

# Helen K. Coxall Publications

## Peer-reviewed publications (73)

### 2022

1. Zhang, Y., de Boer, A.M., Lunt, D.J., Hutchinson, D.K., Ross, P., van de Flierdt, T., Sexton, P., **Coxall, H.K.**, Steinig, S., Ladant, J.-B., Zhu, J., Donnadieu, Y., Zhang, Z., Chan, W.-L., Abe-Ouchi, A., Niegzodzki, I., Lohmann, G., Knorr, G., Poulsen, C.J., Huber, M. (accepted, 16 Feb 2022). Early Eocene ocean meridional overturning circulation: the roles of atmospheric forcing and strait geometry: *Paleoceanography and Palaeoclimatology*.
2. Reghellin, D., **Coxall, H.K.**, Dickens, G.R., Galeotti, S., Backman, J. (accepted, Feb 2022). The late Miocene - early Pliocene biogenic bloom in the eastern equatorial Pacific: new insights from Integrated Ocean Drilling Program Site U1335. *Paleoceanography and Paleoclimatology*.

### 2021

3. Vermassen, F., O'Regan, M., West, G., Cronin, T.M., **Coxall, H.K.**, 2021. Testing the stratigraphic consistency of Pleistocene microfossil bioevents identified on the Alpha and Lomonosov Ridges, Arctic Ocean. *Arctic, Antarctic, and Alpine Research*, 53:309-323. <https://doi.org/10.1080/15230430.2021.1988356>
4. **Coxall, H.K.**, Jones, T.D., Jones, A.P., Lunt, P., MacMillan, I., Marliyani, G.I., Nicholas, C.J., O'Halloran, A., Piga, E., Sanyoto, P., Rahardjo, W., Pearson, P.N., 2021, The Eocene–Oligocene transition in Nanggulan, Java: lithostratigraphy, biostratigraphy and foraminiferal stable isotopes: *Journal of the Geological Society*, 178, jgs2021-2006. <https://doi.org/10.1144/jgs2021-006>
5. Birch, H., Schmidt, D.N., **Coxall, H.K.**, Kroon, D., Ridgwell, A., 2021. Ecosystem function after the K/Pg extinction: decoupling of marine carbon pump and diversity. *Proceedings of the Royal Society B: Biological Sciences*, 288:20210863, <https://doi.org/doi:10.1098/rspb.2021.0863>
6. Stranne, C., Nilsson, J., Ulfsbo, A., O'Regan, A.M., **Coxall, H.K.**, Meire, L., Muchowski, J., Mayer, L.A., Brüchert, V., Fredriksson, J., Thornton, B., Chawarski, J., West, G., Weidner, E., Jakobsson, M., 2021. The climate sensitivity of northern Greenland fjords is amplified through sea-ice damming. *Communications Earth & Environment*, 2:70. <https://doi.org/10.1038/s43247-021-00140-8>.
7. Bradshaw, C.D., Langebroek, P.M., Lear, C.H., Lunt, D.J., **Coxall, H.K.**, Sosdian, S.M., de Boer, A.M., 2021. Hydrological impact of Middle Miocene Antarctic ice-free areas coupled to deep ocean temperatures. *Nature Geoscience*, 14:429-436. <https://doi.org/10.1038/s41561-021-00745-w>.
8. Hutchinson, D.K., **Coxall, H.K.**, Lunt, D.J., Steinthorsdottir, M., de Boer, A.M., Baatsen, M., von der Heydt, A., Huber, M., Kennedy-Asser, A.T., Kunzmann, L., Ladant, J.B., Lear, C.H., Moraweck, K., Pearson, P.N., Piga, E., Pound, M.J., Salzmann, U., Scher, H.D., Sijp, W.P., Śliwińska, K.K., Wilson, P.A., Zhang, Z., 2021. The Eocene–Oligocene transition: a review of marine and terrestrial proxy data, models and model–data comparisons. *Climate of the Past*, 17:269-315. <https://cp.copernicus.org/articles/17/269/2021/>
9. Lunt, D.J., Bragg, F., Chan, W.L., Hutchinson, D.K., Ladant, J.B., Morozova, P., Niegzodzki, I., Steinig, S., Zhang, Z., Zhu, J., Abe-Ouchi, A., Anagnostou, E., de Boer, A.M., **Coxall, H.K.**, Donnadieu, Y., Foster, G., Inglis, G.N., Knorr, G., Langebroek, P.M., Lear, C.H., Lohmann, G., Poulsen, C.J., Sepulchre, P., Tierney, J.E., Valdes, P.J., Volodin, E.M., Dunkley Jones, T., Hollis, C.J., Huber, M., Otto-Bliesner, B.L., 2021. DeepMIP: model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data. *Climate of the Past*, 17:203-227. doi: 10.5194/cp-17-203-2021
10. Steinthorsdottir, M., **Coxall, H.K.**, de Boer, A.M., Huber, M., Barbolini, N., Bradshaw, C.D., Burls, N.J., Feakins, S.J., Gasson, E., Henderiks, J., Holbourn, A., Kiel, S., Kohn, M.J., Knorr, G., Kürschner, W.M., Lear, C.H., Liebrand, D., Lunt, D.J., Mörs, T., Pearson, P.N., Pound, M.J., Stoll, H., Strömberg, C.A.E., 2021. The

Miocene: the Future of the Past. *Paleoceanography and Paleoclimatology*, 36.

<https://doi.org/https://doi.org/10.1029/2020PA004037>

## 2020

11. Ao, H., Dupont-Nivet, G., Rohling, E.J., Zhang, P., Ladant, J.-B., Roberts, A.P., Licht, A., Liu, Q., Liu, Z., Dekkers, M.J., **Coxall, H.K.**, Jin, Z., Huang, C., Xiao, G., Poulsen, C.J., Barbolini, N., Meijer, N., Sun, Q., Qiang, X., Yao, J., An, Z., 2020. Orbital climate variability on the northeastern Tibetan Plateau across the Eocene–Oligocene transition. *Nature Communications* 11, 5249. <https://doi.org/10.1038/s41467-020-18824-8>
12. Cramwinckel, M.J., **Coxall, H.K.**, Śliwińska, K.K., Polling, M., Harper, D.T., Bijl, P.K., Brinkhuis, H., Eldrett, J.S., Houben, A. J. P., Peterse, F., Schouten, S., Reichart, G.-J., Zachos, J.C., Sluijs, A., 2020. A warm, stratified, and restricted Labrador Sea across the middle Eocene and its climatic optimum. *Paleoceanography and Paleoclimatology*, 35. <https://doi.org/10.1029/2020PA003932>
13. Edgar, K.M., Bohaty, S.M., **Coxall, H.K.**, Bown, P.R., Batenburg, S.J., Lear, C., Pearson, P.N., 2020. New composite bio- and isotope stratigraphies spanning the middle Eocene Climatic Optimum at tropical ODP Site 865 in the Pacific Ocean. *Journal of Micropalaeontology*, 39:117-138. <https://doi.org/10.5194/jm-39-117-2020>
14. Reghellin, D., Dickens, G.R., **Coxall, H.K.**, Backman, J., 2020. Understanding bulk sediment stable isotope records in the Eastern Equatorial Pacific, from seven million years ago to present-day. *Paleoceanography and Paleoclimatology*, 35. doi: 10.1029/2019pa003586
15. Kiel, S., Altamirano, A.J., Birgel, D., **Coxall, H.K.**, Hybertsen, F., Peckmann, J., 2020. Fossiliferous methane-seep deposits from the Cenozoic Talara Basin in northern Peru. *Lethaia*, 53:166-182. <https://doi.org/10.1111/let.12349>

## 2019

16. Jones, A.P., Dunkley Jones, T., **Coxall, H.**, Pearson, P.N., Nala, D., Hoggett, M., 2019. Low-latitude calcareous nannofossil response in the Indo-Pacific Warm Pool across the Eocene-Oligocene Transition of Java, Indonesia. *Paleoceanography and Paleoclimatology*, 34:1833-1847. <https://doi.org/10.1029/2019PA003597>
17. Cronin, T.M., Keller, K.J., Farmer, J.R., Schaller, M.F., O'Regan, M., Poirier, R., **Coxall, H.**, Dwyer, G.S., Bauch, H., Kindstedt, I.G., Jakobsson, M., Marzen, R., Santin, E., 2019. Interglacial paleoclimate in the Arctic. *Paleoceanography and Paleoclimatology*, 34:1959-1979. <https://doi.org/10.1029/2019PA003708>
18. Hutchinson, D.K., **Coxall, H.K.**, Caballero, R., Nilsson, J., O'Regan, M., de Boer, A.M., 2019. Arctic closure as a trigger for Atlantic overturning at the Eocene-Oligocene Transition. *Nature Communications*, 10. <https://doi.org/10.1038/s41467-019-11828-z>
19. O'Regan, M., **Coxall, H.K.**, Cronin, T.M., Gyllencreutz, R., Jakobsson, M., Kaboth, S., Löwemark, L., Wiers, S., West, G., 2019. Stratigraphic occurrences of sub-polar planktic foraminifera in Pleistocene sediments on the Lomonosov Ridge, Arctic Ocean. *Frontiers in Earth Science*, 7(71). doi.org/10.3389/feart.2019.00071
20. Schiebel, R., Martinez-Garcia, A., Jentzen, A., Sigman, D., Michel, E., Quillevere, F., Haug, G.H., Ren, H., **Coxall, H.**, Spero, H., Vonhof, H.B., Bijma, J., Meiland, J., Jonkers, L., Kucera, M., Hull, P., Morard, R., Smart, S.M., de Garidel-Thoron, T., Aze, T., 2018. Advances in planktonic foraminifer research: New perspectives for paleoceanography. *Revue de Micropaléontologie*, 61:113-138. <https://doi.org/10.1016/j.revmic.2018.10.001>
21. Berndt, C., Planke, S., Teagle, D., Huismans, R., Torsvik, T., Frieling, J., Jones, M. T., Jerram, D. A., Tegner, C., Faleide, J. I., **Coxall, H.**, Hong, W. L., 2019. Northeast Atlantic breakup volcanism and consequences for Paleogene climate change – MagellanPlus Workshop report. *Scientific Drilling* 26:69-85. <https://doi.org/10.5194/sd-26-69-2019>

**2018**

22. Seidenstein, J.L., M., C.T., Gemery, L., Keigwin, L.D., Pearce, C., Jakobsson, M., **Coxall, H.K.**, Wei, E., Driscoll, N., 2018. Late Holocene paleoceanography in the Chukchi and Beaufort Seas, Arctic Ocean, based on benthic foraminifera and ostracodes. *Arktos*, 4(23):1-17. <https://doi.org/10.1007/s41063-018-0058-7>
23. O'Regan, M. **Coxall, H.K.**, Hill, P., Hilton, R., Muschitiello, F., Swärd, H., 2018. Early Holocene sea-level in the Canadian Beaufort Sea constrained by radiocarbon dates from a deep borehole in the Mackenzie Trough, Arctic Canada. *Boreas*, 47:1102-1117. <https://doi.org/10.1111/bor.12335>
24. Hutchinson, D.K., de Boer, A.M., **Coxall, H.K.**, Caballero, R., Nilsson, J., Baatsen, M., 2018. Climate sensitivity to greenhouse forcing in the late Eocene using GFDL CM2.1, 2018. *Climate of the past*, 14:789-810. <https://doi.org/10.5194/cp-2017-161>
25. **Coxall, H.K.**, Spezzaferri, S., 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Catapsydrax*, *Globorotaloides* and *Protentelloides*. In: Wade, B., et al. (Eds.), *Atlas of Oligocene Planktonic Foraminifera. Cushman Foundation Special Publication*, 46:79-124.
26. Wade, B.S., Pearson, P.N., Olsson, R.K., Premoli Silva, I., Berggren, W.A., Spezzaferri, S., Huber, B.T., **Coxall, H.K.**, Premec Fucek, V., Hernitz Kucenjak, M., Hemleben, C., Leckie, R.M., Smart, C.W., 2018. Taxonomy, biostratigraphy, phylogeny and diversity of Oligocene and early Miocene planktonic foraminifera. In: Wade, B., et al. (Eds.), *Atlas of Oligocene Planktonic Foraminifera, Cushman Foundation Special Publication*, 46:11-28.
27. Spezzaferri, S., **Coxall, H.K.**, Olsson, R.K., Hemleben, C.H., 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Globigerina*, *Globigerinella*, and *Quiltyella* n. gen. In: Wade, B., et al. (Eds.), *Atlas of Oligocene Planktonic Foraminifera. Cushman Foundation Special Publication*, 46:179-214.
28. Spezzaferri, S., Olsson, R.K., Hemleben, C., **Coxall, H.K.**, Wade, B. 2018. Taxonomy, biostratigraphy and phylogeny of Oligocene and lower Miocene *Globoturborotalita*. In: Wade, B., et al. (Eds.), *Atlas of Oligocene Planktonic Foraminifera. Cushman Foundation Special Publication*, 46:31-268.
29. Olsson, R.K., Hemleben, C.H., **Coxall, H.K.**, 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Ciperoella* n. gen. In: Wade, B., et al. (Eds.), *Atlas of Oligocene Planktonic Foraminifera. Cushman Foundation Special Publication*, 46:215-230.
30. **Coxall, H.K.**, Lear, C., O'Regan, M., Sliwinska, K., Zachos, J.C., Huck, C., van De Flierdt, T., Huber, M., de Boer, A., Backman, J., 2018. Export of nutrient rich Northern Component Water preceded early Oligocene Antarctic glaciation. *Nature Geoscience*, 11:190-196. <https://doi.org/10.1038/s41561-018-0069-9>
31. Barrientos, N., Lear, C.H., Jakobsson, M., Stranne, C., O'Regan, M., Cronin, T.M., Gukov, A.Y., **Coxall, H.K.**, 2018. Arctic Ocean benthic foraminifera Mg/Ca ratios and global Mg/Ca-temperature calibrations: New constraints at low temperatures. *Geochimica et Cosmochimica Acta*, 236:240-259. <https://doi.org/10.1016/j.gca.2018.02.036>
32. Ferreira, D., Cessi, P., **Coxall, H.K.**, de Boer, A., Dijkstra, H.A., Drijfhout, S.S., Eldevik, T., Harnik, N., McManus, J.F., Marshall, D.P., Nilsson, J., Roquet, F., Schneider, T., Wills, R. C., 2018. Atlantic-Pacific asymmetry in deep-water formation. *Annual Review of Earth and Planetary Sciences*, 46:327-352. doi:10.1146/annurev-earth-082517-010045

**2017**

33. Jakobsson, M., Pearce, C., Cronin, T.M., Backman, J., Anderson, L.G., Barrientos, N., Björk, G., **Coxall, H.**, de Boer, A., Mayer, L.A., Mört, C.M., Nilsson, J., Ratray, J.E., Stranne, C., Semiletov, I., O'Regan, M., 2017. Post-glacial flooding of the Bering Land Bridge dated to 11 cal ka BP based on new geophysical and sediment records. *Climate of the Past*, 13:991-1005. <https://doi.org/10.5194/cp-13-991-2017>

34. Hull, P.M., Bohaty, S.M., Cameron, A., **Coxall, H.K.**, D'haenens, S., de Vleeschouwer, D., Elder, L.E., Friedrich, O., Kerr, K., Turner, S.K., Kordesch, W.E.C., Moriya, K., Norris, R.D., Norris, R.D., Opdyke, B.N., Penman, D.E., Pälike, H., Wilson, P.A., Sexton, P.F., Vahlenkamp, M., Wu, F., Zachos, J.C., 2017. Data Report: coarse fraction record for the Eocene megasplice at IODP Sites U1406, U1408, U1409, and U14111. In: Norris, R.D., Wilson, P.A., Blum, P., and the Expedition 342 Scientist. *Proceedings of the Integrated Ocean Drilling Program*, 342: College Station, Tx (Integrated Ocean Drilling Program). doi: 10.2204/iodp.proc.342.203.2017

## 2016

35. Birch, H., **Coxall, H.K.**, Pearson, P.N., Kroon, D., Schmidt, D.N., 2016. Partial collapse of the marine carbon pump after the Cretaceous-Paleogene boundary. *Geology*, 44:287-290. <https://doi.org/10.1130/G37581.1>
36. Jakobsson, M., Nilsson, J., Anderson, L., Backman, J., Björk, G., Cronin, T.M., Kirchner, N., Kosurnikov, A., Mayer, L., Noormets, R., O'Regan, M., Stranne, C., Ananiev, R., Barrientos Macho, N., Cherniykh, D., **Coxall, H.**, Eriksson, B., Flodén, T., Gemery, L., Gustafsson, Ö., Jerram, K., Johansson, C., Khortov, A., Mohammad, R., Semiletov, I., 2016. Evidence for an ice shelf covering the central Arctic Ocean during the penultimate glaciation. *Nature Communications*, 7 (10365), <https://doi.org/10.1038/ncomms10365>

## 2015

37. Lear, C.H., **Coxall, H.K.**, Foster, G.L., Lunt, D.J., Mawbey, E., Rosenthal, Y., Sosdian, S., Thomas, E., Wilson, P.A., 2015. Neogene ice volume and ocean temperatures: Insights from infaunal foraminiferal Mg/Ca paleothermometry. *Paleoceanography*, 30:1437-1454. doi: 10.1002/2015PA002833
38. Reghellin, D., **Coxall, H.K.**, Dickens, G.R., Backman, J., 2015. Carbon and oxygen isotopes of bulk carbonate in sediment beneath the Pacific Equator. *Paleoceanography*, 30:1261-1286. <https://doi.org/10.1002/2015PA002825>
39. Hilton, R. G., Galy, V., Gaillardet, J., Dellinger, M., Bryant, C., O'Regan, M., Grocke, D. R., **Coxall, H.**, Bouchez, J., Calmels, D., 2015. Erosion of organic carbon in the Arctic as a geological carbon dioxide sink. *Nature*, 524:84-87. <https://doi.org/10.1038/nature14653>
40. Moore, T.C. Jr., Kamikuri, S., Erhardt, A.M., Baldauf, J., **Coxall, H.K.**, Westerhold, T., 2015. Radiolarian stratigraphy near the Eocene – Oligocene Boundary. *Marine Micropaleontology*, 116:50-62. <http://dx.doi.org/10.1016/j.marmicro.2015.02.002>
41. Berrocoso, Á.J., Huber, B.T., MacLeod, K.G., Petrizzo, M.R., Lees, J.A., Wendler, I., **Coxall, H.K.**, Mweneinda, A. K., Falzoni, F., Birch, J.M., Haynes, S.J., Bown, P.R., Robinson, S.A., Singano, H., 2015. The Lindi Formation (upper Albian-Coniacian) and Tanzania Drilling Project Sites 36-40 (Lower Cretaceous to Paleogene): lithostratigraphy, biostratigraphy and chemostratigraphy. *Journal of African Earth Sciences* 101:282-308. doi: 10.1016/j.jafrearsci.2014.09.017

## 2014

42. Moore T.C. Jr., Wade, B.S., Westerhold, T., Erhardt, A.M., **Coxall, H.K.**, Baldauf, J.G. and Wagner, T., 2014. Equatorial Pacific Productivity Changes near the Eocene-Oligocene Boundary. *Paleoceanography* 29: 825-844. doi: 10.1002/2014PA002656
43. Hull, P.M., Sexton, P.F., Norris, R.D., Wilson, P.A., Blum, P., Agnini, C., Boulila, S., Bown, P.R., **Coxall, H.K.**, Friedrich, O., Greenop, R., Kirtland Turner, S., Kordesch, W.E.C., Liebrand, D., Matsui, H., Moriya, K., Nishi, H., Opdyke, B.N., Pälike, H., Penman, D.E., Röhl, U., Smith, R., Westerhold, T., Yamamoto, K., Zachos, J.C., 2014. Resolving Eocene time and palaeoceanography in exceptional detail: An update on IODP Expedition 342, Newfoundland Ridge. *Rendiconti Online Societa Geologica Italiana*, 31:115-116. <https://doi.org/10.3301/ROL.2014.74>

44. Pearson, P.N., **Coxall, H.K.**, 2014. Origin of the Eocene planktonic foraminifer *Hantkenina* by gradual evolution. *Palaeontology* 57:243–267. doi: 10.1111/pala.12064

## 2013

45. John, E.H., Pearson, P.N., Birch, H., **Coxall, H.K.**, Wade, B.S., Foster, G.L., 2013. Warm ocean processes and carbon cycling in the Eocene. In: Lunt, D.J., Elderfield, H., Pancost, R., Ridgewell, A. (Eds.), Warm climates of the past: Lessons for the future. *Philosophical Transactions of the Royal Society A* 371: 20130096. doi: 10.1098/rsta.2013.0099.
46. Birch, H.S., **Coxall, H.K.**, Pearson, P.N., Kroon, D., O'Regan, A.M., 2013. Planktonic foraminifera stable isotopes and water column structure: Disentangling ecological signals. *Marine Micropaleontology* 101: 127–145. <http://dx.doi.org/10.1016/j.marmicro.2013.02.002>.
47. Aze, T., Ezhard, T.H.G., Purvis, A., **Coxall, H.K.**, Stewart, D.H.M., Wade, B.S., Pearson, P.N., 2013. Identifying anagenesis and cladogenesis in the fossil record. *Proceedings of the National Academy of Sciences Letter*, 110 (32): E2946. <https://doi.org/10.1073/pnas/1307562110>
48. Firth, J.V., Eldrett, J.S., Harding, I.C., **Coxall, H.K.**, Wade, B.S., 2012. A new age model for the Eocene and Oligocene of ODP Hole 647A, with implications for correlating Eocene and Oligocene paleoceanographic events from the high northern latitudes to the low latitudes. *Geological Society of London Special Publication* 373:29-78. doi: 10.1144/SP373.9

## 2012

49. Berrocoso, Á.J., Huber, B.T., MacLeod, K.G., Petrizzo, M.R., Lees, J.A., Wendler, I., **Coxall, H.K.**, Mweneinda, A.K., Falzoni, F., Birch, H., Singano, J.M., Haynes, S., Cotton, L., Wendler, J., Bown, P.R., Robinson, S.A., Gould, J., 2012. Lithostratigraphy, biostratigraphy and chemostratigraphy of Upper Cretaceous and Paleogene sediments from southern Tanzania: Tanzania Drilling Project Sites 27–35. *Journal of African Earth Sciences* 70:36–57.
50. Birch, H., **Coxall, H.K.**, Pearson, P.N. 2012. Evolutionary ecology of early Paleocene planktonic foraminifera: Size, depth habitat and symbiosis. *Paleobiology* 38:374-390. doi: 10.1666/11027.1

## 2011

51. **Coxall, H.K.**, Wilson, P.A., 2011. Early Oligocene glaciation and productivity in the eastern equatorial Pacific: Insights into global carbon cycling. *Paleoceanography* 26 (PA2221), 1-18. doi: 10.1029/2010PA002021
52. Aze, T., Ezhard, T.H.G., Purvis, A., **Coxall, H.K.**, Stewart, D.H.M., Wade, B.S., Pearson, P.N., 2011. A phylogeny of Cenozoic macroperforate planktonic foraminifera from fossil data. *Biological Reviews of the Cambridge Philosophical Society*, 86:900-927. doi: 10.1111/j.1469-185X.2011.00178.x [Charles Downie Award 2011 winner for best & most significant micropalaeontological paper]

## 2008

53. Dunkley Jones, T., Bown, P.R., Pearson, P.N., Wade, B.S., **Coxall, H.K.**, Lear, C.H., 2008. Major shifts in calcareous phytoplankton assemblages through the Eocene-Oligocene transition of Tanzania and their implications for low-latitude primary production. *Paleoceanography* 23 (A4204), 1-14. doi: 10.1029/2008PA001640
54. Bown, P.R., Dunkley Jones, T., Lees, J.A., Randel, W.J., Mizzi, J.A., Pearson, P.N., **Coxall, H.K.**, Young, J.R., Nicholas, C.J., Karega, A., Singano, J., Wade, B.S., 2008. A Paleogene calcareous microfossil Konservat-Lagerstätte from the Kilwa Group of coastal Tanzania. *Geological Society of America Bulletin* 120:3-12. doi: 10.1130/B26261.1

55. Lear, C.H., Bailey, T.R., Pearson, P.N.P., **Coxall, H.K.**, Rosenthal, Y., 2008. Cooling and ice growth across the Eocene-Oligocene transition. *Geology* 36:251-254. doi: 10.1130/G24584A.1
56. Pearson, P.N.P., McMillan, I.A., Wade, B.S., Dunkley Jones, T., **Coxall, H.K.** and Lear, C.H., 2008. Mass Extinction and global change across the Eocene/Oligocene boundary. *Geology* 36:179-182. doi: 10.1130/G24308A.1

## 2007

57. **Coxall, H.K.**, Wilson, P.A., Pearson, P.N., Sexton, P.F., 2007. Iterative evolution of digitate planktonic foraminifera. *Paleobiology* 33:495-516. doi: 10.1666/06034.1
58. **Coxall, H.K.** and Pearson, P.N., 2007. The Eocene-Oligocene transition. In Williams, M., Hayward, A., Gregory, J. and Schmidt, D.N. (Eds.), Deep time perspectives on climate change: Marrying the signal from computer models and biological proxies. *Micropalaeontological Society, Special Publications*. The Geological Society, London, 351–387.

## 2006

59. Pälike, H., Norris, R.N., Herrele, J., Wilson, P.A., **Coxall, H.K.**, Lear, C.H., Shackleton, N.J., Tripati, A. K., Wade, B.S., 2006. The heartbeat of the Oligocene climate system. *Science* 314: 1894-1898. doi: 10.1126/science.1133822
60. **Coxall, H.K.**, D'Hondt, S.L., Zachos, J.C., 2006. Pelagic ecosystem recovery after the K-T mass extinction. *Geology* 34:297-300. doi: 10.1130/G21702.1
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