

Scientific publications in journals and books

2004-2009

- LIEBEZEIT G., **BÖTTCHER M.E.**, GEHLKEN P.-L., GERDES G., HEINZE A., MEDERER J., SCHNETZGER B., & SEGL M. (2009) Methane-derived carbonate concretions in modern intertidal sediments of the temperate humid climate zone. Subm.
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- AL-RAEI A.M., BOSSELMANN K., **BÖTTCHER M.E.**, HESPENHEIDE B. & TAUBER F. (2009) Seasonal dynamics of microbial sulfate reduction in temperate intertidal surface sediments: Controls by temperature and organic matter. *Ocean Dynamics*, accept..
- JANSEN S., Walpersdorf E., Werner U., Billerbeck M., **BÖTTCHER M.E.** & de Beer, D. (2009) Functioning of intertidal flats inferred from temporal and spatial dynamics of O₂, H₂S and pH in their surface sediment. *Ocean dynamics*, in press.
- BÖTTCHER M.E.** (2009) Isotopes (Sulfur). In (REITNER J. & THIEL V. (eds.)) *Encyclopaedia of Geobiology*. Springer, accept.
- BÖTTCHER M.E.** (2009) Manganese (Sedimentary carbonates and sulfides). In (REITNER J. & THIEL V. (eds.)) *Encyclopaedia of Geobiology*. Springer, accept.
- HETZEL A., **BÖTTCHER M.E.**, WORTMANN U.G. & BRUMSACK H.-J. (2009) Paleo-redox conditions during OAE 2 reflected in Demerara Rise sediment geochemistry (ODP Leg 207) *Palaeogeography, Palaeoclimatology, Palaeoecology*, in press..
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- BÖTTCHER M.E.** & BOUILLON S. (2008) Preface to 'Stable Isotopes in Biogeosciences II'. *Org. Geochem.* **39**, 1647-1648.
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- BÖTTCHER M.E.**, BRUMSACK H.-J. & DÜRSELEN C.-D. (2007) The isotopic composition of modern seawater sulfate: I. Coastal waters with special regard to the North Sea. *J. Mar. Sys.* **67**, 73-82.
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