

## BRIAN E. TUCHOLKE PUBLICATIONS

• Author/editor of 8 books and special publications; author of 117 peer-reviewed research papers, 35 miscellaneous publications, 21 maps and charts, and more than 200 research abstracts and presentations in marine geology and geophysics.

### Peer-Reviewed Papers in Journals and Books (excluding Ocean Drilling)

- 2023 107) **Tucholke, B. E.**, R. Parnell-Turner, and D. K. Smith, The Global Spectrum of Seafloor Morphology on Mid-Ocean Ridge Flanks Related to Magma Supply, *J. Geophys. Res.: Solid Earth*, v. 128, e2023JB027367. <https://doi.org/10.1029/2023JB027367>, 2023.
- 2019 106) \*Zheng, T., **B. E. Tucholke**, and J. Lin, Long-term evolution of nontransform discontinuities at the Mid-Atlantic Ridge, 24°N–27°30'N, *J. Geophys. Res.*, v. 124, <https://doi.org/10.1029/2019JB017648>, 2019.
- 2017 105) Gardner, W. D., **B. E. Tucholke**, M. J. Richardson, and P. E. Biscaye, Benthic storms, nepheloid layers, and linkage with upper ocean dynamics in the western North Atlantic, *Marine Geol.*, 385, 304-327, doi: 10.1016/j.margeo.2016.12.012, 2017.
- 2017 104) \*Boyle, P. R., B. W. Romans, **B. E. Tucholke**, R. D. Norris, S. A. Swift, and P. F. Sexton, Cenozoic North Atlantic deep circulation history recorded in contourite drifts, offshore Newfoundland, Canada, *Marine Geol.*, 385, 185-203, doi: 10.1016/j.margeo.2016.12.014, 2017.
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- 2013 102) **Tucholke, B. E.**, S. E. Humphris, and H. J. B. Dick, Cemented mounds and hydrothermal sediments on the detachment surface at Kane Megamullion: A new manifestation of hydrothermal venting, *Geochem. Geophys. Geosyst.*, 14, 3352–3378, doi: 10.1002/ggge.20186, 2013.
- 101) \*Hansen L. N., M. J. Cheadle, B. E. John, S. M. Swapp, H. J. B. Dick, **B. E. Tucholke**, and M. A. Tivey, Mylonitic deformation at the Kane oceanic core complex: Implications for the rheological behavior of oceanic detachment faults, *Geochem. Geophys. Geosyst.*, 14, 3085–3108, doi:10.1002/ggge.20184, 2013.
- 2012 100) **Tucholke, B. E.**, and J.-C. Sibuet, Problematic plate reconstruction, *Nature Geoscience*, 5, 676-677, 2012.
- 99) Kaim, A., **B. E. Tucholke**, and A. Warén, A new Late Pliocene large provannid gastropod associated with hydrothermal venting at Kane Megamullion, Mid-Atlantic Ridge, *J. Systematic Paleontology*, 10, 423-433, 2012.
- 98) Sibuet, J.-C., and **B. E. Tucholke**, The geodynamic province of transitional lithosphere adjacent to magma-poor continental margins, *in* Mohriak, W. U., A. Danforth, P. J. Post, D. E. Brown, G. C. Tari, N. Nemcok, and S. T. Sinha, ed's., *Conjugate Divergent Margins*, Geological Society London Special Publication 369, p. 429-452, doi: 10.1144/SP369.15, 2012.

- 97) **Tucholke, B. E.**, and R. B. Whitmarsh, The Newfoundland-Iberia conjugate rifted margins, in Roberts, D. G., and A. W. Bally, eds., *Phanerozoic Passive Margins, Cratonic Basins and Global Tectonic Maps*, Elsevier, pp. 343-382, doi: 10.1016/B978-0-444-56357-6.00009-3, 2012.
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