## Yehouda Enzel

## List of Publications by Year in descending order

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138 papers

8,208 citations

44069 48 h-index 85 g-index

163 all docs

 $\begin{array}{c} 163 \\ \text{docs citations} \end{array}$ 

163 times ranked 5018 citing authors

#	Article	IF	CITATIONS
1	High-Resolution Holocene Environmental Changes in the Thar Desert, Northwestern India. Science, 1999, 284, 125-128.	12.6	373
2	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
3	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
4	Synoptic climatology of major floods in the Negev Desert, Israel. International Journal of Climatology, 2002, 22, 867-882.	3.5	275
5	Catastrophic arid episodes in the Eastern Mediterranean linked with the North Atlantic Heinrich events. Geology, 2003, 31, 439.	4.4	275
6	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
7	Late Holocene lake levels of the Dead Sea. Bulletin of the Geological Society of America, 2004, 116, 555.	3.3	240
8	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
9	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
10	Impacts of abrupt climate changes in the Levant from Last Glacial Dead Sea levels. Quaternary Science Reviews, 2013, 69, 1-7.	3.0	181
11	Holocene Paleoclimates of India. Quaternary Research, 2006, 66, 442-453.	1.7	176
12	High-resolution geological record of historic earthquakes in the Dead Sea basin. Journal of Geophysical Research, 2001, 106, 2221-2234.	3.3	162
13	Active sand seas and the formation of desert loess. Quaternary Science Reviews, 2010, 29, 2087-2098.	3.0	160
14	Dynamics of Flood Water Infiltration and Ground Water Recharge in Hyperarid Desert. Ground Water, 2008, 46, 450-461.	1.3	144
15	Regional and global atmospheric patterns governing rainfall in the southern Levant. International Journal of Climatology, 2006, 26, 55-73.	3.5	142
16	Evolution of vertical knickpoints (waterfalls) with resistant caprock: Insights from numerical modeling. Journal of Geophysical Research, 2010, 115, .	3.3	139
17	Suspended dust over southeastern Mediterranean and its relation to atmospheric circulations. International Journal of Climatology, 2008, 28, 915-924.	3.5	131
18	Atmospheric circulation during Holocene lake stands in the Mojave Desert: evidence of regional climate change. Nature, 1989, 341, 44-47.	27.8	129

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19	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
20	Flood routing and alluvial aquifer recharge along the ephemeral arid Kuiseb River, Namibia. Journal of Hydrology, 2009, 368, 262-275.	5 <b>.</b> 4	119
21	Reconstructing low levels of Lake Lisan by correlating fan-delta and lacustrine deposits. Quaternary International, 2000, 73-74, 137-144.	1.5	110
22	Sediment yield exceeds sediment production in arid region drainage basins. Geology, 2000, 28, 995.	4.4	108
23	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
24	Direct measurements of floodwater infiltration into shallow alluvial aquifers. Journal of Hydrology, 2007, 344, 157-170.	5.4	103
25	Pattern and tempo of great escarpment erosion. Geology, 2002, 30, 1135.	4.4	95
26	Short-Duration Holocene Lakes in the Mojave River Drainage Basin, Southern California. Quaternary Research, 1992, 38, 60-73.	1.7	94
27	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
28	Holocene Earthquakes Inferred from a Fan-Delta Sequence in the Dead Sea Graben. Quaternary Research, 2000, 53, 34-48.	1.7	91
29	Permanent Quaternary hyperaridity in the Negev, Israel, resulting from regional tectonics blocking Mediterranean frontal systems. Geology, 2006, 34, 509.	4.4	89
30	Translocated Plio-Pleistocene drainage systems along the Arava fault of the Dead Sea transform. Tectonophysics, 1998, 284, 151-160.	2.2	88
31	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 <b>.</b> 5	87
32	Multiple dust sources in the Sahara Desert: The importance of sand dunes. Geophysical Research Letters, 2012, 39, .	4.0	86
33	Displacement history of a limestone normal fault scarp, northern Israel, from cosmogenic36Cl. Journal of Geophysical Research, 2001, 106, 4247-4264.	3.3	83
34	Geomorphic and hydrologic aspects of monsoon floods on the Narmada and Tapi Rivers in central India. Geomorphology, 1994, 10, 157-168.	2.6	80
35	Extracting Holocene paleohydrology and paleoclimatology information from modern extreme flood events: An example from southern California. Geomorphology, 1997, 19, 203-226.	2.6	74
36	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

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37	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
38	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, .	<b>3.</b> 3	68
39	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
40	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
41	The Palaeoflood record of the Gardon River, France: A comparison with the extreme 2002 flood event. Geomorphology, 2008, 98, 71-83.	2.6	61
42	Late Pliocene and Pleistocene reversal of drainage systems in northern Israel: tectonic implications. Geomorphology, 1999, 28, 43-59.	2.6	60
43	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
44	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
45	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
46	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
47	Abandonment ages of alluvial landforms in the hyperarid Negev determined by luminescence dating. Journal of Arid Environments, 2010, 74, 861-869.	2.4	52
48	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
49	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
50	Radiocarbon Chronology of the Holocene Dead Sea: Attempting a Regional Correlation. Radiocarbon, 2001, 43, 1179-1189.	1.8	49
51	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
52	Amplified erosion above waterfalls and oversteepened bedrock reaches. Journal of Geophysical Research, 2006, $111$ , .	3.3	48
53	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
54	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

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55	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
56	Residual ages of modern sediments in an hyperarid region, Israel. Quaternary Science Reviews, 2001, 20, 795-798.	3.0	45
57	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
58	The characteristic time scale for basin hydrological response using radar data. Journal of Hydrology, 2001, 252, 85-99.	5.4	42
59	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
60	Estimating the ages of fault scarps in the Arava, Israel. Tectonophysics, 1996, 253, 305-317.	2.2	41
61	Atmospheric predictors for major floods in the Negev Desert, Israel. International Journal of Climatology, 2004, 24, 1137-1147.	3.5	40
62	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
63	Linking coarse silt production in Asian sand deserts and Quaternary accretion of the Chinese Loess Plateau. Geology, 2014, 42, 23-26.	4.4	39
64	Recent faulting in the southern Arava, Dead Sea Transform: Evidence from single grain luminescence dating. Quaternary International, 2009, 199, 34-44.	1.5	38
65	Megalakes in the Sahara? A Review. Quaternary Research, 2018, 90, 253-275.	1.7	38
66	Varves of the Dead Sea sedimentary record. Quaternary Science Reviews, 2019, 215, 173-184.	3.0	37
67	Large floods during late Oxygen Isotope Stage 3, southern Negev desert, Israel. Quaternary Science Reviews, 2006, 25, 704-719.	3.0	36
68	The hydrology and paleohydrology of the Dead Sea tributaries. , 2006, , .		36
69	Quaternary-scale evolution of sequences of talus flatirons in the hyperarid Negev. Geomorphology, 2011, 127, 41-52.	2.6	36
70	Determining Bathymetry of Shallow and Ephemeral Desert Lakes Using Satellite Imagery and Altimetry. Geophysical Research Letters, 2020, 47, e2020GL087367.	4.0	36
71	Use of soils and colluvial deposits in analyzing tectonic events — The southern Arava Rift, Israel. Geomorphology, 1995, 12, 91-107.	2.6	35
72	Luminescence dating of fault-related alluvial fan sediments in the southern Arava Valley, Israel. Quaternary Science Reviews, 1997, 16, 397-402.	3.0	35

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73	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
74	Hydroclimatic variability in the Levant during the early last glacial (â^¼â€‰â€¯117–75 ka) derived from micro-facies analyses of deep Dead Sea sediments. Climate of the Past, 2016, 12, 75-90.	3.4	35
75	Quaternary lake levels in the Dead Sea basin: Two centuries of research. , 2006, , .		33
76	The last millennium largest floods in the hyperarid Kuiseb River basin, Namib Desert. Journal of Quaternary Science, 2013, 28, 258-270.	2.1	33
77	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
78	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
79	Erosion of a granite inselberg, Gross Spitzkoppe, Namib Desert. Geomorphology, 2013, 201, 52-59.	2.6	25
80	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
81	Halite focusing and amplification of salt layer thickness: From the Dead Sea to deep hypersaline basins. Geology, 2018, 46, 851-854.	4.4	24
82	Precision of Calibrated Radiocarbon Ages of Historic Earthquakes in the Dead Sea Basin. Radiocarbon, 2001, 43, 1371-1382.	1.8	23
83	Total suspended particulate matter emissions at high friction velocities from desert landforms. Journal of Geophysical Research, $2011, 116, \ldots$	3.3	22
84	Climate Variability and Flood Frequency at Decadal to Millennial Time Scales. Water Science and Application, 2013, , 21-45.	0.3	22
85	Changing flood frequencies under opposing late Pleistocene eastern Mediterranean climates. Scientific Reports, 2018, 8, 8445.	3.3	22
86	Increased frequency of torrential rainstorms during a regional late Holocene eastern Mediterranean drought. Quaternary Research, 2018, 89, 425-431.	1.7	21
87	Salt tectonics in the Eastern Mediterranean Sea: Where a giant delta meets a salt giant. Geology, 2020, 48, 134-138.	4.4	21
88	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
89	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
90	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

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91	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
92	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
93	Toward Narrowing Uncertainty in Future Projections of Local Extreme Precipitation. Geophysical Research Letters, 2021, 48, e2020GL091823.	4.0	17
94	Rainfall, spring discharge and past human occupancy in the Eastern Mediterranean. Climatic Change, 2012, 112, 769-789.	3.6	16
95	An Israeli haboob: Sea breeze activating local anthropogenic dust sources in the Negev loess. Aeolian Research, 2017, 24, 39-52.	2.7	16
96	Fluvial palaeohydrology in the 21st century and beyond. Earth Surface Processes and Landforms, 2022, 47, 58-81.	2.5	16
97	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
98	Eco-hydrology and geomorphology of the largest floods along the hyperarid Kuiseb River, Namibia. Journal of Hydrology, 2020, 582, 124450.	5.4	15
99	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
100	Sedimentology and stratigraphy of a modern halite sequence formed under Dead Sea level fall. Sedimentology, 2021, 68, 1069-1090.	3.1	15
101	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
102	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
103	Climate of the Levant. , 0, , 31-44.		14
104	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
105	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
106	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
107	Geomorphology-based index for detecting minimal flood stages in arid alluvial streams. Hydrology and Earth System Sciences, 2013, 17, 1021-1034.	4.9	13
108	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

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109	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
110	Dead Sea Lake Level Changes and Levant Palaeoclimate. , 0, , 115-126.		12
111	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
112	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
113	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
114	Palaeo and historical flood hydrology, Indian Peninsula. Geological Society Special Publication, 1996, 115, 155-163.	1.3	11
115	Evolution and degradation of flatâ€top 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
116	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
117	Geochronology, paleogeography, and archaeology of the Acheulian locality of â€~Evron Landfill in the western Galilee, Israel. Quaternary Research, 2019, 91, 729-750.	1.7	9
118	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
119	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
120	Claim of largest flood on record proves false. Eos, 2003, 84, 109.	0.1	8
121	Phases of stability during major hydroclimate change ending the Last Glacial in the Levant. Scientific Reports, 2022, 12, 6052.	3.3	8
122	How Does Coastal Gravel Get Sorted Under Stormy Longshore Transport?. Geophysical Research Letters, 2021, 48, .	4.0	7
123	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
124	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
125	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
126	The modern wave-induced coastal staircase morphology along the western shores of the Dead Sea. Geomorphology, 2022, 408, 108237.	2.6	5

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127	Loess in the Negev Desert: Sources, Loessial Soils, Palaeosols, and Palaeoclimatic Implications. , 0, , 471-482.		4
128	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
129	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
130	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
131	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
132	Sedimentology of the Lacustrine Formations in the Dead Sea Basin., 0,, 83-90.		2
133	Palaeogeography and Palaeohydrology of Fluvial Systems in the Levant, Southeastern Mediterranean. , 0, , 401-416.		2
134	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
135	DISTANCE-IMPACTED GRAIN SIZE OF LOESS AND DUST RESULT IN THE FORMATION OF DIVERSE SOIL TYPES AROUND THE MEDITERRANEAN. , 2016, , .		1
136	Lake Lisan. , 0, , 107-114.		0
137	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
138	Seeking Knowledge in the Dust. Eos, 2016, 97, .	0.1	0