

List of publications Silke Voigt (last 10 years)

2020/ in press

79. Voigt S, Püttmann T, Mutterlose J, Bornemann A, Jarvis I, Pearce M, Walaszczyk, I (2020, accepted) Reassessment of the Salzgitter-Salder section as a potential stratotype for the Turonian–Coniacian Boundary: stable carbon isotopes and cyclostratigraphy constrained by nanofossils and palynology. *Newsl. Stratigr.*
78. Hou A, Bahr A, Raddatz J, Voigt S, Keppler F, Albuquerque AL, Chiessi CM, Friedrich O (2020) Insolation and greenhouse gas forcing of the South American Monsoon System across three glacial-interglacial cycles. *Geophys. Res. Lett.*, doi.org/10.1029/2020GL087948.

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77. Raddatz J, Titschack J, Frank N, Conforti A, Osbourne A, Freiwald A, Skornitzke S, Stiller W, Rüggeberg A, Vertino A, Schröder-Ritzrau A, **Voigt S**, Albuquerque ALS, Bahr A (2019) *Solenosmilia variabilis* mounds off Brazil: formation patterns and environmental control mechanisms. *Coral Reefs*, doi.org/10.1007/s00338-019-01882.
76. Frisch K*, **Voigt S**, Verestek, V, Appel E, Roper RA, Gerdes A, Arndt I, Raddatz J, Voigt T, Weber Y, Batenburg, S (2019) Long-period astronomical forcing of westerlies' strength in Central Asia during Miocene climate cooling. *Paleocean. Paleoclim.* **34**, doi: 10.1029/2019PA003642.
75. Verestek* V, Appel E, Frisch K, **Voigt S** (2019) Rock magnetic signature of a playa cycle in Central Asia and environmental implications. *Intern. J. Earth Sci.*, doi.org/10.1007/s00531-019-01761-3.
74. Frisch K*, **Voigt S**, Voigt T, Hellwig A, Verestek V, Weber Y (2019) Extreme aridity in Central Asia deciphered from terrestrial facies evolution and basin hydrology in the Middle Miocene Ili Basin, SE Kazakhstan. *Sedimentology* **66**, 1716–1745, doi.org/10.1111/sed.12556.

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73. Batenburg SJ, **Voigt S**, Friedrich O, Osborne AH, Bornemann A, Klein T, Pérez-Díaz L, Frank, M (2018) Major intensification of Atlantic overturning circulation at the onset of Paleogene greenhouse warmth. *Nat. Comm.*, doi:10.1038/s41467-018-07457-7.
72. Razmjooei MJ, Thibault N, Kani A, Dinarès-Turell J, Pucéat E, Shahriari S, Radmacher W, Jamali AM, Ullmann CV, **Voigt S**, Cocquerez T (2018) Integrated bio- and carbon-isotope stratigraphy of the Upper Cretaceous Gurpi Formation (Iran): A new reference for the eastern Tethys and its implications for large-scale correlation of stage boundaries. *Cret Res* **91**, 312–340.
71. Verestek* V, Appel E, **Voigt S**, Frisch K (2018) Constrained Magnetostratigraphic Dating of a Continental Middle Miocene Section in the Arid Central Asia. *Front. Earth Sci.* **6**, 49, doi: 10.3389/feart.2018.00049.
70. Sabatino N, Meyers SR, **Voigt S**, Coccioni R, Sprovieri M (2018) A new high-resolution carbon-isotope stratigraphy for the Campanian (Bottaccione section): Its implications for global correlation, ocean circulation and astrochronology. *Palaeogeogr Palaeoclim Palaeoecol* **489**, 29–39, https://doi.org/10.1016/j.palaeo.2017.08.026.
69. Bahr A, Hoffmann J, Schönfeld J, Schmidt MW, Nürnberg D, Batenburg SJ, **Voigt S** (2018) Low-latitude expressions of high-latitude forcing mechanisms during HS1 and YD: new insights into the timing and structure of the South American monsoon system. *Glob Planet Change* **160**, 1–9, doi:10.1016/j.gloplacha.2017.11.008.
68. Batenburg SJ, Friedrich O, Moriya K, **Voigt S**, Cournède C, Moebius I, Blum P, Bornemann A, Fiebig J, Hasegawa T, Hull PM, Norris RD, Röhl U, Sexton P, Westerhold T, Wilson PA, IODP Expedition 342 Scientists (2018) Late Maastrichtian carbon isotope stratigraphy and cyclostratigraphy of the Newfoundland Margin (Site U1403, IODP Leg 342). *Newsl Stratigr* **51**(2), 245–260, doi.org/10.1127/nos/2017/0398.

67. Hellwig* A, **Voigt S**, Mulch A, Frisch K, Bartenstein A, Pross J, Gerdes A, Voigt T (2018) Late Oligocene–early Miocene humidity change in Central Asia recorded in terrestrial sequences from the Ili Basin (SE Kazakhstan). *Sedimentology* **65**(2), 517–539, doi: 10.1111/sed.12390.

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66. **Voigt S**, Weber Y, Frisch K, Bartenstein A, Hellwig A, Petschick R, Bahr A, Pross J, Koutsodendris A, Voigt T, Verestek V, Appel E (2017) Climatically forced moisture supply, sediment flux and pedogenesis in Miocene mudflat deposits of SE Kazakhstan, Central Asia. *Dep Record* **3**(2), 209–232, doi:10.1002/dep2.34.

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65. Bahr A, Albuquerque ALS, Ardenghi N, Batenburg SJ, Bayer M, Catunda MC, Conforti A, Dias B, Díaz Ramos R, Egger LM, Evers F, Fischer T, Hatsukano K, Hennrich B, Hoffmann J, Jivcov S, Kusch S, Munz P, Niedermeyer E, Osborne A, Raddatz J, Raeke AW, Reissig S, Sebastian U, Taniguchi N, Martins Venancio I, **Voigt S**, Wachholz A (2016) South American Hydrological Balance and Paleoceanography during the Late Pleistocene and Holocene (SAMBA) - Cruise No. M125 - March 21 - April 15, 2016 - Rio de Janeiro (Brazil) - Fortaleza (Brazil). Cruise Report, doi:10.2312/cr_m125.
64. Raddatz J, Liebetrau V, Trotter J, Rüggeberg A, Flögel S, Dullo W-C, Eisenhauer A, **Voigt S**, McCulloch M. (2016) Environmental constraints on Holocene cold-water coral reef growth off Norway: Insights from a multi-proxy approach. *Paleoceanography* **31**, doi: 10.1002/2016PA002974.
63. Moiroud M, Pucéat E, Donnadiou Y, Bayon G, Guiraud M, **Voigt S**, Deconinck J-F, Monna F (2016) Evolution of neodymium isotopic signature of seawater in the North Atlantic and Southern Hemisphere during the Late Cretaceous: implications for intermediate and deep circulation. *Gondwana Res* **36**, 503–522, <http://dx.doi.org/10.1016/j.gr.2015.08.005>.
62. Thibault N, Jarvis I, **Voigt S**, Gale AS, Attree K, Jenkyns HC (2016) Astronomical calibration and global correlation of the Santonian (Cretaceous) based on the marine carbon isotope record. *Paleoceanography* **31**, 847–865, doi: 10.1002/2016PA002941.

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61. Herb C, Koutsodendris A, Zhang W, Appel E, Fang X, **Voigt S**, Pross J (2015) Late Pliocene–Pleistocene humidity fluctuations in the western Qaidam Basin (NE Tibetan Plateau) revealed by an integrated magnetic-palynological record from lacustrine sediments. *Quat Res* **84**, 457–466.
60. van Helmond NAGM, Sluijs A, Sinninghe Damsté JS, Reichert G-J, **Voigt S**, Erbacher J, Pross J, Brinkhuis H (2015) Freshwater discharge controlled deposition of Cenomanian–Turonian black shales on the NW European epicontinental shelf (Wunstorf, North Germany). *Clim Past* **11**, 495–508.
59. Herb C, Appel E, **Voigt S**, Koutsodendris A, Pross J, Zhang W, Fang X (2015) Orbitally tuned age model for the late Pliocene–Pleistocene lacustrine succession of drill core SG-1 from the western Qaidam Basin (NE Tibetan Plateau). *Geophys J Internat* **200**, 35–51.
58. Hoffmann* J, Bahr A, **Voigt S**, Schönfeld J, Nürnberg D, Rethemeyer J (2014) Disentangling abrupt deglacial hydrological changes in northern South America: Insolation vs. oceanic forcing. *Geology* **42**, 579–582.
57. Du Vivier ADC, Selby D, Sageman BB, Jarvis I, Gröcke DR, **Voigt S** (2014) Marine ¹⁸⁷Os/¹⁸⁸Os isotope stratigraphy reveals the interaction of volcanism and ocean circulation during Oceanic Anoxic Event 2. *Earth Planet Sci Lett*, **389**, 23–33.
56. Fischer* J, Schneider JW, Hodnett J-PM, Elliot DK, Johnson GD, **Voigt S**, Joachimski MM, Tichomirowa M, Tütken T, Götze J (2013) Stable and radiogenic isotope analyses on shark

- teeth from the Early to the Middle Permian (Sakmarian-Roadian) of the southwestern USA. *Historical Biology* **26**, 710–727.
55. Bahr A, Schönfeld J, Hoffmann J, **Voigt S**, Aurahs R, Kucera M, Flögel, S, Jentzen A, Gerdes A (2013) Comparison of Ba/Ca and $\delta^{18}\text{O}_{\text{WATER}}$ as freshwater proxies: a multi-species core-top study on planktonic foraminifera from the vicinity of the Orinoco River mouth. *Earth Planet Sci Lett* **383**, 45–57.
 54. Jung* C, Koch M, **Voigt S**, Friedrich O, Frank M, 2013. Campanian-Maastrichtian ocean circulation in the tropical Pacific. *Paleoceanography* **28**, doi:10.1002/palo.20051.
 53. **Voigt S**, Jung C, Friedrich O, Frank M, Teschner C, Hoffmann J (2013) Tectonically restricted deep-ocean circulation at the end of the Cretaceous greenhouse. *Earth Planet Sci Lett*, **369–370**, 169–177.
 52. Fischer* J, Schneider JW, **Voigt S**, Joachimski MM, Tichomirowa M, Tütken T, Götze J, Berner U (2013) Oxygen and strontium isotopes from fossil shark teeth: environmental and ecological implications for Late Palaeozoic European basins. *Chem Geol* **342**, 44–62.
 51. Fischer*, J, **Voigt, S**, Franz, M, Schneider, JW, Joachimski, MM, Tichomirowa, M, Götze, J, Furrer, H (2012) Palaeoenvironments of the late Triassic Rhaetian Sea: implications from oxygen and strontium isotopes of hybodont shark teeth. *Palaeogeogr Palaeoclim Palaeoecol* **353–355**, 60–72.
 50. Jung*, C, **Voigt, S**, Friedrich, O (2012) High-resolution carbon-isotope stratigraphy across the Campanian-Maastrichtian boundary at Shatsky Rise (tropical Pacific). *Cret Res* **37**, 177–187.
 49. **Voigt, S**, Gale, AS, Jung, C, Jenkyns, HC (2012) Global correlation of Upper Campanian–Maastrichtian successions using carbon-isotope stratigraphy: development of a new Maastrichtian Timescale. *Newsl Stratigr* **45/1**, 25–53.
 48. Friedrich, O, **Voigt, S**, Kuhnt, T, Koch, M (2011) Repeated bottom-water oxygenation during OAE 2: Timing and duration of short-lived benthic foraminiferal repopulation events (Wunstorf, northern Germany). *J Micropaleont* **30**, 119–128.
 47. Fischer*, J, Voigt, S, Schneider, JW, Buchwitz, M, **Voigt, S** (2011) A Selachian freshwater fauna from the Triassic of Kyrgyzstan and its implication for Mesozoic shark nurseries. *J Vertebr Paleont* **31/5**, 937–953.
 46. Flögel, S, Wallmann, K, Poulsen, CJ, Zhou, J, Oschlies, A, **Voigt, S**, Kuhnt, W (2011) Simulating the biogeochemical effects of volcanic CO₂ degassing on the oxygen-state of the deep ocean during the Cenomanian/Turonian Anoxic Event (OAE 2). *Earth and Planet Sci Lett* **305**, 371–384.