

Hezi Gildor

List of Publications by Year in descending order

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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	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
2	Intraseasonal oscillatory modes in the Eastern Mediterranean Sea. <i>Journal of Physical Oceanography</i> , 2022, , .	1.7	0
3	Phytoplankton Bloom in the Gulf of Elat/Aqaba: Physical Versus Ecological Forcing. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	3
4	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
5	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
6	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
7	Geostrophic adjustment on the f-plane: Symmetric versus anti-symmetric initial height distributions. <i>Physics of Fluids</i> , 2021, 33, 076607.	4.0	1
8	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
9	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
10	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
11	A Closing Window of Opportunity to Save a Unique Marine Ecosystem. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
12	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
13	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
14	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	83
15	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
16	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
17	Biophysical Simulations Support Schooling Behavior of Fish Larvae Throughout Ontogeny. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	8
18	Multiple equilibria and overturning variability of the Aegean-Adriatic Seas. <i>Global and Planetary Change</i> , 2017, 151, 49-59.	3.5	21

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19	Can precipitation over Israel be predicted from Eastern Mediterranean heat content?. International Journal of Climatology, 2017, 37, 2492-2501.	3.5	5
20	Evaporation and CO ₂ fluxes in a coastal reef: an eddy covariance approach. Ecosystem Health and Sustainability, 2017, 3, .	3.1	8
21	A Quantitative Management Tool Reflecting Impact of Nutrient Enrichment from Mariculture in the Levantine Basin. Frontiers in Marine Science, 2017, 4, .	2.5	2
22	Current temporal asymmetry and the role of tides: Nan-Wan Bay vs. the Gulf of Elat. Ocean Science, 2016, 12, 733-742.	3.4	8
23	Numerical simulation of harmonic, and trapped, Rossby waves in a channel on the midlatitude ϵ -plane. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2292-2299.	2.7	6
24	The particle tracking and analysis toolbox (PaTATO) for Matlab. Limnology and Oceanography: Methods, 2016, 14, 586-599.	2.0	26
25	On the Origin of a Chain of Eddies in the Gulf of Eilat/Aqaba. Journal of Physical Oceanography, 2016, 46, 2269-2284.	1.7	3
26	Red Sea circulation during marine isotope stage 5e. Paleoceanography, 2015, 30, 384-401.	3.0	3
27	The effect of stochastic wind on the infinite depth Ekman layer model. Europhysics Letters, 2015, 111, 39001.	2.0	10
28	The role of the wind in the formation of coherent eddies in the Gulf of Eilat/Aqaba. Journal of Marine Systems, 2015, 142, 75-95.	2.1	6
29	Neolithic Voyages to Cyprus: Wind Patterns, Routes, and Mechanisms. Journal of Island and Coastal Archaeology, 2015, 10, 412-435.	1.4	25
30	New Lagrangian diagnostics for characterizing fluid flow mixing. Physics of Fluids, 2014, 26, .	4.0	19
31	The role of sea ice in the temperature-precipitation feedback of glacial cycles. Climate Dynamics, 2014, 43, 1001-1010.	3.8	9
32	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. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 84, 1-17.	1.4	49
33	Energy Budget of a Small Convectively Driven Marginal Sea: The Gulf of Eilat/Aqaba (Northern Red) Tj ETQq1 1 0.784314 rgBT _g /Overlook	1.7	19
34	Ocean Circulation under Globally Glaciated Snowball Earth Conditions: Steady-State Solutions. Journal of Physical Oceanography, 2014, 44, 24-43.	1.7	21
35	A coral reef refuge in the Red Sea. Global Change Biology, 2013, 19, 3640-3647.	9.5	199
36	Multiple sea-ice states and abrupt MOC transitions in a general circulation ocean model. Climate Dynamics, 2013, 40, 1803-1817.	3.8	7

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37	Dynamics of a Snowball Earth ocean. <i>Nature</i> , 2013, 495, 90-93.	27.8	58
38	Optical properties of the Dead Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1821-1829.	2.6	13
39	When complexity leads to simplicity: Ocean surface mixing simplified by vertical convection. <i>Physics of Fluids</i> , 2012, 24, .	4.0	7
40	The seasonal effect in one-dimensional Daisyworld. <i>Journal of Theoretical Biology</i> , 2012, 314, 145-156.	1.7	8
41	Continental constriction and oceanic ice cover thickness in a Snowball Earth scenario. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
42	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
43	On the Probability and Spatial Distribution of Ocean Surface Currents. <i>Journal of Physical Oceanography</i> , 2011, 41, 2295-2306.	1.7	22
44	How useful are progressive vector diagrams for studying coastal ocean transport?. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 98-106.	2.0	21
45	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
46	The Effect of Milankovitch Variations in Insolation on Equatorial Seasonality. <i>Journal of Climate</i> , 2010, 23, 6133-6142.	3.2	11
47	The Gulf of Eilat/Aqaba: a natural driven cavity?. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010, 104, 301-308.	1.2	10
48	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
49	Long-range temporal correlations of ocean surface currents. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	7
50	The lightning biota climatic feedback. <i>Global Change Biology</i> , 2008, 14, 440-450.	9.5	4
51	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
52	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
53	Timing and significance of maximum and minimum equatorial insolation. <i>Paleoceanography</i> , 2008, 23, .	3.0	22
54	The role of dust in glacial-interglacial cycles. <i>Quaternary Science Reviews</i> , 2008, 27, 201-208.	3.0	32

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55	Asymmetry of Daily Temperature Records. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 3327-3336.	1.7	36
56	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
57	Progress in Paleoclimate Modeling*. <i>Journal of Climate</i> , 2006, 19, 5031-5057.	3.2	63
58	Simple stochastic models for glacial dynamics. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	12
59	Glacial-Interglacial CO ₂ Variations. , 2004, , 317-352.		0
60	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
61	A role for ocean biota in tropical intraseasonal atmospheric variability. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	15
62	When Earth's freezer door is left ajar. <i>Eos</i> , 2003, 84, 215.	0.1	32
63	Reply [to "Comment on "When Earth's freezer door is left ajar"â€]. <i>Eos</i> , 2003, 84, 315.	0.1	2
64	Nonlinearity and multifractality of climate change in the past 420,000 years. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	141
65	A Simple Time-Dependent Model of SST Hot Spots. <i>Journal of Climate</i> , 2003, 16, 3978-3992.	3.2	79
66	Coherent Resonant Millennial-Scale Climate Oscillations Triggered by Massive Meltwater Pulses. <i>Journal of Climate</i> , 2003, 16, 2569-2585.	3.2	110
67	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
68	The Stabilization of the Thermohaline Circulation by the Temperature-Precipitation Feedback. <i>Journal of Physical Oceanography</i> , 2002, 32, 2707-2714.	1.7	16
69	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
70	Sea ice switch mechanism and glacial-interglacial CO ₂ variations. <i>Global Biogeochemical Cycles</i> , 2002, 16, 6-1-6-14.	4.9	43
71	Phase relations between climate proxy records: Potential effect of seasonal precipitation changes. <i>Geophysical Research Letters</i> , 2002, 29, 11-1.	4.0	13
72	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

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73	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
74	Physical mechanisms behind biogeochemical glacial-interglacial CO ₂ variations. <i>Geophysical Research Letters</i> , 2001, 28, 2421-2424.	4.0	56
75	Sea ice, as the glacial cycles' climate switch, and interhemispheric thermohaline teleconnections. <i>Annals of Glaciology</i> , 2001, 33, 501-506.	1.4	2
76	Sea ice as the glacial cycles' Climate switch: role of seasonal and orbital forcing. <i>Paleoceanography</i> , 2000, 15, 605-615.	3.0	160
77	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