Nataliya M Stashchuk

List of Publications by Year
in descending order

40	1,026	394421	501196
papers	citations	19 h-index	28 g-index

42	42	42	779
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Setting tidal forcing for regional modelling of internal waves. Ocean Modelling, 2021, 160, 101767.	2.4	4
2	Internal Wave Dynamics Over Isolated Seamount and Its Influence on Coral Larvae Dispersion. Frontiers in Marine Science, 2021, 8, .	2.5	3
3	ThreeâEDimensional Dynamics of Baroclinic Tides Over a Seamount. Journal of Geophysical Research: Oceans, 2018, 123, 1263-1285.	2.6	12
4	Tidally Induced Overflow of the Faroese Channels Bottom Water Over the Wyville Thomson Ridge. Journal of Geophysical Research: Oceans, 2018, 123, 6753-6765.	2.6	5
5	Modelling tidally induced larval dispersal over Anton Dohrn Seamount. Ocean Dynamics, 2018, 68, 1515-1526.	2.2	4
6	Bottom trapped internal waves over the Malin Sea continental slope. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 119, 68-80.	1.4	13
7	Tidally induced residual current over the Malin Sea continental slope. Continental Shelf Research, 2017, 139, 21-34.	1.8	10
8	Tidal Conversion and Mixing Poleward of the Critical Latitude (an Arctic Case Study). Geophysical Research Letters, 2017, 44, 12,349.	4.0	36
9	Focusing of baroclinic tidal energy in a canyon. Journal of Geophysical Research: Oceans, 2016, 121, 2824-2840.	2.6	23
10	Internal tides near the Celtic Sea shelf break: A new look at a well known problem. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 103, 24-36.	1.4	22
11	Horizontal dispersion in shelf seas: High resolution modelling as an aid to sparse sampling. Progress in Oceanography, 2014, 128, 74-87.	3.2	12
12	Model studies of dense water overflows in the Faroese Channels. Ocean Dynamics, 2014, 64, 273-292.	2.2	11
13	Tidal energy conversion in a global hot spot: On the 3âED dynamics of baroclinic tides at the Celtic Sea shelf break. Journal of Geophysical Research: Oceans, 2014, 119, 3249-3265.	2.6	56
14	High-resolution modelling of a large-scale river plume. Ocean Dynamics, 2013, 63, 1307-1320.	2.2	8
15	Generation of baroclinic tides over an isolated underwater bank. Journal of Geophysical Research: Oceans, 2013, 118, 4395-4408.	2.6	27
16	Evidence of short internal waves trailing strong internal solitary waves in the northern South China Sea from synthetic aperture radar observations. Remote Sensing of Environment, 2012, 124, 542-550.	11.0	31
17	On the mechanism of A-type and B-type internal solitary wave generation in the northern South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 69, 100-112.	1.4	30
18	Numerical investigation of deep water circulation in the Faroese Channels. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 787-799.	1.4	4

#	Article	IF	Citations
19	Numerical investigation of internal solitary waves from the Luzon Strait: Generation process, mechanism and three-dimensional effects. Ocean Modelling, 2011, 38, 203-216.	2.4	35
20	Multimodal structure of baroclinic tides in the South China Sea. Nonlinear Processes in Geophysics, 2010, 17, 529-543.	1.3	66
21	Insights into the structure of the Wyville Thomson Ridge overflow current from a fine-scale numerical model. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1192-1205.	1.4	4
22	Three-Dimensional Evolution of Large-Amplitude Internal Waves in the Strait of Gibraltar. Journal of Physical Oceanography, 2009, 39, 2230-2246.	1.7	46
23	Generation of internal waves by a supercritical stratified plume. Journal of Geophysical Research, 2009, 114, .	3.3	35
24	Analysis of Supercritical Stratified Tidal Flow in a Scottish Fjord. Journal of Physical Oceanography, 2007, 37, 1793-1810.	1.7	25
25	Threeâ€dimensional shoaling of largeâ€amplitude internal waves. Journal of Geophysical Research, 2007, 112, .	3.3	67
26	Numerical modelling of stratified tidal flow over a fjord sill. Ocean Dynamics, 2007, 57, 325-338.	2.2	7
27	Evidence of multimodal structure of the baroclinic tide in the Strait of Gibraltar. Geophysical Research Letters, 2006, 33, .	4.0	23
28	Amplification and Suppression of Internal Waves by Tides over Variable Bottom Topography. Journal of Physical Oceanography, 2006, 36, 1959-1973.	1.7	20
29	Numerical modelling of disintegration of basin-scale internal waves in a tank filled with stratified water. Nonlinear Processes in Geophysics, 2005, 12, 955-964.	1.3	14
30	Topographic generation of internal waves by nonlinear superposition of tidal harmonics. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 605-620.	1.4	9
31	Modelling the Gravity Current flowing from the Bosphorus to the Black Sea. Geophysical and Astrophysical Fluid Dynamics, 2003, 97, 1-24.	1.2	7
32	Nonlinear internal waves forced by tides near the critical latitude. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 317-338.	1.4	57
33	Along-slope generation as an explanation for some unusually large internal tides. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1787-1799.	1.4	49
34	Water exchange in fjords induced by tidally generated internal lee waves. Dynamics of Atmospheres and Oceans, 2002, 35, 63-89.	1.8	26
35	Modelling of water exchange through the Strait of the Dardanelles. Continental Shelf Research, 2001, 21, 1361-1382.	1.8	28
36	The study of the instability of currents in the Bosphorus Strait. Physical Oceanography, 1996, 7, 331-338.	0.9	2

#	Article	IF	Citations
37	Investigation of the development of a hydrodynamic instability of currents in the north-western Black Sea. Physical Oceanography, 1995, 6, 411-419.	0.9	1
38	Generation of internal waves resulting from the interaction of a barotropic tide with a horizontallyinhomogeneous density field and bottom topography. Soviet Journal of Physical Oceanography, 1991, 2, 79-87.	0.1	3
39	On the use of a two-layer fluid stratification model in studies of topographically-generated baroclinic tides. Soviet Journal of Physical Oceanography, 1991, 2, 263-268.	0.1	0
40	Interaction of internal waves with a horizontally inhomogeneous density field area overlying a ridge. Soviet Journal of Physical Oceanography, 1990, 1, 495-500.	0.1	0