

L130-006

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Impact of global ocean warming on upwelling in the Kuroshio frontal region of the southwestern coast of Japan over the last 100 yr

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The main objective of this study is to examine the impact of global ocean warming on upwelling in the Kuroshio frontal region over the last 100 yr. For this purpose, we made use of sediment cores in the Bungo Channel and analysed foraminiferal Mg/Ca ratios, which can demonstrate the long-term increasing trend of temperature of the upwelling water.