

Hezi Gildor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7611601/publications.pdf>

Version: 2024-02-01

77
papers

2,282
citations

304743

22
h-index

233421

45
g-index

79
all docs

79
docs citations

79
times ranked

3195
citing authors

#	ARTICLE	IF	CITATIONS
1	On the mid-Pleistocene transition to 100-kyr glacial cycles and the asymmetry between glaciation and deglaciation times. <i>Paleoceanography</i> , 2003, 18, 1-1-1-8.	3.0	219
2	A coral reef refuge in the Red Sea. <i>Global Change Biology</i> , 2013, 19, 3640-3647.	9.5	199
3	Sea ice as the glacial cyclesâ€™ Climate switch: role of seasonal and orbital forcing. <i>Paleoceanography</i> , 2000, 15, 605-615.	3.0	160
4	Nonlinearity and multifractality of climate change in the past 420,000 years. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	141
5	Coherent Resonant Millennial-Scale Climate Oscillations Triggered by Massive Meltwater Pulses. <i>Journal of Climate</i> , 2003, 16, 2569-2585.	3.2	110
6	A sea ice climate switch mechanism for the 100-kyr glacial cycles. <i>Journal of Geophysical Research</i> , 2001, 106, 9117-9133.	3.3	106
7	Sea-ice switches and abrupt climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1935-1944.	3.4	85
8	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	83
9	A Simple Time-Dependent Model of SST Hot Spots. <i>Journal of Climate</i> , 2003, 16, 3978-3992.	3.2	79
10	Progress in Paleoclimate Modeling*. <i>Journal of Climate</i> , 2006, 19, 5031-5057.	3.2	63
11	Dynamics of a Snowball Earth ocean. <i>Nature</i> , 2013, 495, 90-93.	27.8	58
12	Physical mechanisms behind biogeochemical glacial-interglacial CO ₂ variations. <i>Geophysical Research Letters</i> , 2001, 28, 2421-2424.	4.0	56
13	Evidence for Submesoscale Barriers to Horizontal Mixing in the Ocean from Current Measurements and Aerial Photographs. <i>Journal of Physical Oceanography</i> , 2009, 39, 1975-1983.	1.7	49
14	The annual cycle of vertical mixing and restratification in the Northern Gulf of Eilat/Aqaba (Red Sea) based on high temporal and vertical resolution observations. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 84, 1-17.	1.4	49
15	Sea ice switch mechanism and glacial-interglacial CO ₂ variations. <i>Global Biogeochemical Cycles</i> , 2002, 16, 6-1-6-14.	4.9	43
16	Continental constriction and oceanic iceâ€™cover thickness in a Snowballâ€™Earth scenario. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
17	Asymmetry of Daily Temperature Records. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 3327-3336.	1.7	36
18	When Earth's freezer door is left ajar. <i>Eos</i> , 2003, 84, 215.	0.1	32

#	ARTICLE	IF	CITATIONS
19	The role of dust in glacial–interglacial cycles. <i>Quaternary Science Reviews</i> , 2008, 27, 201-208.	3.0	32
20	Late quaternary variations of elemental ratios (C/Si and N/Si) in diatom-bound organic matter from the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1939-1952.	1.4	27
21	The particle tracking and analysis toolbox (PaTATO) for Matlab. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 586-599.	2.0	26
22	On the Variability of the Circulation and Water Mass Properties in the Eastern Levantine Sea between September 2016–August 2017. <i>Water (Switzerland)</i> , 2019, 11, 1741.	2.7	26
23	The first deep-sea mooring station in the eastern Levantine basin (DeepLev), outline and insights into regional sedimentological processes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 171, 104663.	1.4	26
24	Neolithic Voyages to Cyprus: Wind Patterns, Routes, and Mechanisms. <i>Journal of Island and Coastal Archaeology</i> , 2015, 10, 412-435.	1.4	25
25	Timing and significance of maximum and minimum equatorial insolation. <i>Paleoceanography</i> , 2008, 23, .	3.0	22
26	On the Probability and Spatial Distribution of Ocean Surface Currents. <i>Journal of Physical Oceanography</i> , 2011, 41, 2295-2306.	1.7	22
27	How useful are progressive vector diagrams for studying coastal ocean transport?. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 98-106.	2.0	21
28	Ocean Circulation under Globally Glaciated Snowball Earth Conditions: Steady-State Solutions. <i>Journal of Physical Oceanography</i> , 2014, 44, 24-43.	1.7	21
29	Multiple equilibria and overturning variability of the Aegean-Adriatic Seas. <i>Global and Planetary Change</i> , 2017, 151, 49-59.	3.5	21
30	Deducing an upper bound to the horizontal eddy diffusivity using a stochastic Lagrangian model. <i>Environmental Fluid Mechanics</i> , 2010, 10, 499-520.	1.6	20
31	The residence time of an active versus a passive tracer in the Gulf of Aqaba: A box model approach. <i>Journal of Marine Systems</i> , 2008, 71, 159-170.	2.1	19
32	Observations of tidal currents in the northern Gulf of Eilat/Aqaba (Red Sea). <i>Journal of Marine Systems</i> , 2012, 102-104, 14-28.	2.1	19
33	New Lagrangian diagnostics for characterizing fluid flow mixing. <i>Physics of Fluids</i> , 2014, 26, .	4.0	19
34	Turbulence regulation of <i>Microcystis</i> surface scum formation and dispersion during a cyanobacteria bloom event. <i>Inland Waters</i> , 2020, 10, 51-70.	2.2	19
35	The Stabilization of the Thermohaline Circulation by the Temperature–Precipitation Feedback. <i>Journal of Physical Oceanography</i> , 2002, 32, 2707-2714.	1.7	16
36	Auto-correlated directional swimming can enhance settlement success and connectivity in fish larvae. <i>Journal of Theoretical Biology</i> , 2018, 439, 76-85.	1.7	16

#	ARTICLE	IF	CITATIONS
37	A role for ocean biota in tropical intraseasonal atmospheric variability. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	15
38	Evidence for recent thermohaline variability and processes in the deep water of the Southeastern Levantine Basin, Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 171, 104651.	1.4	15
39	Phase relations between climate proxy records: Potential effect of seasonal precipitation changes. <i>Geophysical Research Letters</i> , 2002, 29, 11-1.	4.0	13
40	Optical properties of the Dead Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1821-1829.	2.6	13
41	Simple stochastic models for glacial dynamics. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	12
42	The Effect of Milankovitch Variations in Insolation on Equatorial Seasonality. <i>Journal of Climate</i> , 2010, 23, 6133-6142.	3.2	11
43	Possible effects of downwelling on the recruitment of coral reef fishes to the Eilat (Red Sea) coral reefs. <i>Limnology and Oceanography</i> , 2007, 52, 2618-2628.	3.1	10
44	The Gulf of Eilat/Aqaba: a natural driven cavity?. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010, 104, 301-308.	1.2	10
45	The effect of stochastic wind on the infinite depth Ekman layer model. <i>Europhysics Letters</i> , 2015, 111, 39001.	2.0	10
46	Operational assimilation of glider temperature and salinity for an improved description of the Cyprus eddy. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 164, 41-53.	1.4	10
47	Convection, Cloud-Radiative Feedbacks and Thermodynamic Ocean Coupling in Simple Models of the Walker Circulation. <i>Geophysical Monograph Series</i> , 0, , 393-405.	0.1	9
48	The role of sea ice in the temperature-precipitation feedback of glacial cycles. <i>Climate Dynamics</i> , 2014, 43, 1001-1010.	3.8	9
49	The Effect of the Source of Deep Water in the Eastern Mediterranean on Western Mediterranean Intermediate and Deep Water. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	9
50	Thermohaline Temporal Variability of the SE Mediterranean Coastal Waters (Israel) – Long-Term Trends, Seasonality, and Connectivity. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	9
51	The seasonal effect in one-dimensional Daisyworld. <i>Journal of Theoretical Biology</i> , 2012, 314, 145-156.	1.7	8
52	Current temporal asymmetry and the role of tides: Nan-Wan Bay vs. the Gulf of Elat. <i>Ocean Science</i> , 2016, 12, 733-742.	3.4	8
53	Evaporation and CO ₂ fluxes in a coastal reef: an eddy covariance approach. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	8
54	Biophysical Simulations Support Schooling Behavior of Fish Larvae Throughout Ontogeny. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	8

#	ARTICLE	IF	CITATIONS
55	Long-range temporal correlations of ocean surface currents. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	7
56	When complexity leads to simplicity: Ocean surface mixing simplified by vertical convection. <i>Physics of Fluids</i> , 2012, 24, .	4.0	7
57	Multiple sea-ice states and abrupt MOC transitions in a general circulation ocean model. <i>Climate Dynamics</i> , 2013, 40, 1803-1817.	3.8	7
58	The effect of wind-stress over the Eastern Mediterranean on deep-water formation in the Adriatic Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 164, 5-13.	1.4	7
59	A Closing Window of Opportunity to Save a Unique Marine Ecosystem. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
60	Energy Budget of a Small Convectively Driven Marginal Sea: The Gulf of Eilat/Aqaba (Northern Red) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	1.7	6
61	The role of the wind in the formation of coherent eddies in the Gulf of Eilat/Aqaba. <i>Journal of Marine Systems</i> , 2015, 142, 75-95.	2.1	6
62	Numerical simulation of harmonic, and trapped, Rossby waves in a channel on the midlatitude <i>P</i>-plane. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2292-2299.	2.7	6
63	Can precipitation over Israel be predicted from Eastern Mediterranean heat content?. <i>International Journal of Climatology</i> , 2017, 37, 2492-2501.	3.5	5
64	A Shallow Thermocline Bias in the Southern Tropical Pacific in CMIP5/6 Models Linked to Double-ITCZ Bias. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093818.	4.0	5
65	The lightning-“biota climatic feedback. <i>Global Change Biology</i> , 2008, 14, 440-450.	9.5	4
66	Two-way interactions between ocean biota and climate mediated by biogeochemical cycles. <i>Israel Journal of Chemistry</i> , 2002, 42, 15-27.	2.3	3
67	Red Sea circulation during marine isotope stage 5e. <i>Paleoceanography</i> , 2015, 30, 384-401.	3.0	3
68	On the Origin of a Chain of Eddies in the Gulf of Eilat/Aqaba. <i>Journal of Physical Oceanography</i> , 2016, 46, 2269-2284.	1.7	3
69	On the role of domain aspect ratio in the westward intensification of wind-driven surface ocean circulation. <i>Ocean Science</i> , 2021, 17, 351-363.	3.4	3
70	Phytoplankton Bloom in the Gulf of Elat/Aqaba: Physical Versus Ecological Forcing. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	3
71	Sea ice, as the glacial cycles’ climate switch, and interhemispheric thermohaline teleconnections. <i>Annals of Glaciology</i> , 2001, 33, 501-506.	1.4	2
72	Reply [to ‘Comment on ‘When Earth's freezer door is left ajar’]. <i>Eos</i> , 2003, 84, 315.	0.1	2

#	ARTICLE	IF	CITATIONS
73	A Quantitative Management Tool Reflecting Impact of Nutrient Enrichment from Mariculture in the Levantine Basin. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	2
74	The bottom Ekman layer and the apparent violation of the maximum principle. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2008, 102, 593-599.	1.2	1
75	Geostrophic adjustment on the f-plane: Symmetric versus anti-symmetric initial height distributions. <i>Physics of Fluids</i> , 2021, 33, 076607.	4.0	1
76	Glacial-Interglacial CO ₂ Variations. , 2004, , 317-352.		0
77	Intraseasonal oscillatory modes in the Eastern Mediterranean Sea. <i>Journal of Physical Oceanography</i> , 2022, , .	1.7	0