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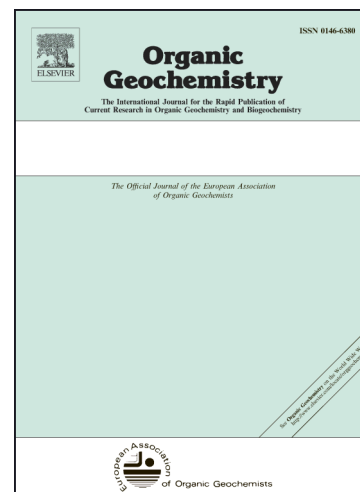
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Sedimentary alkenone distributions reflect salinity changes in the Baltic Sea over the
Holocene

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ABSTRACT

The Baltic Sea has had a complex salinity history since the last deglaciation. Here we show how distributions of alkenones and their δD values varied with past fluctuations in salinity in the Baltic Sea over the Holocene by examining a Holocene record (11.2–0.1 cal kyr BP) from the Arkona Basin. Major changes in the alkenone distribution, i.e. changes in the fractional abundance of the C_{37:4} Me alkenone, the C_{38:2} Et alkenone and a C_{36:2} Me alkenone, the latter

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