection Quatrehomme (Musée La Monnaie, Meung-sur-Loire) dans le paysage paléontologique français. *Carnets de Géologie* 17(5), 129–138.
- Jouve S., **Mennecart B.**, Douteau J., & Jalil N.-E. (2017). Biases in the study of relationships between biodiversity dynamics and fluctuation of environmental conditions. *Palaeontologia Electronica*. 20.1.18A, 1–21.
- Mennecart B.** & Laurens F. (2017). Note sur les fossiles de vertébrés marins (*Cacharocles megalodon* et sirénien indet.) provenant de la collection archéologique de la mairie d'Ouzouer-le-Marché. *Symbioses* 35-36, 65–68.
- Mennecart B.**, DeMiguel D., Bibi F., Rössner G.E., Métais G., Neenan J. M., Wang S., Schultz G., Müller B., Costeur L. (2017). Bony labyrinth morphology clarifies the origin and evolution of deer. *Scientific Reports* 7, 13176. DOI 10.1038/s41598-017-12848-9.
- Mennecart B.**, Perthuis de Ad., & Costeur L. (2017). 3D models related to the publication: The first French tragulid skull (Mammalia, Ruminantia, Tragulidae) and associated tragulid remains from the Middle Miocene of Contres (Loir-et-Cher, France). *MorphoMuseuM* 3(3), e4. DOI 10.18563/m3.3.3.e4.
- Mennecart B.**, Zoboli D., Costeur L., & Pillola G.L. (2017). Reassessment of the latest Oligocene ruminant from Sardara, the last non-insular mammal from Sardinia (Italy). *Neues Jahrbuch für Paläontologie Abhandlungen* 286/1, 97–104.
- Métais G., **Mennecart B.**, & Roohi G. (2017). A new assemblage of stem pecoran ruminants from the Oligocene Chitarwata Formation, Bugti Hills, Baluchistan, Pakistan: paleoenvironmental and paleobiogeographical implications. *Journal of Asian Earth Sciences*. 136, 40–49. DOI 10.1016/j.jseas.2016.09.009.
- Moreau J.D., Néraudeau D., Vullo R., Abit D., **Mennecart B.**, & Schnyder J. (2017). Late Jurassic dinosaur footprints from Chassiron–La Morelière (Oléron Island, western France). *Palaeobiodiversity and Palaeoenvironments*. 1–17. DOI 10.1007/s12549-017-0282-3.
- Solé F., Le Verger K., **Mennecart B.** (2017). Comprendre le succès des Carnivora (Mammalia). *Journal de l'APF*. 73, 14–17.
- Costeur L. & **Mennecart B.** (2016). 3D models related to the publication: Prenatal growth stages show the development of the ruminant bony labyrinth and petrosal bone. *MorphoMuseuM*. 2(2)-e3. DOI 10.18563/m3.2.2.e3.
- Costeur L., **Mennecart B.**, Müller B., & Schultz G. (2016). Middle ear bones of a mid-gestation ruminant fetus extracted from X-ray computed tomography. *Proceedings of SPIE*. 9967, 99671Q-1–7.

- Jouve S., **Mennecart B.**, Douteau J., & Jalil N.-E. (2016). The oldest durophagous Teleosauroid (Crocodylomorpha, Thalattosuchia) from the Lower Bathonian of Central High Atlas, Morocco. *Palaeontology*. 59(6), 863–876.
- Mennecart B.** & Costeur L. (2016a). A *Dorcatherium* (Mammalia, Ruminantia, Middle Miocene) petrosal bone and the tragulid ear region. *Journal of Vertebrate Paleontology*. 36(6), e1211665
- Mennecart B.** & Costeur L. (2016b). 3D models related to the publication: A *Dorcatherium* (Mammalia, Ruminantia, Middle Miocene) petrosal bone and the tragulid ear region. *MorphoMuseum*. 2 (1)-e2. DOI 10.18563/m3.2.1.e2.
- Mennecart B.** & Costeur L. (2016c). Shape variation and ontogeny of the ruminant bony labyrinth, an example in Tragulidae. *Journal of Anatomy*. 229(3), 422–435. DOI 10.1111/joa.12487.
- Mennecart B.**, Rössner G.E., Métails G., DeMiguel D., Schultz G., Müller B., & Costeur L. (2016). The petrosal bone and bony labyrinth of Early to Middle Miocene European deer (Mammalia, Cervidae) reveal their phylogeny. *Journal of Morphology*. 277, 1329–1338.
- Mennecart B.**, Yerly B., Mojon P.-O., Angelone C., Maridet O., Böhme M., & Pirkenseer C. (2016). A new Late Aagenian (MN2a, Early Miocene) fossil assemblage from Wallenried (Molasse Basin, Canton Fribourg, Switzerland). *Paläontologische Zeitschrift*. 90(1), 101–123. DOI 10.1007/s12542-015-0275-3.
- Mennecart B.** (2015). The European ruminants during the «*Microbunodon* Event» (MP28, latest Oligocene): Impact of climate changes and faunal event on the ruminant evolution. *PlosOne*. 1–28. DOI 10.1371/journal.pone.0116830.
- Mennecart B.** & Métails G. (2015). *Mosaicomeryx* gen. nov., a ruminant mammal from the Oligocene of Europe and the significance of “gelocids”. *Journal of Systematic Palaeontology*. 13(7), 581–600. DOI 10.1080/14772019.2014.948505.
- Londeix L. & **Mennecart B.** (2014). Aperçu des mammifères continentaux aquitaniens en Aquitaine. in Londeix L. (Ed.) *Stratotype Aquitainien, collection Patrimoine géologique, MNHN & Biotope*. 294–307.
- Weidmann M., Engesser B., Berger J.-P., Mojon P.-O., Ginsburg L., Mödden C., Becker D., & **Mennecart B.** (2014). Paléontologie et biostratigraphie de la Molasse de l'Oligocène et du Miocène basal du Talent et de quelques autres localités du Plateau vaudois (Suisse). *Revue de Paléobiologie*. 33(2), 463–531.
- Mennecart B.** & Havran M. (2013). Nouvelles données sur les Ichtyosaures du Canton de Fribourg. *Bulletin de la Société fribourgeoise des sciences naturelles*. 102, 77–84.
- Scherler L., **Mennecart B.**, Hiard F., & Becker D. (2013). Evolutionary history of hoofed mammals during the Oligocene-Miocene transition in Western Europe. *Swiss Journal of Geosciences*. 106, 349–369.
- Mennecart B.** (2012). The Ruminantia (Mammalia, Cetartiodactyla) from the Oligocene to the Early Miocene of Western Europe : systematics, palaeoecology and palaeobiogeography. *Geofocus*. 32, 1–263.
- Mennecart B.**, Becker D., & Berger J.-P. (2012). Mandible shape of ruminants: between phylogeny and feeding habits. In Mendes R. E. (Ed.), *Ruminants: Anatomy, behavior, and diseases*. Nova Science Publishers. 205–226.

- Mennecart B.**, Scherler L., Hiard F., Becker D., & Berger J.-P. (2012). Large mammals from Rickenbach (Switzerland, Reference-Locality MP29, Late Oligocene): biostratigraphic and paleoenvironmental implications. *Swiss Journal of Palaeontology*, 131, 161–181.
- Canillos T., Aguilhon M., Comte A., **Mennecart B.**, Respaut C., Seguin M. (2011). Sondage archéologique sur l'oppidum du camp de César à Laudun-l'Ardoise. Une structure du Haut-Empire réutilisée au cours de l'Antiquité tardive. *Rhodania*, 119, 1–15.
- Mennecart B.**, Becker D., & Berger J.-P. (2011). *Iberomeryx minor* (Mammalia, Artiodactyla) from the Early Oligocene of Soulce (Canton Jura, NW Switzerland): systematics and palaeodiet. *Swiss Journal of Geosciences*, 104 (suppl 1), S115–S132.
- Becker D., Antoine P.-O., Engesser B., Hiard F., Hostettler B., Menkveld-Gfeller U., **Mennecart B.**, Scherler L., & Berger J.-P. (2010). Late Aquitanian mammals from Engehalde (Molasse Basin, Canton Bern, Switzerland). *Annales de Paléontologie*, 96, 3, 95–116.
- Sauvage J.-P. & **Mennecart B.** (2006). L'utilisation des faluns pour la construction dans le canton de Contres. *Annales de l'université du 3e âge*, session de printemps 2006, 68–81.