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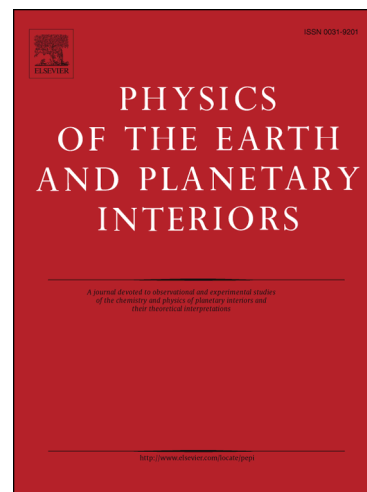
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Shallow structure of the Tangshan fault zone unveiled by dense seismic array and horizontal-to-vertical spectral ratio method

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Abstract The Tangshan fault zone has been considered to be a potential seismogenic fault from the devastating 1976 M_s 7.8 Tangshan earthquake. Based on the dense seismic array with interstation distance of ~ 1 km and length of ~ 40 km, HVSR (horizontal-to-vertical spectral ratio) curves at 37 stations are obtained with the micro-tremor seismic waveforms, and the two-dimensional Quaternary sedimentary

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