

Yehuda Agnon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8361640/publications.pdf>

Version: 2024-02-01

29
papers

497
citations

623574

14
h-index

677027

22
g-index

30
all docs

30
docs citations

30
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of a nonlinear wave field along a tank: experiments and numerical simulations based on the spatial Zakharov equation. <i>Journal of Fluid Mechanics</i> , 2001, 427, 107-129.	1.4	70
2	Long-period oscillations in a harbour induced by incident short waves. <i>Journal of Fluid Mechanics</i> , 1989, 208, 595-608.	1.4	63
3	Stochastic nonlinear shoaling of directional spectra. <i>Journal of Fluid Mechanics</i> , 1997, 345, 79-99.	1.4	63
4	Solute dispersion in oscillating electro-osmotic flow with boundary mass exchange. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 97-106.	1.0	31
5	Recurrent solutions of Alber's equation for random water-wave fields. <i>Journal of Fluid Mechanics</i> , 2008, 598, 245-266.	1.4	23
6	Sea-swell interaction as a mechanism for the generation of freak waves. <i>Physics of Fluids</i> , 2008, 20, .	1.6	21
7	Extreme run-up events on a vertical wall due to nonlinear evolution of incident wave groups. <i>Journal of Fluid Mechanics</i> , 2016, 797, 644-664.	1.4	19
8	Characteristics of Resuspension, Settling and Diffusion of Particulate Matter in a Water Column. <i>Environmental Fluid Mechanics</i> , 2005, 5, 415-441.	0.7	18
9	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient. <i>Journal of Fluid Mechanics</i> , 2021, 906, .	1.4	18
10	Thermocapillary modulation of self-rewetting films. <i>Journal of Fluid Mechanics</i> , 2017, 819, 562-591.	1.4	17
11	Evaluating hypolimnetic diffusion parameters in thermally stratified lakes. <i>Limnology and Oceanography</i> , 2006, 51, 1906-1914.	1.6	16
12	Nonlinear refractionâ€™ diffraction of water waves: the complementary mild-slope equations. <i>Journal of Fluid Mechanics</i> , 2009, 641, 509-520.	1.4	15
13	Acoustic oscillations driven by boundary massâ€™exchange. <i>Journal of Fluid Mechanics</i> , 2019, 866, 316-349.	1.4	15
14	Viscous effects on wave generation by strong winds. <i>Journal of Fluid Mechanics</i> , 2008, 597, 343-369.	1.4	14
15	STOCHASTIC EVOLUTION MODELS FOR NONLINEAR GRAVITY WAVES OVER UNEVEN TOPOGRAPHY. <i>Series on Quality, Reliability and Engineering Statistics</i> , 2000, , 103-131.	0.2	11
16	A scalar form of the complementary mild-slope equation. <i>Journal of Fluid Mechanics</i> , 2010, 656, 407-416.	1.4	11
17	Impact of extreme waves on a vertical wall. <i>Natural Hazards</i> , 2016, 84, 637-653.	1.6	10
18	Thermocapillary instability in a viscoelastic liquid layer under an imposed oblique temperature gradient. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10

#	ARTICLE	IF	CITATIONS
19	Marangoni instability in the linear Jeffreys fluid with a deformable surface. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	10
20	Fine scale inhomogeneity of wind-wave energy input, skewness, and asymmetry. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	8
21	Accurate refractionâ€“diffraction equations for water waves on a variable-depth rough bottom. <i>Journal of Fluid Mechanics</i> , 2001, 449, 301-311.	1.4	7
22	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient: Effect of a prescribed normal temperature gradient at the substrate. <i>Physics of Fluids</i> , 2020, 32, .	1.6	7
23	Hydroelasticity and nonlinearity in the interaction between water waves and an elastic wall. <i>Journal of Fluid Mechanics</i> , 2018, 845, 293-320.	1.4	6
24	On a uniformly valid model for surface wave interaction. <i>Journal of Fluid Mechanics</i> , 1993, 247, 589-601.	1.4	5
25	Dynamics of a two-layer flow with an interfacial heat source/sink: viscosity stratification. <i>Journal of Fluid Mechanics</i> , 2022, 934, .	1.4	4
26	Mass variation of a thin liquid film driven by an acoustic wave. <i>Physics of Fluids</i> , 2015, 27, .	1.6	2
27	Self-expansion patterns of charged particulates and ionic assemblies. <i>Applied Physics Letters</i> , 2005, 86, 244106.	1.5	1
28	On uniformly accurate high-order Boussinesq difference equations for water waves. <i>International Journal for Numerical Methods in Fluids</i> , 2006, 50, 925-945.	0.9	1
29	FULLY DISPERSIVE EVOLUTION EQUATIONS: WAVE BREAKING AND EFFICIENCY. , 2003, , .		0