EARTHSEQUENCING Publications

1. Greene, S.E., Ridgwell, A.J., Kirtland Turner, S., Schmidt, D.N., Pälike. H., Thomas, E., Greene, L.K., Hoogakker, B.A.A. (2019, accepted), Early Cenozoic Decoupling of Climate and Carbonate Compensation Depth Trends, Paleoceanography and Paleoclimatology, https://dx.doi.org/10.1029/2019PA003601.
2. Littler, K., Westerhold, T., Drury, A.J., Liebrand, D., Lisiecki, L., Pälike, H. (2019), Astronomical Time Keeping of Earth History: An Invaluable Contribution of Scientific Ocean Drilling, Oceanography, https://dx.doi.org/10.5670/oceanog.2019.122.
3. Aguirre-Urreta, B., Martinez, M. et al (2019), Interhemispheric radio-astrochronological calibration of the time scales from the Andean and the Tethyan areas in the Valanginian–Hauterivian (Early Cretaceous), Gondwana Research, https://dx.doi.org/10.1016/j.gr.2019.01.006
4. Kotov, S., Pälike, H. (2019), Enhanced Principal Tensor Analysis as a tool for 3-way geological data reconstructions, Computers & Geosciences, https://dx.doi.org/10.1016/j.cageo.2018.11.001
5. Vahlenkamp, M., Niezgodzki, I., De Vleeschouwer, D., Lohmann, G., Bickert, T., Pälike, H. (2018), Ocean and climate response to North Atlantic seaway changes at the onset of long-term Eocene cooling, EPSL 498, 185-195, https://dx.doi.org/10.1016/j.epsl.2018.06.031
6. De Vleeschouwer, D., Auer, G., Smith, R., Bogus, K., Christensen, B., Groeneveld, J., Patrick, B., Henderiks, J., Castaneda, I.S., O'Brien, E., Ellinghausen, M., Gallagher, S.J., Fulthorpe, C.S., Pälike, H. (2018), The amplifying effect of Indonesian Throughflow heat transport on Late Pliocene Southern Hemisphere climate cooling, EPSL 500, 15-27, https://dx.doi.org/10.1016/j.epsl.2018.07.035
7. Crowhurst, S.J., Päilke, H., Rickaby, R.E.M. (2018), Carbonate ions, orbits and Mg/Ca at ODP 1123, Geochimica et Cosmochimica Acta 236, 384-398, https://dx.doi.org/10.1016/j.gca.2018.03.013
8. Vahlenkamp, M. et al. (2018), Astronomically paced changes in deep-water circulation in the western North Atlantic during the middle Eocene, EPSL 484, 329-340, https://dx.doi.org/10.1016/j.epsl.2017.12.016.
9. Boulila, S. et al. (2018), Towards a robust and consistent middle Eocene astronomical timescale, EPSL 486, 94-107, https://dx.doi.org/10.1016/j.epsl.2018.01.003.
10. Gutjahr, M., Ridgwell, A., Sexton, P.F., Anagnostou, E., Pearson, P.N., Pälike, H., Norris, R.D., Thomas, E., Foster, G.L. (2017), Very large release of mostly volcanic carbon during the Palaeocene-Eocene Thermal Maximum, Nature 548(7669), 573-, https://dx.doi.org/10.1038/nature23646
11. Chalk, T.B. et al.,(2017), Causes of ice age intensification across the Mid-Pleistocene Transition, Proceedings of the National Academy of Sciences of the United States of America 114(50), 13114-13119, https://dx.doi.org/10.1073/pnas.1702143114.
12. De Vleeschouwer, D., Dunlea, A. G., Auer, G., Anderson, C. H., Brumsack, H., de Loach, A., … Pälike, H. (2017). Quantifying K, U, and Th contents of marine sediments using shipboard natural gamma radiation spectra measured on DV JOIDES Resolution. *Geochemistry, Geophysics, Geosystems*, *18*, 1–12. https://doi.org/10.1002/2016GC006715
13. De Vleeschouwer, D., Vahlenkamp, M., Crucifix, M., & Pälike, H. (2017). Alternating Southern and Northern Hemisphere climate response to astronomical forcing during the past 35 m.y. *Geology*, (4), G38663.1. https://doi.org/10.1130/G38663.1
14. Liebrand, D., de Bakker, A. T. M., Beddow, H. M., Wilson, P. A., Bohaty, S. M., Ruessink, G., … Lourens, L. J. (2017). Evolution of the early Antarctic ice ages. *Proceedings of the National Academy of Sciences*, 1–6. https://doi.org/10.1073/pnas.1615440114
15. Liebrand, D., Beddow, H. M., Lourens, L. J., Pälike, H., Raffi, I., Bohaty, S. M., … Batenburg, S. J. (2016). Cyclostratigraphy and eccentricity tuning of the early Oligocene through early Miocene (30.1– 17.1 Ma): Cibicides mundulus stable oxygen and carbon isotope records from Walvis Ridge Site 1264. *Earth and Planetary Science Letters*, *450*, 392–405. https://doi.org/10.1016/j.epsl.2016.06.007
16. Martinez, M., Kotov, S., De Vleeschouwer, D., Pas, D., & Pälike, H. (2016). Testing the impact of stratigraphic uncertainty on spectral analyses of sedimentary series. *Climate of the Past*, *12*(9), 1765–1783. https://doi.org/10.5194/cp-12-1765-2016
17. Sinnesael, M., Zivanovic, M., De Vleeschouwer, D., Claeys, P., & Schoukens, J. (2016). Astronomical component estimation (ACE v.1) by time-variant sinusoidal modeling. *Geoscientific Model Development*, *9*(10), 3517–3531. https://doi.org/10.5194/gmd-9-3517-2016
18. von der Heydt, A. S., Dijkstra, H. A., van de Wal, R. S. W., Caballero, R., Crucifix, M., Foster, G. L., … Ziegler, M. (2016). Lessons on Climate Sensitivity From Past Climate Changes. *Current Climate Change Reports*, 148–158. https://doi.org/10.1007/s40641-016-0049-3
19. Martinez, M., & Dera, G. (2015). Orbital pacing of carbon fluxes by a 9-My eccentricity cycle during the Mesozoic. *Proceedings of the National Academy of Sciences*, *112*(41), 12604–12609. https://doi.org/10.1073/pnas.1419946112