

**Publications by Uwe Kierdorf  
(last update: August 2022)**

**2022**

- Flohr, S.; Kierdorf, U. (2022) Abnormal bone loss in the external auditory canal of two adult humans from the medieval period of Germany – an attempt at differential diagnosis. *International Journal of Osteoarchaeology* **32**, 938-943.
- Heckeberg, N., Zachos, F., Kierdorf, U. (2022) Antler tine homologies and cervid systematics – a review of past and present controversies with special emphasis on *Elaphurus davidianus*. *The Anatomical Record*, doi: 10.1002/ar.24956
- Kierdorf, H.; Kierdorf, U.; Greven, H.; Clemen, G. (2022) Dental structure and tooth attachment modes in the common fangtooth *Anoplogaster cornuta* (Valenciennes, 1833) (Actinopterygii; Trachichthyiformes; Anoplogastridae). *PLoS ONE* **17** (8): e0272860 (pp 1-23).
- Kierdorf, U.; Flohr, S.; Kahlke, R.-D. (2022) Post-traumatic osteomyelitis in an immature *Bison menneri* from the Early Pleistocene site of Untermassfeld. In Kahlke R.-D. (ed.) *The Pleistocene of Untermassfeld near Meiningen (Thüringen, Germany)*. Part 5. Monographien des Römisch-Germanischen Zentralmuseums Mainz Vol. 40 (5), 1325-1337.
- Kierdorf, U., Ludolphy, C., Kierdorf, H. (2022) Antlers as bioindicators of environmental pollution: principles, achievements, and future research directions. *Animal Production Science*, doi:10.1071/AN22145
- Kierdorf, U., Stock, S.R., Gomez, S., Antipova O, Kierdorf, H. (2022) Distribution, structure, and mineralization of calcified cartilage remnants in hard antlers. *Bone Reports* **16**, 101571 (pp 1-12).
- Ludolphy, C.; Kierdorf, U.; Kierdorf, H. (2022) Antlers of European roe deer (*Capreolus capreolus*) as monitoring units to assess lead pollution in a floodplain contaminated by historical metal ore mining, processing, and smelting in the Harz Mountains, Germany. *Environmental Pollution* **302**, 119080 (pp 1-9).
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- Emken, S.; Witzel, C.; Kierdorf, U., Frölich, K.; Kierdorf, H. (2021) Characterization of short-period and long-period incremental markings in porcine enamel and dentine—Results of a fluorochrome labelling study in wild boar and domestic pigs. *Journal of Anatomy* **239**, 1207-1220.
- Kierdorf, H.; Witzel, C.; Bocaege, E.; Richter, T.; Kierdorf, U. (2021) Assessment of physiological disturbances during pre- and early postnatal development based on microscopic analysis of human deciduous teeth from the Late Epipaleolithic site of Shubayqa 1 (Jordan). *American Journal of Physical Anthropology* **174**, 20-34.
- Kierdorf, U.; Kierdorf, H. (2021) Bilateral antler sequestration above the coronet in a red deer (*Cervus elaphus*) stag—insights into the process of antler casting. *Anatomia Histologia Embryologia* **50**, 422-428.

- Kierdorf, U.; Schultz, M.; Kierdorf, H. (2021) The consequences of living longer—Effects of an experimentally extended velvet antler phase on the histomorphology of antler bone in fallow deer (*Dama dama*). *Journal of Anatomy* **239**, 1104-1113.
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