List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fluvial palaeohydrology in the 21st century and beyond. Earth Surface Processes and Landforms, 2022, 47, 58-81.	2.5	16
2	Reduced Rainfall in Future Heavy Precipitation Events Related to Contracted Rain Area Despite Increased Rain Rate. Earth's Future, 2022, 10, e2021EF002397.	6.3	9
3	The modern wave-induced coastal staircase morphology along the western shores of the Dead Sea. Geomorphology, 2022, 408, 108237.	2.6	5
4	Phases of stability during major hydroclimate change ending the Last Glacial in the Levant. Scientific Reports, 2022, 12, 6052.	3.3	8
5	Sedimentology and stratigraphy of a modern halite sequence formed under Dead Sea level fall. Sedimentology, 2021, 68, 1069-1090.	3.1	15
6	Quaternary influx of proximal coarse-grained dust altered circum-Mediterranean soil productivity and impacted early human culture. Geology, 2021, 49, 61-65.	4.4	14
7	Toward Narrowing Uncertainty in Future Projections of Local Extreme Precipitation. Geophysical Research Letters, 2021, 48, e2020GL091823.	4.0	17
8	Floodâ€durationâ€integrated stream power and frequency magnitude of >50â€yearâ€long sediment discharge out of a hyperarid watershed. Earth Surface Processes and Landforms, 2021, 46, 1348-1362.	2.5	9
9	From straight to deeply incised meandering channels: Slope impact on sinuosity of confined streams. Earth Surface Processes and Landforms, 2021, 46, 1041-1054.	2.5	14
10	The paleohydrological implications of aragonite precipitation under contrasting climates in the endorheic Dead Sea and its precursors revealed by experimental investigations. Chemical Geology, 2021, 576, 120261.	3.3	12
11	How Does Coastal Gravel Get Sorted Under Stormy Longshore Transport?. Geophysical Research Letters, 2021, 48, .	4.0	7
12	Hydroclimatic variability of opposing Late Pleistocene climates in the Levant revealed by deep Dead Sea sediments. Climate of the Past, 2021, 17, 2653-2677.	3.4	3
13	Corrigendum to "Both differential and equatorial heating contributed to African monsoon variations during the mid-Holocene―[Earth Planet. Sci. Lett. 522 (2019) 20–29]. Earth and Planetary Science Letters, 2020, 530, 115938.	4.4	0
14	Eco-hydrology and geomorphology of the largest floods along the hyperarid Kuiseb River, Namibia. Journal of Hydrology, 2020, 582, 124450.	5.4	15
15	Salt tectonics in the Eastern Mediterranean Sea: Where a giant delta meets a salt giant. Geology, 2020, 48, 134-138.	4.4	21
16	Reply to comment on Ben Dor Y. etÂal. "Varves of the Dead Sea sedimentary record.―Quaternary Science Reviews 215 (2019): 173–184. Quaternary Science Reviews, 2020, 231, 106063.	3.0	2
17	Hydroclimatic Controls on Salt Fluxes and Halite Deposition in the Dead Sea and the Shaping of "Salt Giants― Geophysical Research Letters, 2020, 47, e2020GL090836.	4.0	5
18	Locally recycled late Pleistocene loess feeds modern dust storms at the desert margins of the eastern Mediterranean, Israel. Aeolian Research, 2020, 46, 100612.	2.7	12

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19	Linking frequency of rainstorms, runoff generation and sediment transport across hyperarid talusâ€pediment slopes. Earth Surface Processes and Landforms, 2020, 45, 1644-1659.	2.5	15
20	Quaternary evolution of a hyperarid drainage under climatic fluctuations and rift-margin base-level fall, NE Negev, Israel. Geomorphology, 2020, 354, 107042.	2.6	4
21	Determining Bathymetry of Shallow and Ephemeral Desert Lakes Using Satellite Imagery and Altimetry. Geophysical Research Letters, 2020, 47, e2020GL087367.	4.0	36
22	Radar-based characterisation of heavy precipitation in the eastern Mediterranean and its representation in a convection-permitting model. Hydrology and Earth System Sciences, 2020, 24, 1227-1249.	4.9	20
23	Both differential and equatorial heating contributed to African monsoon variations during the mid-Holocene. Earth and Planetary Science Letters, 2019, 522, 20-29.	4.4	12
24	Varves of the Dead Sea sedimentary record. Quaternary Science Reviews, 2019, 215, 173-184.	3.0	37
25	Overview of modern atmospheric patterns controlling rainfall and floods into the Dead Sea: Implications for the lake's sedimentology and paleohydrology. Quaternary Science Reviews, 2019, 216, 58-73.	3.0	31
26	Fluvial incision and coarse gravel redistribution across the modern Dead Sea shelf as a result of baseâ€level fall. Earth Surface Processes and Landforms, 2019, 44, 2170-2185.	2.5	9
27	Mean, variance, and trends of Levant precipitation over the past 4500 years from reconstructed Dead Sea levels and stochastic modeling. Quaternary Research, 2019, 91, 751-767.	1.7	35
28	Geochronology, paleogeography, and archaeology of the Acheulian locality of †Evron Landfill in the western Galilee, Israel. Quaternary Research, 2019, 91, 729-750.	1.7	9
29	Sinuosity evolution along an incising channel: New insights from the Jordan River response to the Dead Sea level fall. Earth Surface Processes and Landforms, 2019, 44, 781-795.	2.5	15
30	Increased frequency of torrential rainstorms during a regional late Holocene eastern Mediterranean drought. Quaternary Research, 2018, 89, 425-431.	1.7	21
31	Halite focusing and amplification of salt layer thickness: From the Dead Sea to deep hypersaline basins. Geology, 2018, 46, 851-854.	4.4	24
32	Changing flood frequencies under opposing late Pleistocene eastern Mediterranean climates. Scientific Reports, 2018, 8, 8445.	3.3	22
33	Synoptic-Scale Control over Modern Rainfall and Flood Patterns in the Levant Drylands with Implications for Past Climates. Journal of Hydrometeorology, 2018, 19, 1077-1096.	1.9	47
34	Middle to late Pleistocene shift in eolian silts contribution into Mediterranean soils at the fringe of the Negev loess, Israel. Quaternary Science Reviews, 2018, 191, 101-117.	3.0	14
35	Megalakes in the Sahara? A Review. Quaternary Research, 2018, 90, 253-275.	1.7	38
36	An Israeli haboob: Sea breeze activating local anthropogenic dust sources in the Negev loess. Aeolian Research, 2017, 24, 39-52.	2.7	16

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37	Diversion and morphology of submarine channels in response to regional slopes and localized salt tectonics, Levant Basin. Marine and Petroleum Geology, 2017, 81, 98-111.	3.3	17
38	North Atlantic controlled depositional cycles in MIS 5e layered sediments from the deep Dead Sea basin. Quaternary Research, 2017, 87, 168-179.	1.7	17
39	Geomorphic Response of a Lowâ€Gradient Channel to Modern, Progressive Baseâ€Level Lowering: Nahal HaArava, the Dead Sea. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2468-2487.	2.8	20
40	Response to Engel et al. (in press): Lakes or wetlands? A comment on "The middle Holocene climatic records from Arabia: Reassessing lacustrine environments, shift of ITCZ in Arabian Sea, and impacts of the southwest Indian and African monsoons―by Enzel et al. (2015). Global and Planetary Change, 2017, 148, 268-271.	3.5	6
41	DISTANCE-IMPACTED GRAIN SIZE OF LOESS AND DUST RESULT IN THE FORMATION OF DIVERSE SOIL TYPES AROUND THE MEDITERRANEAN. , 2016, , .		1
42	Hydroclimatic variability in the Levant during the early last glacial (â^¼â€‰â€¯117–75â€⁻ka) derived from micro-facies analyses of deep Dead Sea sediments. Climate of the Past, 2016, 12, 75-90.	3.4	35
43	Seeking Knowledge in the Dust. Eos, 2016, 97, .	0.1	0
44	Response to comment on: "Dead Sea drawdown and monsoonal impacts in the Levant during the last interglacial―[EPSL, 412, 235–244, 2015]. Earth and Planetary Science Letters, 2015, 427, 306-308.	4.4	5
45	Dead Sea drawdown and monsoonal impacts in the Levant during the last interglacial. Earth and Planetary Science Letters, 2015, 412, 235-244.	4.4	120
46	The middle Holocene climatic records from Arabia: Reassessing lacustrine environments, shift of ITCZ in Arabian Sea, and impacts of the southwest Indian and African monsoons. Global and Planetary Change, 2015, 129, 69-91.	3.5	87
47	Provenance of the Various Grain-Size Fractions in the Negev Loess and Potential changes in Major dust Sources to the Eastern Mediterranean. Quaternary Research, 2015, 83, 105-115.	1.7	44
48	Evolution and degradation of flatâ€ŧop mesas in the hyperâ€arid Negev, Israel revealed from <sup>10</sup> Be cosmogenic nuclides. Earth Surface Processes and Landforms, 2014, 39, 1611-1621.	2.5	9
49	Linking coarse silt production in Asian sand deserts and Quaternary accretion of the Chinese Loess Plateau. Geology, 2014, 42, 23-26.	4.4	39
50	From dust to varnish: Geochemical constraints on rock varnish formation in the Negev Desert, Israel. Geochimica Et Cosmochimica Acta, 2014, 126, 97-111.	3.9	60
51	Lithology of the long sediment record recovered by the ICDP Dead Sea Deep Drilling Project (DSDDP). Quaternary Science Reviews, 2014, 102, 149-165.	3.0	105
52	Paleohydrology of extraordinary floods along the Swakop River at the margin of the Namib Desert and their paleoclimate implications. Quaternary Science Reviews, 2014, 103, 153-169.	3.0	24
53	Climate Variability and Flood Frequency at Decadal to Millennial Time Scales. Water Science and Application, 2013, , 21-45.	0.3	22
54	Impacts of abrupt climate changes in the Levant from Last Glacial Dead Sea levels. Quaternary Science Reviews, 2013, 69, 1-7.	3.0	181

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55	Erosion of a granite inselberg, Gross Spitzkoppe, Namib Desert. Geomorphology, 2013, 201, 52-59.	2.6	25
56	The last millennium largest floods in the hyperarid Kuiseb River basin, Namib Desert. Journal of Quaternary Science, 2013, 28, 258-270.	2.1	33
57	Geomorphology-based index for detecting minimal flood stages in arid alluvial streams. Hydrology and Earth System Sciences, 2013, 17, 1021-1034.	4.9	13
58	Late Quaternary weathering, erosion, and deposition in Nahal Yael, Israel: An "impact of climatic change on an arid watershed"?. Bulletin of the Geological Society of America, 2012, 124, 705-722.	3.3	42
59	Multiple dust sources in the Sahara Desert: The importance of sand dunes. Geophysical Research Letters, 2012, 39, .	4.0	86
60	Systematic Mn fluctuations in laminated rock varnish developed on coeval early Holocene flint artifacts along a climatic transect, Negev desert, Israel. Quaternary Research, 2012, 78, 474-485.	1.7	12
61	Rainfall, spring discharge and past human occupancy in the Eastern Mediterranean. Climatic Change, 2012, 112, 769-789.	3.6	16
62	Total suspended particulate matter emissions at high friction velocities from desert landforms. Journal of Geophysical Research, 2011, 116, .	3.3	22
63	Quaternary-scale evolution of sequences of talus flatirons in the hyperarid Negev. Geomorphology, 2011, 127, 41-52.	2.6	36
64	Transition from arid to hyper-arid environment in the southern Levant deserts as recorded by early Pleistocene cummulic Aridisols. Quaternary Science Reviews, 2011, 30, 312-323.	3.0	40
65	The role of the Nile in initiating a massive dust influx to the Negev late in the middle Pleistocene. Bulletin of the Geological Society of America, 2011, 123, 873-889.	3.3	71
66	Abrasion-derived sediments under intensified winds at the latest Pleistocene leading edge of the advancing Sinai–Negev erg. Quaternary Research, 2010, 74, 121-131.	1.7	93
67	The role of rare rainstorms in the formation of calcic soil horizons on alluvial surfaces in extreme deserts. Quaternary Research, 2010, 74, 177-187.	1.7	51
68	Abandonment ages of alluvial landforms in the hyperarid Negev determined by luminescence dating. Journal of Arid Environments, 2010, 74, 861-869.	2.4	52
69	Active sand seas and the formation of desert loess. Quaternary Science Reviews, 2010, 29, 2087-2098.	3.0	160
70	Evolution of vertical knickpoints (waterfalls) with resistant caprock: Insights from numerical modeling. Journal of Geophysical Research, 2010, 115, .	3.3	139
71	Flood routing and alluvial aquifer recharge along the ephemeral arid Kuiseb River, Namibia. Journal of Hydrology, 2009, 368, 262-275.	5.4	119
72	Bathymetry of Lake Lisan controls late Pleistocene and Holocene stream incision in response to base level fall. Geomorphology, 2009, 106, 352-362.	2.6	20

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73	Recent faulting in the southern Arava, Dead Sea Transform: Evidence from single grain luminescence dating. Quaternary International, 2009, 199, 34-44.	1.5	38
74	Significance of primary hilltop loess in reconstructing dust chronology, accretion rates, and sources: An example from the Negev Desert, Israel. Journal of Geophysical Research, 2009, 114, .	3.3	68
75	Suspended dust over southeastern Mediterranean and its relation to atmospheric circulations. International Journal of Climatology, 2008, 28, 915-924.	3.5	131
76	Dynamics of Flood Water Infiltration and Ground Water Recharge in Hyperarid Desert. Ground Water, 2008, 46, 450-461.	1.3	144
77	Sand dunes as a major proximal dust source for late Pleistocene loess in the Negev Desert, Israel. Quaternary Research, 2008, 70, 275-282.	1.7	220
78	The Palaeoflood record of the Gardon River, France: A comparison with the extreme 2002 flood event. Geomorphology, 2008, 98, 71-83.	2.6	61
79	Incision of alluvial channels in response to a continuous base level fall: Field characterization, modeling, and validation along the Dead Sea. Geomorphology, 2008, 93, 524-536.	2.6	66
80	Late Holocene upper bounds of flood magnitudes and twentieth century large floods in the ungauged, hyperarid alluvial Nahal Arava, Israel. Geomorphology, 2008, 95, 274-294.	2.6	14
81	The climatic and physiographic controls of the eastern Mediterranean over the late Pleistocene climates in the southern Levant and its neighboring deserts. Global and Planetary Change, 2008, 60, 165-192.	3.5	300
82	Direct measurements of floodwater infiltration into shallow alluvial aquifers. Journal of Hydrology, 2007, 344, 157-170.	5.4	103
83	Evolution of the Late Pleistocene Holocene Dead Sea Basin from Sequence Statigraphy of Fan Deltas and Lake-Level Reconstruction. Journal of Sedimentary Research, 2007, 77, 680-692.	1.6	57
84	Large floods during late Oxygen Isotope Stage 3, southern Negev desert, Israel. Quaternary Science Reviews, 2006, 25, 704-719.	3.0	36
85	The hydrology and paleohydrology of the Dead Sea tributaries. , 2006, , .		36
86	Permanent Quaternary hyperaridity in the Negev, Israel, resulting from regional tectonics blocking Mediterranean frontal systems. Geology, 2006, 34, 509.	4.4	89
87	Amplified erosion above waterfalls and oversteepened bedrock reaches. Journal of Geophysical Research, 2006, 111, .	3.3	48
88	Holocene Paleoclimates of India. Quaternary Research, 2006, 66, 442-453.	1.7	176
89	Regional and global atmospheric patterns governing rainfall in the southern Levant. International Journal of Climatology, 2006, 26, 55-73.	3.5	142
90	Quaternary lake levels in the Dead Sea basin: Two centuries of research. , 2006, , .		33

6

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91	Landscape development in an hyperarid sandstone environment along the margins of the Dead Sea fault: Implications from dated rock falls. Earth and Planetary Science Letters, 2005, 240, 803-817.	4.4	46
92	Surface ruptures induced by the devastating 1068 AD earthquake in the southern Arava valley, Dead Sea Rift, Israel. Tectonophysics, 2005, 408, 79-99.	2.2	70
93	Late Holocene lake levels of the Dead Sea. Bulletin of the Geological Society of America, 2004, 116, 555.	3.3	240
94	Use of Systematic, Palaeoflood and Historical Data for the Improvement of Flood Risk Estimation. Review of Scientific Methods. Natural Hazards, 2004, 31, 623-643.	3.4	234
95	Atmospheric predictors for major floods in the Negev Desert, Israel. International Journal of Climatology, 2004, 24, 1137-1147.	3.5	40
96	Modern extreme storms and the rainfall thresholds for initiating debris flows on the hyperarid western escarpment of the Dead Sea, Israel. Bulletin of the Geological Society of America, 2004, 116, 718.	3.3	49
97	Late Holocene climates of the Near East deduced from Dead Sea level variations and modern regional winter rainfall. Quaternary Research, 2003, 60, 263-273.	1.7	274
98	Complex exposure histories of chert clasts in the late Pleistocene shorelines of Lake Lisan, southern Israel. Earth Surface Processes and Landforms, 2003, 28, 493-506.	2.5	28
99	Claim of largest flood on record proves false. Eos, 2003, 84, 109.	0.1	8
100	Catastrophic arid episodes in the Eastern Mediterranean linked with the North Atlantic Heinrich events. Geology, 2003, 31, 439.	4.4	275
101	Estimation of sedimentation rates under Mediterranean conditions deduced from the Mishmar Ayyalon Reservoir, Israel. Israel Journal of Earth Sciences, 2003, 52, 21-29.	0.3	3
102	Pattern and tempo of great escarpment erosion. Geology, 2002, 30, 1135.	4.4	95
103	Synoptic climatology of major floods in the Negev Desert, Israel. International Journal of Climatology, 2002, 22, 867-882.	3.5	275
104	Lake Levels and Sequence Stratigraphy of Lake Lisan, the Late Pleistocene Precursor of the Dead Sea. Quaternary Research, 2002, 57, 9-21.	1.7	320
105	High-resolution geological record of historic earthquakes in the Dead Sea basin. Journal of Geophysical Research, 2001, 106, 2221-2234.	3.3	162
106	Displacement history of a limestone normal fault scarp, northern Israel, from cosmogenic36Cl. Journal of Geophysical Research, 2001, 106, 4247-4264.	3.3	83
107	Residual ages of modern sediments in an hyperarid region, Israel. Quaternary Science Reviews, 2001, 20, 795-798.	3.0	45
108	The characteristic time scale for basin hydrological response using radar data. Journal of Hydrology, 2001. 252. 85-99.	5.4	42

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109	Precision of Calibrated Radiocarbon Ages of Historic Earthquakes in the Dead Sea Basin. Radiocarbon, 2001, 43, 1371-1382.	1.8	23
110	Radiocarbon Chronology of the Holocene Dead Sea: Attempting a Regional Correlation. Radiocarbon, 2001, 43, 1179-1189.	1.8	49
111	Determination of escarpment age using morphologic analysis: An example from the Galilee, northern Israel. Bulletin of the Geological Society of America, 2000, 112, 1864-1876.	3.3	14
112	Sediment yield exceeds sediment production in arid region drainage basins. Geology, 2000, 28, 995.	4.4	108
113	Holocene Earthquakes Inferred from a Fan-Delta Sequence in the Dead Sea Graben. Quaternary Research, 2000, 53, 34-48.	1.7	91
114	Reconstructing low levels of Lake Lisan by correlating fan-delta and lacustrine deposits. Quaternary International, 2000, 73-74, 137-144.	1.5	110
115	Relief Inversion in the Avrona Playa as Evidence of Large-Magnitude Historical Earthquakes, Southern Arava Valley, Dead Sea Rift. Quaternary Research, 1999, 52, 76-91.	1.7	55
116	High-Resolution Holocene Environmental Changes in the Thar Desert, Northwestern India. Science, 1999, 284, 125-128.	12.6	373
117	Late Pliocene and Pleistocene reversal of drainage systems in northern Israel: tectonic implications. Geomorphology, 1999, 28, 43-59.	2.6	60
118	Translocated Plio-Pleistocene drainage systems along the Arava fault of the Dead Sea transform. Tectonophysics, 1998, 284, 151-160.	2.2	88
119	Extracting Holocene paleohydrology and paleoclimatology information from modern extreme flood events: An example from southern California. Geomorphology, 1997, 19, 203-226.	2.6	74
120	Luminescence dating of fault-related alluvial fan sediments in the southern Arava Valley, Israel. Quaternary Science Reviews, 1997, 16, 397-402.	3.0	35
121	Estimating the ages of fault scarps in the Arava, Israel. Tectonophysics, 1996, 253, 305-317.	2.2	41
122	Soils as a tool for estimating ages of Quaternary fault scarps in a hyperarid environment — the southern Arava valley, the Dead Sea Rift, Israel. Catena, 1996, 28, 21-45.	5.0	45
123	Late Quaternary Earthquake Chronology from Luminescence Dating of Colluvial and Alluvial Deposits of the Arava Valley, Israel. Quaternary Research, 1996, 46, 107-117.	1.7	49
124	Palaeo and historical flood hydrology, Indian Peninsula. Geological Society Special Publication, 1996, 115, 155-163.	1.3	11
125	Changes in the magnitude and frequency of late Holocene monsoon floods on the Narmada River, central India. Bulletin of the Geological Society of America, 1996, 108, 1134-1148.	3.3	66
126	Magnitude and frequency of Holocene palaeofloods in the southwestern United States: A review and discussion of implications. Geological Society Special Publication, 1996, 115, 121-137.	1.3	3

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127	Use of soils and colluvial deposits in analyzing tectonic events — The southern Arava Rift, Israel. Geomorphology, 1995, 12, 91-107.	2.6	35
128	Geomorphic and hydrologic aspects of monsoon floods on the Narmada and Tapi Rivers in central India. Geomorphology, 1994, 10, 157-168.	2.6	80
129	Flood Frequency of the Mojave River and the Formation of Late Holocene Playa Lakes, Southern California, USA. Holocene, 1992, 2, 11-18.	1.7	55
130	Short-Duration Holocene Lakes in the Mojave River Drainage Basin, Southern California. Quaternary Research, 1992, 38, 60-73.	1.7	94
131	Atmospheric circulation during Holocene lake stands in the Mojave Desert: evidence of regional climate change. Nature, 1989, 341, 44-47.	27.8	129
132	Climate of the Levant. , 0, , 31-44.		14
133	Sedimentology of the Lacustrine Formations in the Dead Sea Basin. , 0, , 83-90.		2
134	Palaeogeography and Palaeohydrology of Fluvial Systems in the Levant, Southeastern Mediterranean. , 0, , 401-416.		2
135	Loess in the Negev Desert: Sources, Loessial Soils, Palaeosols, and Palaeoclimatic Implications. , 0, , 471-482.		4
136	Lake Lisan. , 0, , 107-114.		0
137	Dead Sea Lake Level Changes and Levant Palaeoclimate. , 0, , 115-126.		12
138	Temperature seasonality control on modern halite layers in the Dead Sea: In situ observations. Bulletin of the Geological Society of America, 0, , B31661.1.	3.3	13