The formation and fate of internal waves in the South C

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Citation Report

#	Article	IF	CITATIONS
1	Direct measurements of W orld O cean tidal currents with surface drifters. Journal of Geophysical Research: Oceans, 2015, 120, 6986-7003.	1.0	25
2	Standing Internal Tides in the Tasman Sea Observed by Gliders. Journal of Physical Oceanography, 2015, 45, 2715-2737.	0.7	38
3	Quantifying tracer dynamics in moving fluids: a combined Eulerian-Lagrangian approach. Frontiers in Environmental Science, 2015, 3, .	1.5	13
4	Simulations of Internal Solitary Wave Interactions with Mesoscale Eddies in the Northeastern South China Sea. Journal of Physical Oceanography, 2015, 45, 2959-2978.	0.7	39
5	Biologically active warm-core anticyclonic eddies in the marginal seas of the western Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 106, 68-84.	0.6	35
9	Effect of the North Equatorial Counter Current on the generation and propagation of internal solitary waves off the Amazon shelf (SAR observations). Ocean Science, 2016, 12, 243-255.	1.3	34
10	Evaluation of an operational ocean model configuration at 1/12° spatial resolution for the Indonesian seas (NEMO2.3/INDO12) – Part 1: Ocean physics. Geoscientific Model Development, 2016, 9, 1037-1064.	1.3	27
11	Transcritical Flow and Generation of Internal Solitary Waves off the Amazon River: Synthetic Aperture Radar Observations and Interpretation. , 2016, 29, 187-195.		8
12	Variability of nonlinear internal waves in the South China Sea affected by the Kuroshio and mesoscale eddies. Journal of Geophysical Research: Oceans, 2016, 121, 2098-2118.	1.0	33
13	Temporal variability of diapycnal mixing in the northern South China Sea. Journal of Geophysical Research: Oceans, 2016, 121, 8840-8848.	1.0	13
14	Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. Scientific Reports, 2016, 6, 24349.	1.6	202
15	Long-range propagation and associated variability of internal tides in the South China Sea. Journal of Geophysical Research: Oceans, 2016, 121, 8268-8286.	1.0	84
16	Generation of internal solitary waves by frontally forced intrusions in geophysical flows. Nature Communications, 2016, 7, 13606.	5.8	29
17	An extreme internal solitary wave event observed in the northern South China Sea. Scientific Reports, 2016, 6, 30041.	1.6	120
18	Footprints of obliquely incident internal solitary waves and internal tides near the shelf break in the northern South China Sea. Journal of Geophysical Research: Oceans, 2016, 121, 8706-8719.	1.0	42
19	On the generation and evolution of internal solitary waves in the southern Red Sea. Journal of Geophysical Research: Oceans, 2016, 121, 8566-8584.	1.0	13
20	Internal wave attractors over random, small-amplitude topography. Journal of Fluid Mechanics, 2016, 787, 148-174.	1.4	14
21	Phytoplankton transport to coral reefs by internal solitons in the northern South China Sea. Coral Reefs, 2016, 35, 1061-1068.	0.9	5

#	Article	IF	CITATIONS
22	SAR Observation of Eddy-Induced Mode-2 Internal Solitary Waves in the South China Sea. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6674-6686.	2.7	35
23	Decoding depositional sequences in carbonate systems: Concepts vs experience. Global and Planetary Change, 2016, 146, 190-225.	1.6	50
24	Seasonal variation of speed and width from kinematic parameters of modeâ€1 nonlinear internal waves in the northeastern East China Sea. Journal of Geophysical Research: Oceans, 2016, 121, 5942-5958.	1.0	11
25	Quantifying the Incoherent M2 Internal Tide in the Philippine Sea. Journal of Physical Oceanography, 2016, 46, 2483-2491.	0.7	23
26	Internal tides recorded at ocean bottom off the coast of Southeast Taiwan. Journal of Geophysical Research: Oceans, 2016, 121, 3381-3394.	1.0	12
27	Rapid variations in deep ocean temperature detected in the Holocene. Geophysical Research Letters, 2016, 43, 12,190.	1.5	1
28	A Coupled-Mode Shallow-Water Model for Tidal Analysis: Internal Tide Reflection and Refraction by the Gulf Stream. Journal of Physical Oceanography, 2016, 46, 3661-3679.	0.7	39
29	Strong turbulent mixing induced by internal bores interacting with internal tideâ€driven vertically sheared flow. Geophysical Research Letters, 2016, 43, 2094-2101.	1.5	23
30	Distortion and broadening of internal solitary wavefront in the northeastern South China Sea deep basin. Geophysical Research Letters, 2016, 43, 7617-7624.	1.5	18
31	SCSPOD14, a South China Sea physical oceanographic dataset derived from in situ measurements during 1919–2014. Scientific Data, 2016, 3, 160029.	2.4	58
32	Investigate the effect of tides on the internal wave mophorlogy and generation sites in the Sulu Sea using satellite images. , 2016, , .		1
33	A third-order KdV solution for internal solitary waves and its application in the numerical wave tank. Journal of Ocean Engineering and Science, 2016, 1, 93-108.	1.7	14
34	Middle Miocene reworked turbidites in the Baiyun Sag of the Pearl River Mouth Basin, northern South China Sea margin: Processes, genesis, and implications. Journal of Asian Earth Sciences, 2016, 128, 116-129.	1.0	33
35	Effects of large-amplitude internal solitary waves on ROV operation—A numerical study. Science China Earth Sciences, 2016, 59, 1074-1080.	2.3	8
36	The Deformation of Shoaling Internal Waves Observed at the Dongsha Atoll in the Northern South China Sea. Coastal Engineering Journal, 2016, 58, 1650001-1-1650001-17.	0.7	7
37	Observation of internal tide-induced nutrient upwelling in Hungtsai Trough, a submarine canyon in the northern South China Sea. Continental Shelf Research, 2016, 120, 59-67.	0.9	4
38	Tidal Mixing in the South China Sea: An Estimate Based on the Internal Tide Energetics. Journal of Physical Oceanography, 2016, 46, 107-124.	0.7	67
39	Impact of Parameterized Internal Wave Drag on the Semidiurnal Energy Balance in a Global Ocean Circulation Model. Journal of Physical Oceanography, 2016, 46, 1399-1419.	0.7	57

	CHATION		
#	Article	IF	CITATIONS
40	Near-Inertial Internal Gravity Waves in the Ocean. Annual Review of Marine Science, 2016, 8, 95-123.	5.1	277
41	Ocean Research Enabled by Underwater Gliders. Annual Review of Marine Science, 2016, 8, 519-541.	5.1	224
42	Frequent sediment density flows during 2006 to 2015, triggered by competing seismic and weather events: Observations from subsea cable breaks off southern Taiwan. Marine Geology, 2017, 384, 147-158.	0.9	56
43	Community production modulates coral reef pH and the sensitivity of ecosystem calcification to ocean acidification. Journal of Geophysical Research: Oceans, 2017, 122, 745-761.	1.0	82
44	Semidiurnal internal tide energy fluxes and their variability in a <scp>G</scp> lobal <scp>O</scp> cean <scp>M</scp> odel and moored observations. Journal of Geophysical Research: Oceans, 2017, 122, 1882-1900.	1.0	29
45	Satellite Altimetry Observations of Large-Scale Internal Solitary Waves. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 534-538.	1.4	15
46	Occurrence of high-diversity metazoan- to microbial-dominated bioconstructions in a shallow Kimmeridgian carbonate ramp (Jabaloyas, Spain). Facies, 2017, 63, 1.	0.7	10
47	Impacts of a Mesoscale Eddy Pair on Internal Solitary Waves in the Northern South China Sea revealed by Mooring Array Observations. Journal of Physical Oceanography, 2017, 47, 1539-1554.	0.7	54
48	Anticyclonic Eddy Sheddings from Kuroshio Loop and the Accompanying Cyclonic Eddy in the Northeastern South China Sea. Journal of Physical Oceanography, 2017, 47, 1243-1259.	0.7	125
49	Strongly nonlinear internal solitons: Models and applications. Journal of Geophysical Research: Oceans, 2017, 122, 3907-3916.	1.0	6
50	The variation of turbulent diapycnal mixing at 18°N in the South China Sea stirred by wind stress. Acta Oceanologica Sinica, 2017, 36, 26-30.	0.4	0
51	Tidal Energy Loss, Internal Tide Radiation, and Local Dissipation for Two-Layer Tidal Flow over a Sill. Journal of Physical Oceanography, 2017, 47, 1521-1538.	0.7	4
52	Spatial patterns of mixing in the S olomon S ea. Journal of Geophysical Research: Oceans, 2017, 122, 4021-4039.	1.0	13
53	Community composition of picoeukaryotes in the South China Sea during winter. Continental Shelf Research, 2017, 143, 91-100.	0.9	2
54	Observations of the turbulent kinetic energy dissipation rate in the upper central South China Sea. Ocean Dynamics, 2017, 67, 597-609.	0.9	15
55	Sediment resuspension and the generation of intermediate nepheloid layers by shoaling internal bores. Journal of Marine Systems, 2017, 170, 31-41.	0.9	32
56	Coherent and incoherent features, seasonal behaviors and spatial variations of internal tides in the northern South China Sea. Journal of Marine Systems, 2017, 172, 75-83.	0.9	36
57	Climate Process Team on Internal Wave–Driven Ocean Mixing. Bulletin of the American Meteorological Society, 2017, 98, 2429-2454.	1.7	235

#	Article	IF	CITATIONS
58	Inherently unstable internal gravity waves due to resonant harmonic generation. Journal of Fluid Mechanics, 2017, 811, 400-420.	1.4	8
59	Three-dimensional numerical simulation of internal tides that radiated from the Luzon Strait into the Western Pacific. Chinese Journal of Oceanology and Limnology, 2017, 35, 1275-1286.	0.7	5
60	Reef building and carbonate production modes in the west-central Tethys during the Cenozoic. Marine and Petroleum Geology, 2017, 83, 261-304.	1.5	126
61	Oscillatory stratified flow over supercritical topography: Wave energetics and turbulence. Computers and Fluids, 2017, 158, 39-48.	1.3	3
62	Impact of Tidal Mixing on Water Mass Transformation and Circulation in the South China Sea. Journal of Physical Oceanography, 2017, 47, 419-432.	0.7	32
63	On the Equilibration of Numerical Simulation of Internal Tide: A Case Study around the Hawaiian Ridge. Journal of Atmospheric and Oceanic Technology, 2017, 34, 1545-1563.	0.5	1
64	Turbulent mixing within the <scp>K</scp> uroshio in the <scp>T</scp> okara <scp>S</scp> trait. Journal of Geophysical Research: Oceans, 2017, 122, 7082-7094.	1.0	39
65	Nonlinear processes generated by supercritical tidal flow in shallow straits. Physics of Fluids, 2017, 29, 066603.	1.6	4
66	Transformation of mode-2 internal solitary wave over a pseudo slope-shelf. AIP Advances, 2017, 7, .	0.6	8
67	Internal Solitary Wave Reflection Near Dongsha Atoll, the South China Sea. Journal of Geophysical Research: Oceans, 2017, 122, 7978-7991.	1.0	40
68	Seismic estimates of turbulent diffusivity and evidence of nonlinear internal wave forcing by geometric resonance in the S outh C hina S ea. Journal of Geophysical Research: Oceans, 2017, 122, 8063-8078.	1.0	12
69	Large Eddy Simulation of Flow and Turbulence at the Steep Topography of Luzon Strait. Geophysical Research Letters, 2017, 44, 9440-9448.	1.5	8
70	Nonlinear internal wave at the interface of two-layer liquid due to a moving hydrofoil. Physics of Fluids, 2017, 29, 072107.	1.6	8
71	Using major nutrient concentrations to derive vertical movement of water masses in the coastal region of eastern Taiwan. Journal of Oceanography, 2017, 73, 711-723.	0.7	1
72	Internal wave generation by tidal flow over periodically and randomly distributed seamounts. Journal of Geophysical Research: Oceans, 2017, 122, 5063-5074.	1.0	13
73	Breaking of internal solitary waves generated by an estuarine gravity current. Geophysical Research Letters, 2017, 44, 7366-7373.	1.5	11
74	Experimental investigation of internal solitary wave forces on a semi-submersible. Ocean Engineering, 2017, 141, 205-214.	1.9	47
75	The Influence of Subinertial Internal Tides on Near-Topographic Turbulence at the Mendocino Ridge: Observations and Modeling. Journal of Physical Oceanography, 2017, 47, 2139-2154.	0.7	25

#	Article	IF	CITATIONS
76	From Topographic Internal Gravity Waves to Turbulence. Annual Review of Fluid Mechanics, 2017, 49, 195-220.	10.8	66
77	Impact of remotely generated eddies on plume dispersion at abyssal mining sites in the Pacific. Scientific Reports, 2017, 7, 16959.	1.6	84
78	Complex Wave Motions and Thermal Structure of the Oceans. , 2017, , 139-208.		2
79	Hydrological and Biogeochemical Controls on Absorption and Fluorescence of Dissolved Organic Matter in the Northern South China Sea. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3405-3418.	1.3	31
80	Solitary wave solution of flat surface internal geophysical waves with vorticity. AIP Conference Proceedings, 2017, , .	0.3	0
81	The impact of seasonal changes in stratification on the dynamics of internal waves in the Sea of Okhotsk. Estonian Journal of Earth Sciences, 2017, 66, 238.	0.4	8
82	A brief review of vertical mixing observations at mixing hotspots in the North Pacific. Oceanography in Japan, 2017, 26, 151-174.	0.5	0
83	Tidal Prediction. Journal of Marine Research, 2017, 75, 189-237.	0.3	34
84	Spatial distribution of turbulent mixing in the upper ocean of the South China Sea. Ocean Science, 2017, 13, 503-519.	1.3	27
85	Tracking oceanic nonlinear internal waves in the Indonesian seas from geostationary orbit. Remote Sensing of Environment, 2018, 208, 202-209.	4.6	21
86	Nonlinear internal wave spirals in the northern East China Sea. Scientific Reports, 2018, 8, 3473.	1.6	16
87	Oceanic Internal Tides: Observations, Analysis and Modeling. , 2018, , .		91
88	Polarity Variations of Internal Solitary Waves over the Continental Shelf of the Northern South China Sea: Impacts of Seasonal Stratification, Mesoscale Eddies, and Internal Tides. Journal of Physical Oceanography, 2018, 48, 1349-1365.	0.7	21
89	Mode 2 Internal Waves in the Ocean: Evidences from Observations. Springer Oceanography, 2018, , 211-219.	0.2	0
92	Observations of the Tasman Sea Internal Tide Beam. Journal of Physical Oceanography, 2018, 48, 1283-1297.	0.7	15
93	Effects of initial amplitude and pycnocline thickness on the evolution of mode-2 internal solitary waves. Physics of Fluids, 2018, 30, .	1.6	13
94	Elevated particulate organic carbon export flux induced by internal waves in the oligotrophic northern South China Sea. Scientific Reports, 2018, 8, 2042.	1.6	28
95	Optimal transient growth in thin-interface internal solitary waves. Journal of Fluid Mechanics, 2018, 840, 342-378.	1.4	6

#	Article	IF	CITATIONS
96	A Locally Generated Highâ€Mode Nonlinear Internal Wave Detected on the Shelf of the Northern South China Sea From Marine Seismic Observations. Journal of Geophysical Research: Oceans, 2018, 123, 1142-1155.	1.0	13
97	Observations of Internal Tides in the Pacific Ocean. , 2018, , 105-152.		0
98	SAR Observation and Numerical Simulation of Internal Solitary Wave Refraction and Reconnection Behind the Dongsha Atoll. Journal of Geophysical Research: Oceans, 2018, 123, 74-89.	1.0	14
99	Generation and Propagation of Nonlinear Internal Waves in Sheared Currents Over the Washington Continental Shelf. Journal of Geophysical Research: Oceans, 2018, 123, 2381-2400.	1.0	7
100	The Characteristics of Microseisms in South China Sea: Results From a Combined Data Set of OBSs, Broadband Land Seismic Stations, and a Global Wave Height Model. Journal of Geophysical Research: Solid Earth, 2018, 123, 3923-3942.	1.4	24
101	Existence and qualitative theory for stratified solitary water waves. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2018, 35, 517-576.	0.7	20
102	Instabilities of Internal Gravity Wave Beams. Annual Review of Fluid Mechanics, 2018, 50, 131-156.	10.8	86
103	Seasonal variation and modal content of internal tides in the northern South China Sea. Journal of Oceanology and Limnology, 2018, 36, 651-662.	0.6	8
104	Longâ€Range Radiation and Interference Pattern of Multisource M ₂ Internal Tides in the Philippine Sea. Journal of Geophysical Research: Oceans, 2018, 123, 5091-5112.	1.0	42
105	Exceedance frequency of appearance of the extreme internal waves in the World Ocean. Nonlinear Processes in Geophysics, 2018, 25, 511-519.	0.6	3
106	The spatiotemporal features of submesoscale processes in the northeastern South China Sea. Acta Oceanologica Sinica, 2018, 37, 8-18.	0.4	22
107	Simulation of internal solitary waves with negative polarity in slowly varying medium. AIP Conference Proceedings, 2018, , .	0.3	0
108	Internal tides in the northwestern South China Sea observed by pressure-recording inverted echo sounders. Progress in Oceanography, 2018, 168, 112-122.	1.5	8
109	Experimental investigation of nonlinear internal waves in deep water with miscible fluids. Journal of Ocean Engineering and Marine Energy, 2018, 4, 243-257.	0.9	7
110	Monthly variation on the propagation and evolution of internal solitary waves in the northern South China Sea. Continental Shelf Research, 2018, 171, 21-29.	0.9	5
111	Vortex Structures in the Wake of an Idealized Seamount in Rotating, Stratified Flow. Geophysical Research Letters, 2018, 45, 9098-9105.	1.5	31
112	Role of Mesoscale Eddies in Modulating the Semidiurnal Internal Tide: Observation Results in the Northern South China Sea. Journal of Physical Oceanography, 2018, 48, 1749-1770.	0.7	40
113	Estimating Smoothly Varying Open Boundary Conditions for a 3D Internal Tidal Model with an Improved Independent Point Scheme. Journal of Atmospheric and Oceanic Technology, 2018, 35, 1299-1311.	0.5	9

#	Article	IF	CITATIONS
114	Experimental study of forces on a multi-column floating platform in internal solitary waves. Applied Ocean Research, 2018, 78, 192-200.	1.8	30
115	Internal Solitary Waves in the Andaman Sea: New Insights from SAR Imagery. Remote Sensing, 2018, 10, 861.	1.8	47
116	Enhanced mixing by patchy turbulence in the northern South China Sea. Continental Shelf Research, 2018, 166, 34-43.	0.9	2
117	Internal Tide Generation at the Vitóriaâ€Trindade Ridge, South Atlantic Ocean. Journal of Geophysical Research: Oceans, 2018, 123, 5150-5159.	1.0	4
118	Observations of internal waves with high sampling data of radar altimetry and MODIS images. International Journal of Remote Sensing, 2018, 39, 7405-7416.	1.3	8
119	Observation of Internal Solitary Waves Using an Underwater Glider in the Northern South China Sea. Journal of Coastal Research, 2018, 345, 1188-1195.	0.1	16
120	Determination of Harmonic Parameters with Temporal Variations: An Enhanced Harmonic Analysis Algorithm and Application to Internal Tidal Currents in the South China Sea. Journal of Atmospheric and Oceanic Technology, 2018, 35, 1375-1398.	0.5	31
121	Surface Kinetic Energy Distributions in the Global Oceans From a Highâ€Resolution Numerical Model and Surface Drifter Observations. Geophysical Research Letters, 2019, 46, 9757-9766.	1.5	34
122	Energy Flux Observations in an Internal Tide Beam in the Eastern North Atlantic. Journal of Geophysical Research: Oceans, 2019, 124, 5747-5764.	1.0	7
123	The energetics of internal tides at the Luzon Ridge. Ocean Dynamics, 2019, 69, 1009-1022.	0.9	4
124	Broadband acoustic signal variability induced by internal solitary waves and semidiurnal internal tides in the northeastern East China Sea. Journal of the Acoustical Society of America, 2019, 146, 1110-1123.	0.5	8
125	Deep-sea Sediment Resuspension by Internal Solitary Waves in the Northern South China Sea. Scientific Reports, 2019, 9, 12137.	1.6	38
126	Bright and dark rogue internal waves: The Gardner equation approach. Physical Review E, 2019, 99, 062224.	0.8	15
127	Latitudinal Structure of Solitons in the South China Sea. Journal of Physical Oceanography, 2019, 49, 1747-1767.	0.7	21
128	Upper ocean shear in the northern South China Sea. Journal of Oceanography, 2019, 75, 525-539.	0.7	13
129	Internal tsunami waves transport sediment released by underwater landslides. Scientific Reports, 2019, 9, 10775.	1.6	8
130	Modulation-resonance mechanism for surface waves in a two-layer fluid system. Journal of Fluid Mechanics, 2019, 875, 807-841.	1.4	9
131	Continental slope-confined canyons in the Pearl River Mouth Basin in the South China Sea dominated by erosion, 2004–2018. Geomorphology, 2019, 344, 60-74.	1.1	16

#	Article	IF	CITATIONS
132	A framework for seamless one-way nesting of internal wave-resolving ocean models. Ocean Modelling, 2019, 143, 101462.	1.0	6
133	Tidal Mixing Signatures in the Hong Kong Coastal Waters from Satellite-Derived Sea Surface Temperature. Remote Sensing, 2019, 11, 5.	1.8	7
134	Heterotrophy of Oceanic Particulate Organic Matter Elevates Net Ecosystem Calcification. Geophysical Research Letters, 2019, 46, 9851-9860.	1.5	8
135	The Lifecycle of Nonlinear Internal Waves in the Northwestern South China Sea. Journal of Physical Oceanography, 2019, 49, 2133-2145.	0.7	10
136	Laboratory Experiments on an Internal Solitary Wave over a Triangular Barrier. Journal of Ocean University of China, 2019, 18, 1061-1069.	0.6	6
137	Strong Internal Waves Generated by the Interaction of the Kuroshio and Tides over a Shallow Ridge. Journal of Physical Oceanography, 2019, 49, 2917-2934.	0.7	13
138	Influence of Abyssal Mixing on the Multilayer Circulation in the South China Sea. Journal of Physical Oceanography, 2019, 49, 3045-3060.	0.7	12
139	Experimental study on flow field induced by internal solitary wave and load characteristics on pile sections at different depth. Ocean Engineering, 2019, 188, 106292.	1.9	30
140	Distribution of dissolved iron in the Pearl River (Zhujiang) Estuary and the northern continental slope of the South China Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 167, 14-24.	0.6	23
141	Dissipation of mesoscale eddies and its contribution to mixing in the northern South China Sea. Scientific Reports, 2019, 9, 556.	1.6	32
142	Submarine Landslides Induce Massive Waves in Subsea Brine Pools. Scientific Reports, 2019, 9, 128.	1.6	19
143	Observations and Models of Low-Mode Internal Waves in the Ocean. Mathematics of Planet Earth, 2019, , 127-143.	0.1	Ο
144	Features of internal tides observed near the shelf break in the northern South China Sea. Ocean Dynamics, 2019, 69, 353-365.	0.9	2
145	Generation of second-mode internal solitary waves during winter in the northern South China Sea. Ocean Dynamics, 2019, 69, 313-321.	0.9	5
146	Seasonal and Spatial Variations of the M ₂ Internal Tide in the Yellow Sea. Journal of Geophysical Research: Oceans, 2019, 124, 1115-1138.	1.0	27
147	Analysis of the relation between ocean internal wave parameters and ocean surface fluctuation. Frontiers of Earth Science, 2019, 13, 336-350.	0.9	3
148	The influence of oceanographic processes on contourite features: A multidisciplinary study of the northern South China Sea. Marine Geology, 2019, 415, 105967.	0.9	35
149	Bumpy Topographic Effects on the Transbasin Evolution of Largeâ€Amplitude Internal Solitary Wave in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 4677-4695.	1.0	17

#	ARTICLE	IF	CITATIONS
150	Evolution of obliquely incident waves on the slope of the northern South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 150, 103064.	0.6	0
151	Can diatom girdle band pores act as a hydrodynamic viral defense mechanism?. Journal of Biological Physics, 2019, 45, 213-234.	0.7	7
152	Experimental investigation on the optical remote sensing images of internal solitary waves with a smooth surface. Acta Oceanologica Sinica, 2019, 38, 124-131.	0.4	7
153	Seasonal variability of the wind-generated near-inertial energy flux in the South China Sea. Acta Oceanologica Sinica, 2019, 38, 136-145.	0.4	1
154	Characteristics and temporal variations of near-bottom currents near the Dongsha Island in the northern South China Sea. Acta Oceanologica Sinica, 2019, 38, 80-89.	0.4	2
155	Generation of Internal Lee Waves by Lateral Circulation in a Coastal Plain Estuary. Journal of Physical Oceanography, 2019, 49, 1687-1697.	0.7	6
156	Energetics and mixing in buoyancy-driven near-bottom stratified flow. Journal of Fluid Mechanics, 2019, 869, 214-237.	1.4	4
157	Different origins of seafloor undulations in a submarine canyon system, northern South China Sea, based on their seismic character and relative location. Marine Geology, 2019, 413, 99-111.	0.9	11
158	Internal waves influence the thermal and nutrient environment on a shallow coral reef. Limnology and Oceanography, 2019, 64, 1949-1965.	1.6	66
159	Generation and Propagation of M ₂ Internal Tides Modulated by the Kuroshio Northeast of Taiwan. Journal of Geophysical Research: Oceans, 2019, 124, 2728-2749.	1.0	23
160	Computational analyses of fully nonlinear interaction of an internal solitary wave and a free surface wave. AIP Advances, 2019, 9, 035234.	0.6	6
161	The role of enhanced velocity shears in rapid ocean cooling during Super Typhoon Nepartak 2016. Nature Communications, 2019, 10, 1627.	5.8	13
162	Seasonal variability of tides in the deep northern South China Sea. Science China Earth Sciences, 2019, 62, 671-683.	2.3	5
163	Analyzing amplitudes of internal solitary waves in the northern South China Sea by use of seismic oceanography data. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 146, 1-10.	0.6	13
164	Physical and chemical characterization of dissolved arsenic in the South China Sea. Marine Chemistry, 2019, 209, 128-138.	0.9	4
165	Formation of Square-Shaped Waves in the Biscay Bay. Chinese Physics Letters, 2019, 36, 090501.	1.3	0
166	How to Fly an Autonomous Underwater Glider to Measure an Internal Wave. , 2019, , .		2
167	Illuminating seafloor faults and ocean dynamics with dark fiber distributed acoustic sensing. Science, 2019, 366, 1103-1107.	6.0	324

#	Article	IF	CITATIONS
168	A numerical study of generation and propagation of type-a and type-b internal solitary waves in the northern South China Sea. Acta Oceanologica Sinica, 2019, 38, 20-30.	0.4	11
169	Advances in research of the mid-deep South China Sea circulation. Science China Earth Sciences, 2019, 62, 1992-2004.	2.3	34
170	The Generation of Nonlinear Internal Waves in the South China Sea: A Threeâ€Dimensional, Nonhydrostatic Numerical Study. Journal of Geophysical Research: Oceans, 2019, 124, 8949-8968.	1.0	13
171	Scale Transition From Geostrophic Motions to Internal Waves in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 9364-9383.	1.0	25
172	Combined effects of topography and bottom friction on shoaling internal solitary waves in the South China Sea. Applied Mathematics and Mechanics (English Edition), 2019, 40, 421-434.	1.9	3
173	Sediment dynamics driven by contour currents and mesoscale eddies along continental slope: A case study of the northern South China Sea. Marine Geology, 2019, 409, 48-66.	0.9	34
174	Alongâ€strike variability in shelfâ€margin morphology and accretion pattern: An example from the northern margin of the South China Sea. Basin Research, 2019, 31, 431-460.	1.3	17
175	Internal Tidal Mixing. , 2019, , 542-547.		0
176	Scaleâ€dependent spatial patterns in benthic communities around a tropical island seascape. Ecography, 2019, 42, 578-590.	2.1	22
177	Internal Wave Breathers in the Slightly Stratified Fluid. Microgravity Science and Technology, 2020, 32, 69-77.	0.7	10
178	Impacts of subtidal motions and the earth rotation on modal characteristics of the semidiurnal internal tide. Journal of Oceanography, 2020, 76, 15-27.	0.7	1
179	Heat accumulation on coral reefs mitigated by internal waves. Nature Geoscience, 2020, 13, 28-34.	5.4	97
180	Internal wave boluses as coherent structures in a continuously stratified fluid. Journal of Fluid Mechanics, 2020, 885, .	1.4	9
181	Numerical study on the transformation of an internal solitary wave propagating across a vertical cylinder. Applied Ocean Research, 2020, 95, 102016.	1.8	13
182	Progress on the formation dynamics of the layered circulation in the South China Sea. Progress in Oceanography, 2020, 181, 102246.	1.5	28
183	Impact of multiple tidal forcing on the simulation of the M2 internal tides in the northern South China Sea. Ocean Dynamics, 2020, 70, 187-198.	0.9	11
184	Forces on a semi-submersible in internal solitary waves with different propagation directions. Ocean Engineering, 2020, 217, 107864.	1.9	8
185	Vertical fluxes of nutrients enhanced by strong turbulence and phytoplankton bloom around the ocean ridge in the Luzon Strait. Scientific Reports, 2020, 10, 17879.	1.6	10

#	ARTICLE	IF	Citations
т 186	On the interplay between horizontal resolution and wave drag and their effect on tidal baroclinic	1.0	32
100	mode waves in realistic global ocean simulations. Ocean Modelling, 2020, 152, 101656.	1.0	02
187	Impacts of Stratification Variation on the M ₂ Internal Tide Generation in Luzon Strait. Atmosphere - Ocean, 2020, 58, 206-218.	0.6	8
188	Physical Processes Determine Spatial Structure in Water Temperature and Residence Time on a Wide Reef Flat. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016543.	1.0	11
189	Tidally Forced Lee Waves Drive Turbulent Mixing Along the Arctic Ocean Margins. Geophysical Research Letters, 2020, 47, e2020GL088083.	1.5	32
190	Species and Functional Diversity of Deep-Sea Nematodes in a High Energy Submarine Canyon. Frontiers in Marine Science, 2020, 7, .	1.2	7
191	Short-Term Variability of Biological Production and CO2 System Around Dongsha Atoll of the Northern South China Sea: Impact of Topography-Flow Interaction. Frontiers in Marine Science, 2020, 7, .	1.2	4
192	Spontaneous superharmonic internal wave excitation by modal interactions in uniform and nonuniform stratifications. Dynamics of Atmospheres and Oceans, 2020, 91, 101159.	0.7	10
193	<i>In-Situ</i> Detection for Ocean Internal Solitary Waves Based on a Miniaturized Microfiber-Optic Salinity Sensor. IEEE Sensors Journal, 2020, 20, 14836-14842.	2.4	4
194	Variability of coherent and incoherent features of internal tides in the north South China Sea. Scientific Reports, 2020, 10, 12904.	1.6	9
195	Fission law of solitary waves propagating over sharply variable topography. Journal of Hydrodynamics, 2020, 32, 727-734.	1.3	1
196	Dependence of Internal Wave Bolus Transport onÂPycnocline Thickness. Geophysical Research Letters, 2020, 47, e2020GL086952.	1.5	5
197	Application of Three-Dimensional Interpolation in Estimating Diapycnal Diffusivity in the South China Sea. Journal of Marine Science and Engineering, 2020, 8, 832.	1.2	5
198	Characterizing meso- to submesoscale features in the South China Sea. Progress in Oceanography, 2020, 188, 102420.	1.5	31
199	Observations of different effects of an anti-cyclonic eddy on internal solitary waves in the South China Sea. Progress in Oceanography, 2020, 188, 102422.	1.5	14
200	Microstructure and Mooring Observations of Enhanced Mixing in the Kerama Gap. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015553.	1.0	4
201	Along-strike Quaternary morphological variation of the Baiyun Sag, South China Sea: The interplay between deltas, pre-existing morphology, and oceanographic processes. Marine and Petroleum Geology, 2020, 122, 104640.	1.5	8
202	Daily to weekly impacts of mixing and biological activity on carbonate dynamics in a large river-dominated shelf. Estuarine, Coastal and Shelf Science, 2020, 245, 106914.	0.9	3
203	Fate of Internal Waves on a Shallow Shelf. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015377.	1.0	35

#	Article	IF	CITATIONS
204	Temporal variation in daily temperature minima in coral reefs of Nanwan Bay, Southern Taiwan. Scientific Reports, 2020, 10, 8656.	1.6	7
205	Frequency Shift of Near-Inertial Waves in the South China Sea. Journal of Physical Oceanography, 2020, 50, 1121-1135.	0.7	20
206	Internal solitary waves from L-band SAR over the Argentine inner Patagonian shelf. Remote Sensing Letters, 2020, 11, 525-534.	0.6	5
207	Evolution of internal solitary waves on the slope-shelf topography in the northern South China Sea. Ocean Dynamics, 2020, 70, 729-743.	0.9	6
208	Baroclinic Residual Circulation and Mass Transport Due to Internal Tides. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015316.	1.0	7
209	Estimation of ocean thermal energy potential in the Aguni Basin. Applied Ocean Research, 2020, 101, 102185.	1.8	5
210	Long lived second mode internal solitary waves in the Andaman Sea. Scientific Reports, 2020, 10, 10234.	1.6	22
211	Seasonal and Spatial Features of Barotropic and Baroclinic Tides in the Northwestern South China Sea. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014860.	1.0	10
212	Spatiotemporal Characteristics and Generation Mechanisms of Submesoscale Currents in the Northeastern South China Sea Revealed by Numerical Simulations. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015404.	1.0	39
213	Observation of internal waves with OLCI and SRAL on board Sentinel-3. Acta Oceanologica Sinica, 2020, 39, 56-62.	0.4	9
214	Modal decomposition of polychromatic internal wave fields in arbitrary stratifications. Wave Motion, 2020, 95, 102549.	1.0	4
215	Intensification of tidally generated internal waves in the north-central Bay of Bengal. Scientific Reports, 2020, 10, 6059.	1.6	13
216	Estimation of internal solitary wave propagation speed in the Andaman Sea using multi–satellite images. Remote Sensing of Environment, 2021, 252, 112123.	4.6	25
217	Detection of internal waves in the Persian Gulf. Remote Sensing Letters, 2021, 12, 190-198.	0.6	5
218	Responses of phytoplankton communities to the effect of internal waveâ€powered upwelling. Limnology and Oceanography, 2021, 66, 1083-1098.	1.6	6
219	Mixing by Oceanic Lee Waves. Annual Review of Fluid Mechanics, 2021, 53, 173-201.	10.8	30
220	Transport and accumulation of plastic litter in submarine canyons—The role of gravity flows. Geology, 2021, 49, 581-586.	2.0	50
221	Direct measurements reveal instabilities and turbulence within large amplitude internal solitary waves beneath the ocean. Communications Earth & Environment, 2021, 2, .	2.6	16

		CITATION REPORT		
#	Article		IF	CITATIONS
222	Internal hydraulic jump in the Tsugaru Strait. Journal of Oceanography, 2021, 77, 215-2	.28.	0.7	10
223	Tidal Synchronization of Lee Vortices in Geophysical Wakes. Geophysical Research Lette e2020GL090905.	ers, 2021, 48,	1.5	3
224	Variance of Bottom Water Temperature at the Continental Margin of the Northern Sou Journal of Geophysical Research: Oceans, 2021, 126, e2020JC015843.	th China Sea.	1.0	2
225	Threeâ€Dimensional Numerical Simulations of Internal Tides in the Angolan Upwelling F of Geophysical Research: Oceans, 2021, 126, e2020JC016460.	Region. Journal	1.0	14
226	Populations of a widespread hexacoral have trophic plasticity and flexible syntrophic int across the Indo-Pacific Ocean. Coral Reefs, 2021, 40, 543-558.	eractions	0.9	8
227	Observation of internal tides, nonlinear internal waves and mixing in the Lombok Strait, Continental Shelf Research, 2021, 216, 104358.	Indonesia.	0.9	16
228	Longâ€ŧerm Observations Reveal Environmental Conditions and Food Supply Mechanis Deep‣ea Sponge Ground. Journal of Geophysical Research: Oceans, 2021, 126, e202		1.0	10
229	Near-Surface Reflection and Nonlinear Effects of Low-Mode Internal Tides on a Contine Journal of Physical Oceanography, 2021, 51, 1037-1051.	ntal Slope.	0.7	2
230	Linear superposition of Wronskian rational solutions to the KdV equation. Communicat Theoretical Physics, 2021, 73, 065001.	ions in	1.1	19
231	Threeâ€Dimensional Simulation of Shoaling Internal Solitary Waves and Their Influence Transport in the Southern Red Sea. Journal of Geophysical Research: Oceans, 2021, 12€		1.0	6
232	Marginal Instability Within Internal Solitary Waves. Geophysical Research Letters, 2021 e2021GL092616.	, 48,	1.5	7
233	Metocean Criteria for Internal Solitary Waves Obtained from Numerical Models. Water 2021, 13, 1554.	(Switzerland),	1.2	2
236	Dynamic Characteristics of a Submesoscale Front and Associated Heat Fluxes Over the South China Sea Shelf. Atmosphere - Ocean, 2021, 59, 190-200.	Northeastern	0.6	1
237	On using the finescale parameterization and Thorpe scales to estimate turbulence from Journal of Atmospheric and Oceanic Technology, 2021, , .	glider data.	0.5	2
238	Response of large benthic foraminifera to climate and local changes: Implications for fu carbonate production. Sedimentology, 2022, 69, 121-161.	ture	1.6	34
241	Internal solitary waves induced deep-water nepheloid layers and seafloor geomorphic cl continental slope of the northern South China Sea. Physics of Fluids, 2021, 33, .	nanges on the	1.6	32
242	Dynamics of the Layered Circulation Inferred from Kinetic Energy Pathway in the South Journal of Physical Oceanography, 2021, 51, 1671-1685.	China Sea.	0.7	10
243	Deep-sea submarine erosion by the Kuroshio Current in the Manila accretionary prism, o Southern Taiwan. Tectonophysics, 2021, 807, 228813.	offshore	0.9	10

#	Article	IF	CITATIONS
244	On Tidal Modulation of the Evolution of Internal Solitary-Like Waves Passing Through a Critical Point. Journal of Physical Oceanography, 2021, , .	0.7	2
245	Insight Into the Dynamics of the Radiating Internal Tide Associated With the Kuroshio Current. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017018.	1.0	39
246	Study on applicability of internal solitary wave theories by theoretical and numerical method. Applied Ocean Research, 2021, 111, 102629.	1.8	18
247	Directional decomposition of internal tides propagating from multiple generation sites. Ocean Modelling, 2021, 162, 101801.	1.0	10
248	The Impact of Fortnightly Stratification Variability on the Generation of Baroclinic Tides in the Luzon Strait. Journal of Marine Science and Engineering, 2021, 9, 703.	1.2	1
249	The influence of turbulent mixing on the subsurface chlorophyll maximum layer in the northern South China Sea. Journal of Oceanology and Limnology, 2021, 39, 2167-2180.	0.6	5
250	Reflection of K ₁ Internal Tides at the Continental Slope in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017260.	1.0	11
251	A polynomial conjecture connected with rogue waves in the KdV equation. Partial Differential Equations in Applied Mathematics, 2021, 3, 100023.	1.3	11
252	Variation of Internal Solitary Wave Propagation Induced by the Typical Oceanic Circulation Patterns in the Northern South China Sea Deep Basin. Geophysical Research Letters, 2021, 48, e2021GL093969.	1.5	13
253	High-Frequency Motions in the Southeastern South China Sea During Winter–Spring 2018/2019. Frontiers in Marine Science, 2021, 8, .	1.2	2
254	Observed three dimensional distributions of enhanced turbulence near the Luzon Strait. Scientific Reports, 2021, 11, 14835.	1.6	4
255	On the vertical structure of internal solitary waves in the northeastern South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 173, 103550.	0.6	12
256	The Impact of the Mesoscale Ocean Variability on the Estimation of Tidal Harmonic Constants Based on Satellite Altimeter Data in the South China Sea. Remote Sensing, 2021, 13, 2736.	1.8	8
257	Advanced Remote Data Acquisition Using a Pop-Up Data Shuttle (PDS) to Report Data From Current- and Pressure-Recording Inverted Echo Sounders (CPIES). Frontiers in Marine Science, 2021, 8, .	1.2	1
258	Temporal Variability in Bottom Water Structures of the Continental Slope in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017177.	1.0	1
259	Internal waves with high vertical wavenumber structure generated by diurnal tidal flow over the eastern ridge of Luzon Strait. Journal of Oceanography, 2021, 77, 703-718.	0.7	1
261	Quantifying upwelling in tropical shallow waters: A novel method using a temperature stratification index. Limnology and Oceanography: Methods, 2021, 19, 566-577.	1.0	5
263	Internal solitary waves on the NW African shelf: A heuristic approach to localize diapycnal mixing hotspots. Continental Shelf Research, 2021, 226, 104492.	0.9	1

#	Article	IF	CITATIONS
264	Spatial variability of diapycnal mixing in the South China Sea inferred from density overturn analysis. Journal of Physical Oceanography, 2021, , .	0.7	2
265	Seismic Detection of Oceanic Internal Gravity Waves From Subaerial Seismometers. AGU Advances, 2021, 2, e2021AV000475.	2.3	1
266	Longâ€Term Observations of Shoaling Internal Solitary Waves in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017129.	1.0	13
267	Three-dimensional dynamic analysis of deep-water steel steep wave riser considering internal solitary wave. Journal of Marine Science and Technology, 2022, 27, 452-466.	1.3	8
268	Enhanced diapycnal mixing with polarity-reversing internal solitary waves revealed by seismic reflection data. Nonlinear Processes in Geophysics, 2021, 28, 445-465.	0.6	6
269	Numerical study on the spatial and temporal characteristics of nonlinear internal wave energy in the Northern South China sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 178, 103640.	0.6	4
270	Active and passive fluxes of carbon, nitrogen, and phosphorus in the northern South China Sea. Biogeosciences, 2021, 18, 5141-5162.	1.3	2
271	Sedimentary processes of shallow-marine turbidite fans: An example from the Huangliu Formation in the Yinggehai Basin, South China Sea. Marine and Petroleum Geology, 2021, 132, 105191.	1.5	5
272	The lifecycle of topographically-generated internal waves. , 2022, , 117-144.		3
273	A Machine-Learning Model for Forecasting Internal Wave Propagation in the Andaman Sea. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3095-3106.	2.3	22
274	Encountering shoaling internal waves on the dispersal pathway of the pearl river plume in summer. Scientific Reports, 2021, 11, 999.	1.6	7
275	MULTIPARAMETRIC SOLUTIONS TO THE GARDNER EQUATION AND THE DEGENERATE RATIONAL CASE. Journal of Applied Analysis and Computation, 2021, 11, 2102-2113.	0.2	0
276	Internal Waves in the Andaman Sea. , 2019, , 395-410.		7
277	Potential generation sites of internal solitary waves and their propagation characteristics in the Andaman Sea—a study based on MODIS true-colour and SAR observations. Environmental Monitoring and Assessment, 2019, 191, 809.	1.3	16
278	Deep-water deposition in response to sea-level fluctuations in the past 30 kyr on the northern margin of the South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 163, 103317.	0.6	9
279	Southward Internal Tides in the Northeastern South China Sea. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016554.	1.0	23
280	Internal wave pressure, velocity, and energy flux from density perturbations. Physical Review Fluids, 2016, 1, .	1.0	9
281	Modeling internal rogue waves in a long wave-short wave resonance framework. Physical Review Fluids, 2018, 3, .	1.0	10

#	Article	IF	CITATIONS
282	Wave generation through the interaction of a mode-2 internal solitary wave and a broad, isolated ridge. Physical Review Fluids, 2019, 4, .	1.0	12
283	Particle transport and resuspension by shoaling internal solitary waves. Physical Review Fluids, 2020, 5, .	1.0	9
284	Succession of Resonances to Achieve Internal Wave Turbulence. Physical Review Letters, 2020, 124, 204502.	2.9	26
285	Investigation of the Internal Tides in the Northwest Pacific Ocean Considering the Background Circulation and Stratification. Journal of Physical Oceanography, 2020, 50, 3165-3188.	0.7	23
286	Three-Dimensional Structure and Interannual Variability of the Kuroshio Loop Current in the Northeastern South China Sea. Journal of Physical Oceanography, 2020, 50, 2437-2455.	0.7	20
287	Tides and Satellite Altimetry. , 2017, , 427-458.		12
289	Seasonal Modulation of Submesoscale Kinetic Energy in the Upper Ocean of the Northeastern South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, .	1.0	17
290	Internal Solitary Waves in the Andaman Sea Revealed by Long-Term Mooring Observations. Journal of Physical Oceanography, 2021, 51, 3609-3627.	0.7	10
291	Suppressed Thermocline Mixing in the Center of Anticyclonic Eddy in the North South China Sea. Journal of Marine Science and Engineering, 2021, 9, 1149.	1.2	4
292	Biogeochemical responses to internal-wave impacts in the continental margin off Dongsha Atoll in the Northern South China Sea. Progress in Oceanography, 2021, 199, 102689.	1.5	7
293	Genesis and evolution of large-scale sediment waves in submarine canyons since the Penultimate Glacial Maximum (ca. 140 ka), northern South China Sea margin. Marine and Petroleum Geology, 2021, 134, 105381.	1.5	4
295	A STUDY OF FLOW FIELD INFLUENCED BY INTERNAL TIDES AND THE KUROSHIO AROUND THE IZU-CHAIN ISLANDS. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_451-I_456.	0.0	0
296	Semidiurnal Internal Wave Global Field; Global Estimates of Internal Tide Energy. , 2018, , 263-291.		0
297	Radiation Path of Diurnal Internal Tides in the Northwestern Pacific Controlled by Refraction and Interference. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016972.	1.0	14
299	Spatial structure of turbulent mixing of an anticyclonic mesoscale eddy in the northern South China Sea. Acta Oceanologica Sinica, 2020, 39, 69-81.	0.4	10
300	Observations of Internal Structure Changes in Shoaling Internal Solitary Waves Based on Seismic Oceanography Method. Frontiers in Marine Science, 2021, 8, .	1.2	4
301	Internal Solitary Waves Observed on the Continental Shelf in the Northern South China Sea From Acoustic Backscatter Data. Frontiers in Marine Science, 2021, 8, .	1.2	5
302	Linking oceanographic processes to contourite features: Numerical modelling of currents influencing a contourite depositional system on the northern South China Sea margin. Marine Geology, 2022, 444, 106714.	0.9	6

ARTICLE IF CITATIONS Temporal variability of internal solitary waves in the northern South China Sea revealed by long-term 303 1.5 16 mooring observations. Progress in Oceanography, 2022, 201, 102716. ISWFoam: a numerical model for internal solitary wave simulation in continuously stratified fluids. 304 1.3 Geoscientific Model Development, 2022, 15, 105-127. Remote Sensing Systems for Ocean: A Review (Part 2: Active Systems). IEEE Journal of Selected Topics in 305 2.36 Applied Earth Observations and Remote Sensing, 2022, 15, 1421-1453. Nonâ€Local Energy Dissipation of Lee Waves and Turbulence in the South China Sea. Journal of 306 Geophysical Research: Oceans, 2022, 127, . Subsurface Mesoscale Eddies Observed in the Northeastern South China Sea: Dynamic Features and 307 0.7 9 Water Mass Transport. Journal of Physical Oceanography, 2022, 52, 841-855. Sediment Resuspension as a Major Contributor to Sinking Particles in the Northwestern South China 308 1.2 Sea: Evidence From Observations and Modeling. Frontiers in Marine Science, 2022, 9, . Spatial asymmetry of nonlinear internal waves in the Lombok Strait. Progress in Oceanography, 2022, 309 1.5 7 202, 102759. Late Miocene–Quaternary seismic stratigraphic responses to tectonic and climatic changes at the northeastern margin of the South China Sea. Bulletin of the Geological Society of America, 2022, 134, 310 1.6 2611-2632. Energetics and Mixing of Stratified, Rotating Flow over Abyssal Hills. Journal of Physical 311 0.7 1 Oceanography, 2022, 52, 1155-1177. Solitary Waves Impinging on an Isolated Tropical Reef: Arrival Patterns and Wave Transformation 1.0 Under Shoaling. Journal of Geophysical Research: Oceans, 2022, 127, . Estimate of energy loss from internal solitary waves breaking on slopes. Nonlinear Processes in 313 2 0.6 Geophysics, 2022, 29, 161-170. A high-order spectral method for effective simulation of surface waves interacting with an internal 1.0 wave of large amplitude. Ocean Modelling, 2022, 173, 101996. Elemental and Isotopic Signatures of Bulk Sedimentary Organic Matter in Shenhu Area, Northern 315 0.8 0 South China Sea. Frontiers in Earth Science, 2022, 10, . Internal tide-induced turbulent mixing and suspended sediment transport at the bottom boundary layer of the South China Sea slope. Journal of Marine Systems, 2022, 230, 103723. Bilinear form and nonlinear waves of a (1+1)-dimensional generalized Boussinesq equation for the 317 2.4 1 gravity waves over water surface. Mathematics and Computers in Simulation, 2022, 198, 494-508. Internal Wave Imprints on Temperature Fluctuations as Revealed by Rapidâ€Sampling Deep Profiling Floats. Journal of Geophysical Research: Oceans, 2021, 126, . Satellite Observation of the Marine Light-Fishing and Its Dynamics in the South China Sea. Journal of 320 1.2 6 Marine Science and Engineering, 2021, 9, 1394. Internal solitary wave generation by the tidal flows beneath ice keel in the Arctic Ocean. Journal of Oceanology and Limnology, 2022, 40, 831-845.

#	Article	IF	CITATIONS
322	Interference of internal waves due to two point vortices: linear analytical solution and nonlinear interaction. Royal Society Open Science, 2022, 9, 211476.	1.1	0
323	Enhanced Diapycnal Mixing in the Deep Ocean Around the Island of Taiwan. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	1
324	Effects of Mixed Layer Depth on Phytoplankton Biomass in a Tropical Marginal Ocean: A Multiple Timescale Analysis. Earth's Future, 2022, 10, .	2.4	4
325	Assessment of theoretical approaches to derivation of internal solitary wave parameters from multi-satellite images near the Dongsha Atoll of the South China Sea. Acta Oceanologica Sinica, 2022, 41, 137-145.	0.4	7
334	Experimental Investigation and Prediction Model of the Loads Exerted by Oblique Internal Solitary Waves on FPSO. China Ocean Engineering, 2022, 36, 179-190.	0.6	4
335	Tectonic and oceanographic controls on the slope-confined dendritic canyon system in the Dongsha Slope, South China Sea. Geomorphology, 2022, 410, 108285.	1.1	3
336	Study on the applicability of the high-order unidirectional internal solitary wave theoretical model. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
337	Observations of Reflected Internal Solitary Waves near the Continental Shelf of the Dongsha Atoll. Journal of Marine Science and Engineering, 2022, 10, 763.	1.2	2
338	Including Tides Improves Subtidal Prediction in a Region of Strong Surface and Internal Tides and Energetic Mesoscale Circulation. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	5
340	On Internal Tides Driving Residual Currents and Upwelling on an Island. Journal of Geophysical Research: Oceans, 0, , .	1.0	0
341	Modulation of submesoscale motions due to tides and a shallow ridge along the Kuroshio. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 186, 103828.	0.6	4
342	A high accuracy/resolution spectral element/Fourier–Galerkin method for the simulation of shoaling non-linear internal waves and turbulence in long domains with variable bathymetry. Ocean Modelling, 2022, 176, 102065.	1.0	0
343	Observations of shoaling internal wave transformation over a gentle slope in the South China Sea. Nonlinear Processes in Geophysics, 2022, 29, 279-299.	0.6	1
344	Numerical Simulations of Cross-boundary Layer Transport by Head-on Internal Solitary Wave Collisions. Water Waves, 0, , .	0.3	0
345	Incoherence of the M2 and K1 internal tides radiated from the Luzon Strait under the influence of looping and leaping Kuroshio. Progress in Oceanography, 2022, 206, 102850.	1.5	6
346	Fate of internal solitary wave and enhanced mixing in Manado Bay, North Sulawesi, Indonesia. Continental Shelf Research, 2022, 245, 104801.	0.9	2
347	Shear Instability in Internal Solitary Waves in the Northern South China Sea Induced by Multiscale Background Processes. Journal of Physical Oceanography, 2022, 52, 2975-2994.	0.7	3
348	Large Amplitude Internal Wave Transformation Into Shallow Water. Journal of Physical Oceanography, 2022, , .	0.7	2

#	Article	IF	CITATIONS
349	Observation of Bottom-Trapped Topographic Rossby Waves to the West of the Luzon Strait, South China Sea. Journal of Physical Oceanography, 2022, 52, 2853-2872.	0.7	3
350	Experimental Investigation on the Vertical Structure Characteristics of Internal Solitary Waves. Journal of Marine Science and Engineering, 2022, 10, 1045.	1.2	3
351	Characteristics of internal solitary waves in the Maluku Sea, Indonesia. Oceanologia, 2023, 65, 333-342.	1.1	3
352	The essential observations for reconstructing full-depth tidal currents. Frontiers in Marine Science, 0, 9, .	1.2	0
353	Global Observations of Rotary-With-Depth Shear Spectra. Journal of Physical Oceanography, 2022, , .	0.7	1
354	Measurements of Turbulence Generated by Wake Eddies Near a Steep Headland. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	0
355	Wake Vortices and Dissipation in a Tidally Modulated Flow Past a Threeâ€Đimensional Topography. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	4
356	Oceanic internal waves generated by the Tongan volcano eruption. Acta Oceanologica Sinica, 2022, 41, 1-4.	0.4	1
357	Short timescale variability in large-amplitude internal waves on the western Portuguese shelf. Continental Shelf Research, 2022, 246, 104812.	0.9	2
358	Mounded seismic units in the modern canyon system in the Shenhu area, northern South China Sea: Sediment deformation, depositional structures or the mixed system?. Acta Oceanologica Sinica, 2022, 41, 107-116.	0.4	0
359	Internal solitary waves enhancing turbulent mixing in the bottom boundary layer of continental slope. Journal of Marine Systems, 2022, 236, 103805.	0.9	1
360	Improving stable isotope assessments of inter―and intraâ€species variation in coral reef fish trophic strategies. Ecology and Evolution, 2022, 12, .	0.8	3
361	Submarine Small-Scale Features of Cyclic Steps in the Penghu Canyon: Implications for the Migration of Canyon. Journal of Marine Science and Engineering, 2022, 10, 1301.	1.2	1
362	Evolution of oceanic near-inertial waves induced by typhoon Sarika (2016) in the South China Sea. Dynamics of Atmospheres and Oceans, 2022, 100, 101332.	0.7	4
363	A Directional Decomposition Method to Estimate the Reflection and Transmission of Nonlinear Internal Waves Over a Slope. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	0
364	Impact of Horizontal Resolution (Submesoscale Permitting vs. Mesoscale Resolving) on Ocean Dynamic Features in the South China Sea. Earth and Space Science, 2022, 9, .	1.1	2
365	Generation of Nonlinear Internal Waves Around Hainan Island. , 2022, , .		0
366	Submesoscale processes observed by high-frequency float in the western South China sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2023, 192, 103896.	0.6	3

#	Article	IF	CITATIONS
367	Submarine Trenches and Wave-Wave Interactions Enhance the Sediment Resuspension Induced by Internal Solitary Waves. Journal of Ocean University of China, 2023, 22, 983-992.	0.6	2
368	Energy balance and momentum budgets due to the internal tides generated by a group of submarine canyons. Ocean Modelling, 2022, , 102126.	1.0	2
369	Satellite data-driven and knowledge-informed machine learning model for estimating global internal solitary wave speed. Remote Sensing of Environment, 2022, 283, 113328.	4.6	16
370	Three-dimensional structures of internal solitary waves in the northern south China sea revealed by mooring array observations. Progress in Oceanography, 2022, 209, 102907.	1.5	5
371	Impact of seepage flow on sediment resuspension by internal solitary waves: parameterization and mechanism. Journal of Oceanology and Limnology, 2023, 41, 444-457.	0.6	3
372	Tidally Forced Turbulent Dissipation on a Three-Dimensional Fan in Luzon Strait. Journal of Physical Oceanography, 2023, 53, 177-193.	0.7	1
373	Remote sensing survey and research on internal solitary waves in the South China Sea-Western Pacific-East Indian Ocean (SCS-WPAC-EIND). Acta Oceanologica Sinica, 2022, 41, 154-170.	0.4	6
374	High-resolution, non-hydrostatic simulation of internal tides and solitary waves in the southern East China Sea. Ocean Modelling, 2023, 181, 102141.	1.0	2
375	An improved method for estimating internal solitary waves force on small circular cylindrical structures. Marine Structures, 2023, 87, 103329.	1.6	2
376	Bolus degeneration on uniform slopes. Estuarine, Coastal and Shelf Science, 2023, 280, 108190.	0.9	2
377	Refraction of the M2 internal tides by mesoscale eddies in the South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2023, 192, 103946.	0.6	5
378	Effect of internal solitary wave on the dynamic response of a flexible riser. Physics of Fluids, 2023, 35,	1.6	4
379	Observed internal tides in the deep northwestern Pacific by argo floats. Deep-Sea Research Part II: Topical Studies in Oceanography, 2022, , 105248.	0.6	0
380	Yam Seep at Four-Way Closure Ridge: a prominent active gas seep system at the accretionary wedge SW offshore Taiwan. International Journal of Earth Sciences, 2023, 112, 1043-1061.	0.9	7
381	Using a Tandem Flight Configuration between Sentinel-6 and Jason-3 to Compare SAR and Conventional Altimeters in Sea Surface Signatures of Internal Solitary Waves. Remote Sensing, 2023, 15, 392.	1.8	3
382	Observation of Near-Inertial Internal Gravity Waves in the Southern South China Sea. Remote Sensing, 2023, 15, 368.	1.8	1
383	Effects of nonlinear internal gravity waves on normal-incident reflection measurements of seafloor sediments. Journal of the Acoustical Society of America, 2023, 153, 328-337.	0.5	0
384	Spatial and temporal variation process of seabed dynamic response induced by the internal solitary wave. Acta Oceanologica Sinica, 2023, 42, 142-149.	0.4	1

#	Article	IF	CITATIONS
385	Along-slope bottom currents driven by dissipation of internal tides in the northeastern South China Sea. Frontiers in Marine Science, 0, 9, .	1.2	1
386	Experimental modification of the internal solitary wave force exerted on a horizontal transverse cylinder due to wave-flow and vortex shedding. Ocean Engineering, 2023, 269, 113513.	1.9	7
387	Hidden heatwaves and severe coral bleaching linked to mesoscale eddies and thermocline dynamics. Nature Communications, 2023, 14, .	5.8	14
388	Submesoscale dynamics accompanying the Kuroshio in the East China Sea. Frontiers in Marine Science, 0, 9, .	1.2	1
389	Effects of the Kuroshio on internal tides in the Luzon Strait: A model study. Frontiers in Marine Science, 0, 9, .	1.2	0
390	Reconstructing Internal Tides Field Based on Sampling by Autonomous Underwater Vehicles. IEEE Journal of Oceanic Engineering, 2023, 48, 607-625.	2.1	0
392	Quantifying the Water Contribution of Subtropical Mode Water and Related Isopycnal/Diapycnal Water Mixing in the Western Pacific Boundary Current Area Using Radiocesium: A Significant Nutrient Contribution From Subtropical Pacific Gyre to the Marginal Region. Journal of Geophysical Research: Oceans, 2023, 128, .	1.0	0
394	Theoretical study on simultaneous measurement of seawater temperature and salinity based on dual fiber interferometers combined with nonlinear decoupling algorithm. Measurement: Journal of the International Measurement Confederation, 2023, 211, 112596.	2.5	7
395	On the identification of internal solitary waves from moored observations in the northern South China Sea. Scientific Reports, 2023, 13, .	1.6	4
396	Impacts of inertial internal wave breaking mixing parameterization on a global ocean model. Progress in Oceanography, 2023, 212, 102997.	1.5	1
397	Pulsed turbidite and methane seep records in the north western South China Sea since the last glacial maximum. Frontiers in Marine Science, 0, 10, .	1.2	1
398	On the Generation and Evolution of Internal Solitary Waves in the Andaman Sea. Journal of Ocean University of China, 2023, 22, 335-348.	0.6	0
399	A New Method for In-Situ Measurement of Internal Solitary Waves Based on the Stimulated Raman Scattering in Optical Fibers. Journal of Ocean University of China, 0, , .	0.6	0
400	Seasonal Westâ€East Seesaw of M ₂ Internal Tides From the Luzon Strait. Journal of Geophysical Research: Oceans, 2023, 128, .	1.0	6
401	Formation of the Layered Circulation in South China Sea With the Mixing Stimulated Exchanging Current Through Luzon Strait. Journal of Geophysical Research: Oceans, 2023, 128, .	1.0	1
402	Spatial-temporal characteristics of the oceanic bottom mixed layer in the South China Sea. Frontiers in Marine Science, 0, 10, .	1.2	0
403	Intermittent Generation of Internal Solitaryâ€Like Waves on the Northern Shelf of the South China Sea. Geophysical Research Letters, 2023, 50, .	1.5	1
404	Asymmetric chlorophyll responses enhanced by internal waves near the Dongsha Atoll in the South China Sea. Journal of Oceanology and Limnology, 2023, 41, 418-426.	0.6	3

#	Article	IF	CITATIONS
405	Modulation of internal solitary waves by the Kuroshio in the northern South China Sea. Scientific Reports, 2023, 13, .	1.6	0
406	Plate convergence controls long-term full-depth circulation of the South China Sea. Marine Geology, 2023, 459, 107050.	0.9	1
407	Modern Carbonate Systems of Southeast Asia: Developing Insights for Understanding Subsurface Carbonate Reservoirs in Southeast Asia. , 2023, , 111-146.		1
409	Correlation of dynamic internal waves with foraging activity of marine mammals in the South China Sea. , 2023, , .		0
424	Wave Theory ~ Social Theory. , 2023, , 257-267.		0
425	Being the Wave. , 2023, , 141-147.		0
427	Radio Ocean. , 2023, , 148-153.		0
428	Blood, Waves. , 2023, , 208-210.		0
429	From the Waterwolf to the Sand Motor. , 2023, , 31-70.		0
430	Waves to Order and Disorder. , 2023, , 159-191.		0
431	Venice Hologram. , 2023, , 79-82.		0
433	The Genders of Waves. , 2023, , 71-78.		0
434	Massive Movie Waves. , 2023, , 192-202.		0
435	Hokusai Now. , 2023, , 203-207.		0
436	Wave Navigation, Sea of Islands. , 2023, , 83-89.		0
437	World Wide Waves, <i>In Silico</i> ., 2023, , 211-241.		0
438	Gravitational Waves, Sounded. , 2023, , 154-157.		0
439	Wave Power. , 2023, , 250-256.		0

#	Article	IF	CITATIONS
440	Wave Theory, Southern Theory. , 2023, , 269-299.		0
441	Middle Passages. , 2023, , 242-249.		0
442	Flipping the Ship. , 2023, , 91-140.		0
456	Changes in Sea Surface Slope Due to Internal Solitary Waves Revealed By Polarimetric SAR Images. , 2023, , .		0