

# Nataliya M Stashchuk

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,026  
citations

394421

19  
h-index

501196

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional shoaling of large-amplitude internal waves. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	67
2	Multimodal structure of baroclinic tides in the South China Sea. <i>Nonlinear Processes in Geophysics</i> , 2010, 17, 529-543.	1.3	66
3	Nonlinear internal waves forced by tides near the critical latitude. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 317-338.	1.4	57
4	Tidal energy conversion in a global hot spot: On the 3D dynamics of baroclinic tides at the Celtic Sea shelf break. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3249-3265.	2.6	56
5	Along-slope generation as an explanation for some unusually large internal tides. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 1787-1799.	1.4	49
6	Three-Dimensional Evolution of Large-Amplitude Internal Waves in the Strait of Gibraltar. <i>Journal of Physical Oceanography</i> , 2009, 39, 2230-2246.	1.7	46
7	Tidal Conversion and Mixing Poleward of the Critical Latitude (an Arctic Case Study). <i>Geophysical Research Letters</i> , 2017, 44, 12,349.	4.0	36
8	Generation of internal waves by a supercritical stratified plume. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	35
9	Numerical investigation of internal solitary waves from the Luzon Strait: Generation process, mechanism and three-dimensional effects. <i>Ocean Modelling</i> , 2011, 38, 203-216.	2.4	35
10	Evidence of short internal waves trailing strong internal solitary waves in the northern South China Sea from synthetic aperture radar observations. <i>Remote Sensing of Environment</i> , 2012, 124, 542-550.	11.0	31
11	On the mechanism of A-type and B-type internal solitary wave generation in the northern South China Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 69, 100-112.	1.4	30
12	Modelling of water exchange through the Strait of the Dardanelles. <i>Continental Shelf Research</i> , 2001, 21, 1361-1382.	1.8	28
13	Generation of baroclinic tides over an isolated underwater bank. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4395-4408.	2.6	27
14	Water exchange in fjords induced by tidally generated internal lee waves. <i>Dynamics of Atmospheres and Oceans</i> , 2002, 35, 63-89.	1.8	26
15	Analysis of Supercritical Stratified Tidal Flow in a Scottish Fjord. <i>Journal of Physical Oceanography</i> , 2007, 37, 1793-1810.	1.7	25
16	Evidence of multimodal structure of the baroclinic tide in the Strait of Gibraltar. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	23
17	Focusing of baroclinic tidal energy in a canyon. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 2824-2840.	2.6	23
18	Internal tides near the Celtic Sea shelf break: A new look at a well known problem. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 24-36.	1.4	22

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19	Amplification and Suppression of Internal Waves by Tides over Variable Bottom Topography. <i>Journal of Physical Oceanography</i> , 2006, 36, 1959-1973.	1.7	20
20	Numerical modelling of disintegration of basin-scale internal waves in a tank filled with stratified water. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 955-964.	1.3	14
21	Bottom trapped internal waves over the Malin Sea continental slope. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 119, 68-80.	1.4	13
22	Horizontal dispersion in shelf seas: High resolution modelling as an aid to sparse sampling. <i>Progress in Oceanography</i> , 2014, 128, 74-87.	3.2	12
23	Three-dimensional Dynamics of Baroclinic Tides Over a Seamount. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1263-1285.	2.6	12
24	Model studies of dense water overflows in the Faroese Channels. <i>Ocean Dynamics</i> , 2014, 64, 273-292.	2.2	11
25	Tidally induced residual current over the Malin Sea continental slope. <i>Continental Shelf Research</i> , 2017, 139, 21-34.	1.8	10
26	Topographic generation of internal waves by nonlinear superposition of tidal harmonics. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 605-620.	1.4	9
27	High-resolution modelling of a large-scale river plume. <i>Ocean Dynamics</i> , 2013, 63, 1307-1320.	2.2	8
28	Modelling the Gravity Current flowing from the Bosphorus to the Black Sea. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2003, 97, 1-24.	1.2	7
29	Numerical modelling of stratified tidal flow over a fjord sill. <i>Ocean Dynamics</i> , 2007, 57, 325-338.	2.2	7
30	Tidally Induced Overflow of the Faroese Channels Bottom Water Over the Wyville Thomson Ridge. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6753-6765.	2.6	5
31	Insights into the structure of the Wyville Thomson Ridge overflow current from a fine-scale numerical model. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 1192-1205.	1.4	4
32	Numerical investigation of deep water circulation in the Faroese Channels. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 787-799.	1.4	4
33	Modelling tidally induced larval dispersal over Anton Dohrn Seamount. <i>Ocean Dynamics</i> , 2018, 68, 1515-1526.	2.2	4
34	Setting tidal forcing for regional modelling of internal waves. <i>Ocean Modelling</i> , 2021, 160, 101767.	2.4	4
35	Generation of internal waves resulting from the interaction of a barotropic tide with a horizontally inhomogeneous density field and bottom topography. <i>Soviet Journal of Physical Oceanography</i> , 1991, 2, 79-87.	0.1	3
36	Internal Wave Dynamics Over Isolated Seamount and Its Influence on Coral Larvae Dispersion. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3

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37	The study of the instability of currents in the Bosphorus Strait. <i>Physical Oceanography</i> , 1996, 7, 331-338.	0.9	2
38	Investigation of the development of a hydrodynamic instability of currents in the north-western Black Sea. <i>Physical Oceanography</i> , 1995, 6, 411-419.	0.9	1
39	Interaction of internal waves with a horizontally inhomogeneous density field area overlying a ridge. <i>Soviet Journal of Physical Oceanography</i> , 1990, 1, 495-500.	0.1	0
40	On the use of a two-layer fluid stratification model in studies of topographically-generated baroclinic tides. <i>Soviet Journal of Physical Oceanography</i> , 1991, 2, 263-268.	0.1	0