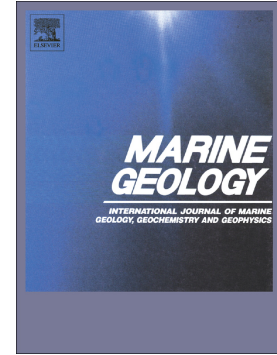


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A new Chalcolithic-era tsunami event identified in the offshore sedimentary record of Jisral Zarka (Israel)

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Abstract

Tsunami field evidence is a critical resource for determining coastal risk. However, in many cases there is low potential for long term preservation of such deposits on land. A growing body of evidence suggests that tsunami deposits can be present in the shallow offshore realm and may present a largely untapped, but important worldwide sedimentological reference set for investigating past tsunami events. Here, different proxies for tsunami sediment identification and differentiation (granulometry, XRD, XRF, FT-IR) were used to determine the presence or

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