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Titolo	Dead Sea Transform Fault System: Reviews / / edited by Zvi Garfunkel, Zvi Ben-Avraham, Elisa Kagan
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Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (365 p.)
Collana	Modern Approaches in Solid Earth Sciences, , 1876-1682 ; ; 6
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Geophysical studies of the crustal structure along the Dead Sea fault -- Geophysical studies of the lithosphere along the Dead Sea transform -- The seismogenic thickness along the Dead Sea transform -- The Dead Sea transform and the volcanism in northwestern Arabia -- Lateral motion and deformation along the Dead Sea transform -- Pleistocene strain partitioning during transpression along the Dead Sea fault, Metulla Saddle, northern Israel -- Review of on-fault palaeoseismic studies along the Dead Sea fault -- Pre-instrumental earthquakes along the Dead Sea rift -- Instrumental data on the seismic activity along the Dead Sea transform -- Evolution of Neogene-Quaternary waterbodies in the Dead Sea rift and their global climate relation -- Saline water in the Dead Sea rift - the role of runoff and relative humidity.
Sommario/riassunto	The Dead Sea transform is an active plate boundary connecting the Red Sea seafloor spreading system to the Arabian-Eurasian continental collision zone. Its geology and geophysics provide a natural laboratory for investigation of the surficial, crustal and mantle processes occurring along transtensional and transpressional transform fault domains on a lithospheric scale and related to continental breakup. There have been

many detailed and disciplinary studies of the Dead Sea transform fault zone during the last 20 years and this book brings them together. This book is an updated comprehensive coverage of the knowledge, based on recent studies of the tectonics, structure, geophysics, volcanism, active tectonics, sedimentology, and paleo- and modern climate of the Dead Sea transform fault zone. It puts together all this new information and knowledge in a coherent fashion.