Dan Liberzon

List of Publications by Year
in descending order

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31 papers	508 citations	759055 12 h-index	677027 22 g-index
33 all docs	33 docs citations	33 times ranked	502 citing authors

#	Article	IF	Citations
1	The MATERHORN: Unraveling the Intricacies of Mountain Weather. Bulletin of the American Meteorological Society, 2015, 96, 1945-1967.	1.7	145
2	Effect of the initial spectrum on the spatial evolution of statistics of unidirectional nonlinear random waves. Journal of Geophysical Research, 2010, 115, .	3.3	56
3	Experimental study of the initial stages of wind waves' spatial evolution. Journal of Fluid Mechanics, 2011, 681, 462-498.	1.4	43
4	Statistical Analysis of the Spatial Evolution of the Stationary Wind Wave Field. Journal of Physical Oceanography, 2013, 43, 65-79.	0.7	29
5	Lagrangian kinematics of steep waves up to the inception of a spilling breaker. Physics of Fluids, 2014, 26, .	1.6	24
6	Upward-propagating capillary waves on the surface of short Taylor bubbles. Physics of Fluids, 2006, 18, 048103.	1.6	23
7	Separation of upslope flow over a uniform slope. Journal of Fluid Mechanics, 2015, 775, 266-287.	1.4	22
8	Fine-scale turbulent bursts in stableÂatmospheric boundary layer in complex terrain. Journal of Fluid Mechanics, 2017, 833, 745-772.	1.4	18
9	Adsorption-Mediated Mass Streaming in a Standing Acoustic Wave. Physical Review Letters, 2017, 118, 244301.	2.9	16
10	Effect of nearâ€surface wind speed and gustiness on horizontal and vertical porous medium gas transport and gas exchange with the atmosphere. European Journal of Soil Science, 2018, 69, 279-289.	1.8	16
11	Lagrangian Kinematic Criterion for the Breaking of Shoaling Waves. Journal of Physical Oceanography, 2017, 47, 827-833.	0.7	13
12	Effects of Wind Speed and Wind Gustiness on Subsurface Gas Transport. Vadose Zone Journal, 2017, 16, 1-10.	1.3	13
13	Study ofin situcalibration performance of co-located multi-sensor hot-film and sonic anemometers using a â€˜virtual probeâ€™ algorithm. Measurement Science and Technology, 2014, 25, 075801.	1.4	10
14	Enhancement of water droplet evaporation rate by application of low frequency acoustic field. International Journal of Multiphase Flow, 2020, 126, 103217.	1.6	10
15	Tsunami wave suppression using submarine barriers. Physics-Uspekhi, 2010, 53, 809-816.	0.8	9
16	3D-calibration of three- and four-sensor hot-film probes based on collocated sonic using neural networks. Measurement Science and Technology, 2016, 27, 095901.	1.4	9
17	An Inexpensive Method for Measurements of Static Pressure Fluctuations. Journal of Atmospheric and Oceanic Technology, 2010, 27, 776-784.	0.5	7
18	Detection of Breaking Waves in Single Wave Gauge Records of Surface Elevation Fluctuations. Journal of Atmospheric and Oceanic Technology, 2019, 36, 1863-1879.	0.5	6

#	Article	IF	Citations
19	Separation of Upslope Flow over a Plateau. Atmosphere, 2018, 9, 165.	1.0	5
20	Obtaining turbulence statistics of thermally driven anabatic flow by sonic-hot-film combo anemometer. Environmental Fluid Mechanics, 2020, 20, 1221-1249.	0.7	5
21	Wave Height Distributions and Rogue Waves in the Eastern Mediterranean. Journal of Marine Science and Engineering, 2021, 9, 660.	1.2	5
22	Next generation combined sonic-hotfilm anemometer: wind alignment and automated calibration procedure using deep learning. Experiments in Fluids, 2022, 63, 1.	1.1	4
23	Pressure Distribution in Confined Jet Flow. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	3
24	Quasi-geostrophic jet-like flow with obstructions. Journal of Fluid Mechanics, 2021, 921, .	1.4	3
25	Statistics of fetch-limited wind waves observed along the western coast of the Gulf of Aqaba. Ocean Engineering, 2021, 242, 110179.	1.9	3
26	Wave breaking probabilities under wind forcing in open sea and laboratory. Physics of Fluids, 2022, 34, 032122.	1.6	3
27	Data Set of Windâ€“Waves Interactions in the Gulf of Aqaba. International Journal of Ocean and Coastal Engineering, 2018, 01, 1850003.	0.3	2
28	Acoustic-driven droplet evaporation: beyond the role of droplet-gas relative velocity. International Journal of Heat and Mass Transfer, 2021, 171, 121071.	2.5	2
29	Turbulent jet through porous obstructions under Coriolis effect: an experimental investigation. Experiments in Fluids, 2021, 62, 1.	1.1	2
30	Automated identification and characterization method of turbulent bursting from single-point records of the velocity field. Measurement Science and Technology, 2020, 31, 105801.	1.4	2
31	Pressure oscillations due to a sudden, finite-volume, underwater air release. International Journal of Multiphase Flow, 2022, 152, 104064.	1.6	0