

Amotz Agnon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2506105/publications.pdf>

Version: 2024-02-01

61
papers

3,526
citations

172457

29
h-index

138484

58
g-index

61
all docs

61
docs citations

61
times ranked

2648
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene sea levels at the Gulf of Aqaba, northern Red Sea. <i>Quaternary Science Reviews</i> , 2022, 277, 107278.	3.0	0
2	A New Approach to Constrain the Seismic Origin for Prehistoric Turbidites as Applied to the Dead Sea Basin. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090947.	4.0	14
3	Orbital and Millennial Scale Changes in Lake Levels Facilitate Earthquake-Triggered Mass Failures in the Dead Sea Basin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093391.	4.0	8
4	Earthquake supercycles and Long-Term Fault Memory. <i>Tectonophysics</i> , 2020, 774, 228289.	2.2	55
5	A 220,000-year-long continuous large earthquake record on a slow-slipping plate boundary. <i>Science Advances</i> , 2020, 6, .	10.3	28
6	Paleoclimatology of the Levant from Zalmon Cave speleothems, the northern Jordan Valley, Israel. <i>Quaternary Science Reviews</i> , 2019, 220, 142-153.	3.0	16
7	Calibrating a new attenuation curve for the Dead Sea region using surface wave dispersion surveys in sites damaged by the 1927 Jericho earthquake. <i>Solid Earth</i> , 2019, 10, 379-390.	2.8	5
8	An improved evaluation of the seismic/geodetic deformation-rate ratio for the Zagros Fold-and-Thrust collisional belt. <i>Geophysical Journal International</i> , 2018, 213, 194-209.	2.4	29
9	Fire and collapse: Untangling the formation of destruction layers using archaeomagnetism. <i>Geoarchaeology - an International Journal</i> , 2018, 33, 513-528.	1.5	19
10	Holocene hydrological events and human induced environmental changes reflected in a southeastern Mediterranean fluvial archive. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 468, 263-275.	2.3	13
11	U-Th dating of calcite corals from the Gulf of Aqaba. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 285-298.	3.9	22
12	Resolving a historical earthquake date at Tel Yavneh (central Israel) using pollen seasonality. <i>Palynology</i> , 2016, 40, 145-159.	1.5	11
13	Data-Driven Seismic Hazard Models Prepared for a Seismic Risk Assessment in the Dead Sea Region. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 2584-2598.	2.3	6
14	New perspectives on interdisciplinary earth science at the Dead Sea: The DESERVE project. <i>Science of the Total Environment</i> , 2016, 544, 1045-1058.	8.0	34
15	Large geomagnetic field anomalies revealed in Bronze to Iron Age archeomagnetic data from Tel Megiddo and Tel Hazor, Israel. <i>Earth and Planetary Science Letters</i> , 2016, 442, 173-185.	4.4	87
16	Offshore Evidence for an Undocumented Tsunami Event in the "Low Risk" Gulf of Aqaba-Eilat, Northern Red Sea. <i>PLoS ONE</i> , 2016, 11, e0145802.	2.5	24
17	Archaeological record of earthquake ruptures in Tell Ateret, the Dead Sea Fault. <i>Tectonics</i> , 2015, 34, 2105-2117.	2.8	22
18	Variable behavior of the Dead Sea Fault along the southern Arava segment from GPS measurements. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 161-169.	1.2	46

#	ARTICLE	IF	CITATIONS
19	Lithology of the long sediment record recovered by the ICDP Dead Sea Deep Drilling Project (DSDDP). <i>Quaternary Science Reviews</i> , 2014, 102, 149-165.	3.0	105
20	Pre-Instrumental Earthquakes Along the Dead Sea Rift. <i>Modern Approaches in Solid Earth Sciences</i> , 2014, , 207-261.	0.3	30
21	Intrabasin paleoearthquake and quiescence correlation of the late Holocene Dead Sea. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	45
22	Geomagnetic field intensity: How high can it get? How fast can it change? Constraints from Iron Age copper slag. <i>Earth and Planetary Science Letters</i> , 2011, 301, 297-306.	4.4	112
23	Localised and distributed deformation in the lithosphere: Modelling the Dead Sea region in 3 dimensions. <i>Earth and Planetary Science Letters</i> , 2011, 308, 172-184.	4.4	26
24	Paleomagnetic field intensity derived from non-SD: Testing the Thellier IZZI technique on MD slag and a new bootstrap procedure. <i>Earth and Planetary Science Letters</i> , 2011, 310, 213-224.	4.4	27
25	Paleoearthquakes as Anchor Points in Bayesian Radiocarbon Deposition Models: A Case Study from the Dead Sea. <i>Radiocarbon</i> , 2010, 52, 1018-1026.	1.8	9
26	Testing the accuracy of absolute intensity estimates of the ancient geomagnetic field using copper slag material. <i>Earth and Planetary Science Letters</i> , 2010, 290, 201-213.	4.4	46
27	Assessment of the effect of earthquake activity on regional vegetation – High-resolution pollen study of the Ein Feshka section, Holocene Dead Sea. <i>Review of Palaeobotany and Palynology</i> , 2009, 155, 42-51.	1.5	11
28	Earthquake-induced barium anomalies in the Lisan Formation, Dead Sea Rift valley, Israel. <i>Earth and Planetary Science Letters</i> , 2009, 286, 219-229.	4.4	9
29	Slip rate and locking depth from GPS profiles across the southern Dead Sea Transform. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	109
30	Indications for control of the Iceland plume on the Eocene–Oligocene greenhouse–icehouse climate transition. <i>Earth and Planetary Science Letters</i> , 2008, 265, 33-48.	4.4	34
31	Quaternary transform kinematics constrained by sequence stratigraphy and submerged coastline features: The Gulf of Aqaba. <i>Earth and Planetary Science Letters</i> , 2008, 271, 109-122.	4.4	34
32	Holocene Climate Variability and Cultural Evolution in the Near East from the Dead Sea Sedimentary Record. <i>Quaternary Research</i> , 2006, 66, 421-431.	1.7	325
33	Late Quaternary faulting and subsidence in the central Dead Sea basin. <i>Israel Journal of Earth Sciences</i> , 2006, 55, 18-31.	0.3	38
34	A viscoelastic damage rheology and rate- and state-dependent friction. <i>Geophysical Journal International</i> , 2005, 161, 179-190.	2.4	64
35	Evolution of fringing reefs: space and time constraints from the Gulf of Aqaba. <i>Coral Reefs</i> , 2005, 24, 165-172.	2.2	20
36	Dating large infrequent earthquakes by damaged cave deposits. <i>Geology</i> , 2005, 33, 261.	4.4	81

#	ARTICLE	IF	CITATIONS
37	Soft sediment deformation by Kelvin Helmholtz Instability: A case from Dead Sea earthquakes. <i>Earth and Planetary Science Letters</i> , 2005, 236, 497-504.	4.4	48
38	Rock dilation, nonlinear deformation, and pore pressure change under shear. <i>Earth and Planetary Science Letters</i> , 2005, 237, 577-589.	4.4	50
39	High-resolution stratigraphy reveals repeated earthquake faulting in the Masada Fault Zone, Dead Sea Transform. <i>Tectonophysics</i> , 2005, 408, 101-112.	2.2	67
40	Recurrence pattern of Holocene earthquakes along the Dead Sea transform revealed by varve-counting and radiocarbon dating of lacustrine sediments. <i>Earth and Planetary Science Letters</i> , 2004, 222, 301-314.	4.4	217
41	Radial clastic dykes formed by a salt diapir in the Dead Sea Rift, Israel. <i>Terra Nova</i> , 2002, 14, 288-294.	2.1	29
42	Lake Levels and Sequence Stratigraphy of Lake Lisan, the Late Pleistocene Precursor of the Dead Sea. <i>Quaternary Research</i> , 2002, 57, 9-21.	1.7	320
43	Strontium isotopes in discordant dolomite bodies of the Judea Group, Dead Sea basin. <i>Israel Journal of Earth Sciences</i> , 2002, 51, 219-224.	0.3	21
44	High-resolution geological record of historic earthquakes in the Dead Sea basin. <i>Journal of Geophysical Research</i> , 2001, 106, 2221-2234.	3.3	162
45	Hotspot activity and plume pulses recorded by geometry of spreading axes. <i>Earth and Planetary Science Letters</i> , 2001, 189, 31-47.	4.4	17
46	Precision of Calibrated Radiocarbon Ages of Historic Earthquakes in the Dead Sea Basin. <i>Radiocarbon</i> , 2001, 43, 1371-1382.	1.8	23
47	Evidence from gabbro of the Troodos ophiolite for lateral magma transport along a slow-spreading mid-ocean ridge. <i>Nature</i> , 2001, 409, 72-75.	27.8	51
48	Dyke propagation with distributed damage of the host rock. <i>Earth and Planetary Science Letters</i> , 1999, 165, 177-185.	4.4	45
49	Self-driven mode switching of earthquake activity on a fault system. <i>Earth and Planetary Science Letters</i> , 1999, 172, 11-21.	4.4	115
50	The thermal signature of subducted lithospheric slabs at the core-mantle boundary. <i>Earth and Planetary Science Letters</i> , 1998, 160, 551-562.	4.4	5
51	A low-velocity lamella in D_3 . <i>Geophysical Research Letters</i> , 1998, 25, 2885-2888.	4.0	16
52	Crusader castle torn apart by earthquake at dawn, 20 May 1202. <i>Geology</i> , 1998, 26, 303.	4.4	130
53	817-Year-old walls offset sinistrally 2.1 m by the Dead Sea transform, Israel. <i>Journal of Geodynamics</i> , 1997, 24, 11-20.	1.6	84
54	Long-term earthquake clustering: A 50,000-year paleoseismic record in the Dead Sea Graben. <i>Journal of Geophysical Research</i> , 1996, 101, 6179-6191.	3.3	329

#	ARTICLE	IF	CITATIONS
55	Prehistoric earthquake deformations near Masada, Dead Sea graben. <i>Geology</i> , 1995, 23, 695.	4.4	157
56	Rotation about an inclined axis: Three dimensional matrices for reconstructing paleomagnetic and structural data. <i>Journal of Structural Geology</i> , 1995, 17, 777-782.	2.3	14
57	Frictional rheology: hardening by rotation of active normal faults. <i>Tectonophysics</i> , 1995, 247, 239-254.	2.2	7
58	Oceanic topography and heatflow: Indications for a silent discharge of cold rock into the convecting Earth. <i>Geophysical Research Letters</i> , 1995, 22, 1273-1276.	4.0	4
59	Reply to "Comment on "Thermodynamic and elastic properties of a many-body model for simple oxides" TM â€™â€™. <i>Physical Review B</i> , 1991, 44, 7108-7110.	3.2	0
60	Thermodynamic and elastic properties of a many-body model for simple oxides. <i>Physical Review B</i> , 1990, 41, 7755-7766.	3.2	41
61	High pressure shear moduliâ€”A many body model for oxides. <i>Geophysical Research Letters</i> , 1988, 15, 209-212.	4.0	10