

Igor Shugan

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

147
citations

7
h-index

11
g-index

46
ext. papers

178
ext. citations

1.8
avg, IF

2.33
L-index

#	Paper	IF	Citations
35	Breaking Solitary Waves Run-Up on the Inclined Beach. <i>Physics of Wave Phenomena</i> , 2022 , 30, 104-110	1.2	
34	Physics of Traveling Waves in Shallow Water Environment. <i>Water (Switzerland)</i> , 2021 , 13, 2990	3	
33	Kinematics of the Ship Wake in the Presence of a Shear Flow. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 7	2.4	0
32	Wave Breaking Type as a Typical Sign of Nonlinear Wave Transformation Stage in Coastal Zone. <i>Physics of Wave Phenomena</i> , 2020 , 28, 75-82	1.2	4
31	An Experimental and Theoretical Study of Wave Damping due to the Elastic Coating of the Sea Surface. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 571	2.4	0
30	Experimental and Theoretical Study on Flood Bore Propagation and Forerunner Generation in Dam-Break Flow. <i>Physics of Wave Phenomena</i> , 2020 , 28, 274-284	1.2	2
29	The Permanent Downshifting at Later Stages of Benjamin-Feir Instability of Waves. <i>Pure and Applied Geophysics</i> , 2019 , 176, 483-500	2.2	2
28	Laboratory and modeling study on modulated wave properties. <i>Physics of Wave Phenomena</i> , 2017 , 25, 307-314	1.2	
27	Effect of internal waves on the sea surface in two-dimensional case. <i>Physics of Wave Phenomena</i> , 2015 , 23, 68-75	1.2	
26	Discrete evolution of the surface wave spectrum on a nonuniform adverse current. <i>Doklady Earth Sciences</i> , 2015 , 464, 1075-1079	0.6	3
25	An analytical model of the evolution of a Stokes wave and its two Benjamin-Feir sidebands on nonuniform unidirectional current. <i>Nonlinear Processes in Geophysics</i> , 2015 , 22, 313-324	2.9	3
24	AN EXPERIMENTAL STUDY ON NONLINEAR WAVE DYNAMICS: ROUGE WAVE GENERATION AND WAVE BLOCKING. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 34	1.4	
23	FREQUENCY DOWNSHIFTING OF WAVE SPECTRA AND FORMATION OF FREAK WAVES ON NON-UNIFORM OPPOSING CURRENT. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 24	1.4	
22	Elastic plate as floating wave breaker in a beach zone. <i>Physics of Wave Phenomena</i> , 2012 , 20, 199-203	1.2	6
21	Ship Wake Structure on the Finite Sea Depth in the Presence of Wind Waves 2011 ,		1
20	Evolution of salt finger convection with steady wind shear. <i>Acta Astronautica</i> , 2011 , 68, 22-27	2.9	
19	Thin body motion under free surface with formation of final length cavity. <i>Acta Astronautica</i> , 2011 , 68, 46-51	2.9	4

18	Threshold model on the evolution of Stokes wave side-band instability. <i>European Journal of Mechanics, B/Fluids</i> , 2011 , 30, 147-155	2.4	11
17	Kelvin Ship Wake in the Wind Waves Field and on the Finite Sea Depth. <i>Journal of Mechanics</i> , 2011 , 27, 71-77	1	16
16	Dynamical cascade generation as a basic mechanism of Benjamin-Feir instability. <i>Europhysics Letters</i> , 2011 , 95, 30003	1.6	11
15	Modulational Instability in Directional Wave Fields, and Extreme Wave Events 2011 ,		3
14	Current countermeasure of beach erosion control and its application in Taiwan. <i>Ocean and Coastal Management</i> , 2010 , 53, 552-561	3.9	22
13	Marginal stability analysis on salt-fingers convection with parabolic temperature and salinity profiles. <i>Acta Astronautica</i> , 2009 , 65, 591-598	2.9	
12	Overstability analysis on salt-fingers convection with parabolic temperature and salinity profiles. <i>Acta Astronautica</i> , 2009 , 65, 240-247	2.9	
11	Exposure of internal waves on the sea surface. <i>Journal of Fluid Mechanics</i> , 2009 , 626, 1-20	3.7	7
10	Stokes waves modulation by internal waves. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	1
9	Kelvin wake in the presence of surface waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 357, 232-235	2.3	3
8	Calculating the wave runup on a low-sloping beach using a high-order Boussinesq model. <i>Technical Physics Letters</i> , 2006 , 32, 64-66	0.7	6
7	Physical mechanisms of aerospace radar imaging of the ocean. <i>Physics-USpekhi</i> , 2003 , 46, 63-79	2.8	17
6	Physical mechanisms of aerospace radar imaging of the ocean. <i>Uspekhi Fizicheskikh Nauk</i> , 2003 , 173, 69	0.5	4
5	Energy efficiency of the vibration-accelerated liquid mass transfer in a channel. <i>Technical Physics Letters</i> , 2002 , 28, 289-291	0.7	1
4	Streaming flows in a channel with elastic walls. <i>Physics of Fluids</i> , 2002 , 14, 3502-3511	4.4	5
3	On phase kinks, negative frequencies, and other third-order peculiarities of modulated surface waves. <i>Journal of Fluid Mechanics</i> , 1998 , 368, 321-338	3.7	13
2	Statistics of speckle in radar images of the sea surface, recorded in horizontal polarization. <i>Radiophysics and Quantum Electronics</i> , 1983 , 26, 595-601	0.7	
1	Excitation of low-amplitude solitons in systems with decay instability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 96, 53-54	2.3	1

