

Yehuda Agnon

List of Publications by Year in descending order

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papers

497
citations

623574

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677027

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30
all docs

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docs citations

30
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a two-layer flow with an interfacial heat source/sink: viscosity stratification. Journal of Fluid Mechanics, 2022, 934, .	1.4	4
2	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient. Journal of Fluid Mechanics, 2021, 906, .	1.4	18
3	Thermocapillary instability in a viscoelastic liquid layer under an imposed oblique temperature gradient. Physics of Fluids, 2021, 33, .	1.6	10
4	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient: Effect of a prescribed normal temperature gradient at the substrate. Physics of Fluids, 2020, 32, .	1.6	7
5	Marangoni instability in the linear Jeffreys fluid with a deformable surface. Physical Review Fluids, 2020, 5, .	1.0	10
6	Acoustic oscillations driven by boundary mass exchange. Journal of Fluid Mechanics, 2019, 866, 316-349.	1.4	15
7	Hydroelasticity and nonlinearity in the interaction between water waves and an elastic wall. Journal of Fluid Mechanics, 2018, 845, 293-320.	1.4	6
8	Thermocapillary modulation of self-wetting films. Journal of Fluid Mechanics, 2017, 819, 562-591.	1.4	17
9	Extreme run-up events on a vertical wall due to nonlinear evolution of incident wave groups. Journal of Fluid Mechanics, 2016, 797, 644-664.	1.4	19
10	Impact of extreme waves on a vertical wall. Natural Hazards, 2016, 84, 637-653.	1.6	10
11	Mass variation of a thin liquid film driven by an acoustic wave. Physics of Fluids, 2015, 27, .	1.6	2
12	Solute dispersion in oscillating electro-osmotic flow with boundary mass exchange. Microfluidics and Nanofluidics, 2011, 10, 97-106.	1.0	31
13	A scalar form of the complementary mild-slope equation. Journal of Fluid Mechanics, 2010, 656, 407-416.	1.4	11
14	Nonlinear refraction and diffraction of water waves: the complementary mild-slope equations. Journal of Fluid Mechanics, 2009, 641, 509-520.	1.4	15
15	Sea-swell interaction as a mechanism for the generation of freak waves. Physics of Fluids, 2008, 20, .	1.6	21
16	Viscous effects on wave generation by strong winds. Journal of Fluid Mechanics, 2008, 597, 343-369.	1.4	14
17	Recurrent solutions of Alber's equation for random water-wave fields. Journal of Fluid Mechanics, 2008, 598, 245-266.	1.4	23
18	On uniformly accurate high-order Boussinesq difference equations for water waves. International Journal for Numerical Methods in Fluids, 2006, 50, 925-945.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Evaluating hypolimnetic diffusion parameters in thermally stratified lakes. <i>Limnology and Oceanography</i> , 2006, 51, 1906-1914.	1.6	16
20	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
21	Self-expansion patterns of charged particulates and ionic assemblies. <i>Applied Physics Letters</i> , 2005, 86, 244106.	1.5	1
22	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
23	FULLY DISPERSIVE EVOLUTION EQUATIONS: WAVE BREAKING AND EFFICIENCY. , 2003, , .		0
24	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
25	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
26	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
27	Stochastic nonlinear shoaling of directional spectra. <i>Journal of Fluid Mechanics</i> , 1997, 345, 79-99.	1.4	63
28	On a uniformly valid model for surface wave interaction. <i>Journal of Fluid Mechanics</i> , 1993, 247, 589-601.	1.4	5
29	Long-period oscillations in a harbour induced by incident short waves. <i>Journal of Fluid Mechanics</i> , 1989, 208, 595-608.	1.4	63