Application of a transient reduced gravity plume model

Journal of Geophysical Research 99, 12375 DOI: 10.1029/94jc00528

Citation Report

#	Article	IF	CITATIONS
1	Descent of dense water masses along continental slopes. Journal of Marine Research, 1995, 53, 897-928.	0.3	43
2	A simple model for unsteady buoyancy-driven abyssal circulation. Geophysical and Astrophysical Fluid Dynamics, 1995, 81, 131-158.	1.2	2
3	A numerical study of three-dimensional dense bottom plumes on a Southern Ocean continental slope. Journal of Geophysical Research, 1995, 100, 18471.	3.3	43
4	Outflow of dense water from the Storfjord in Svalbard: A numerical model study. Journal of Geophysical Research, 1995, 100, 24719.	3.3	49
5	Rotational turbidity flows and the 1929 Grand Banks earthquake. Deep-Sea Research Part I: Oceanographic Research Papers, 1996, 43, 1143-1163.	1.4	8
6	Climate-sensitivity of European marginal seas, derived from the interpretation of modelling studies. Journal of Marine Systems, 1996, 7, 361-382.	2.1	14
7	Formation and export of water masses produced in Arctic shelf polynyas — process studies of oceanic convection. ICES Journal of Marine Science, 1997, 54, 366-382.	2.5	42
8	Internal Waves in the Strait of Messina Studied by a Numerical Model and Synthetic Aperture Radar Images from the <i>ERS 1/2</i> Satellites. Journal of Physical Oceanography, 1997, 27, 648-663.	1.7	155
9	Dynamics of Dense Water Cascades at the Shelf Edge. Journal of Physical Oceanography, 1997, 27, 2381-2394.	1.7	89
10	Simulations of the Atlantic Ocean with a free surface sigma coordinate ocean model. Journal of Geophysical Research, 1997, 102, 15647-15657.	3.3	60
11	Streamtube models of gravity currents in the ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1997, 44, 1575-1610.	1.4	19
12	Dynamic impact of oscillating sources on the North Atlantic deep circulation: A process study. Journal of Geophysical Research, 1997, 102, 10339-10352.	3.3	3
13	Principles for capturing the upstream effects of deep sills in low resolution ocean models. Dynamics of Atmospheres and Oceans, 1997, 26, 1-25.	1.8	8
14	Unsteady Abyssal Circulation Driven by a Discrete Buoyancy Source in a Continuously Stratified Ocean. Journal of Physical Oceanography, 1997, 27, 1349-1370.	1.7	0
15	Circulation, dense water formation, and outflow on the northeast Chukchi Shelf. Journal of Geophysical Research, 1998, 103, 7647-7661.	3.3	275
16	Effects of topographic steering and ambient stratification on overflows on continental slopes: A model study. Journal of Geophysical Research, 1998, 103, 5459-5476.	3.3	32
17	Eddy formation in the Denmark Strait overflow. Journal of Geophysical Research, 1998, 103, 15525-15538.	3.3	35
18	Sigma Coordinate Pressure Gradient Errors and the Seamount Problem. Journal of Atmospheric and Oceanic Technology, 1998, 15, 1122-1131.	1.3	169

ATION RE

#	Article	IF	CITATIONS
19	Sediments in Bottom-Arrested Gravity Plumes: Numerical Case Studies*. Journal of Physical Oceanography, 1998, 28, 2250-2274.	1.7	65
20	Possible predictability in overflow from the Denmark Strait. Nature, 1999, 397, 243-246.	27.8	53
21	A numerical investigation of the transport process of dense shelf water from a continental shelf to a slope. Journal of Geophysical Research, 1999, 104, 1197-1210.	3.3	26
22	Sediment-induced slope convection: Two-dimensional numerical case studies. Journal of Geophysical Research, 1999, 104, 20509-20522.	3.3	15
23	Overflow into the deep Caribbean: Effects of plume variability. Journal of Geophysical Research, 1999, 104, 25913-25935.	3.3	27
24	A Three-Dimensional Simulation of the Formation of Anticyclonic Lenses (Meddies) by the Instability of an Intermediate Depth Boundary Current. Journal of Physical Oceanography, 1999, 29, 1579-1598.	1.7	36
25	An Embedded Bottom Boundary Layer Formulation forZ-Coordinate Ocean Models. Journal of Atmospheric and Oceanic Technology, 2000, 17, 546-560.	1.3	25
26	Sediment-Driven Downslope Flow in Submarine Canyons and Channels: Three-Dimensional Numerical Experiments. Journal of Physical Oceanography, 2000, 30, 2302-2319.	1.7	16
27	A three-dimensional model study of the Mediterranean outflow. Journal of Marine Systems, 2000, 24, 41-66.	2.1	59
28	Title is missing!. Journal of Oceanography, 2000, 56, 117-130.	1.7	11
29	Effects of a Bottom Boundary Layer Parameterization in a Coarse-Resolution Model of the North Atlantic Ocean. Journal of Atmospheric and Oceanic Technology, 2000, 17, 698-707.	1.3	25
30	Circulation and boundary layers in differentially heated rotating stratified fluid. Dynamics of Atmospheres and Oceans, 2000, 31, 1-21.	1.8	7
31	Experiments with density currents on a sloping bottom in a rotating fluid. Dynamics of Atmospheres and Oceans, 2000, 31, 139-164.	1.8	45
32	Dense saline plumes in Exuma Sound, Bahamas. Journal of Geophysical Research, 2000, 105, 11471-11488.	3.3	38
33	Flow through Denmark Strait. Journal of Geophysical Research, 2000, 105, 28527-28546.	3.3	54
34	Impact of multiple submarine channels on the descent of dense water at high latitudes. Journal of Geophysical Research, 2000, 105, 8753-8773.	3.3	13
35	Modeling and Observations of Deep Water Renewal and Entrainment in a Swedish Sill Fjord. Journal of Physical Oceanography, 2001, 31, 3401-3420.	1.7	16
36	Baroclinic instability of density current along a sloping bottom and the associated transport process. Journal of Geophysical Research, 2001, 106, 2621-2638.	3.3	37

		CITATION REP	ORT	
#	Article		IF	CITATIONS
37	On the rate of descent of overflows. Journal of Geophysical Research, 2001, 106, 22267-22	275.	3.3	47
38	Cyclogenesis in the Denmark Strait Overflow Plume. Journal of Physical Oceanography, 200 3214-3229.	1, 31,	1.7	49
39	Laboratory and numerical model studies of a negatively-buoyant jet discharged horizontally homogeneous rotating fluid. Geophysical and Astrophysical Fluid Dynamics, 2001, 95, 127-	into a 183.	1.2	7
40	Rotating channel flow: Control and upstream currents. Geophysical and Astrophysical Fluid Dynamics, 2001, 95, 185-226.		1.2	16
41	Particle transport processes at slope environments — event driven flux across the Barents continental margin. Marine Geology, 2001, 175, 237-250.	Sea	2.1	22
42	Downward Migration of Dense Bottom Currents. Environmental Fluid Mechanics, 2001, 1, 2	257-279.	1.6	39
43	Ventilation of Black Sea pycnocline by the Mediterranean plume. Journal of Marine Systems 77-97.	, 2001, 31,	2.1	26
44	Mixing in the Bosphorus Strait and the Black Sea continental shelf: observations and a mod dense water outflow. Journal of Marine Systems, 2001, 31, 99-135.	el of the	2.1	85
45	Decay of Stable Warm-Core Eddies in a Layered Frontal Model. Journal of Physical Oceanog 32, 188-201.	aphy, 2002,	1.7	17
46	Effects of Bottom Boundary Layer Parameterization on Reproducing Deep and Bottom Wat World Ocean Model. Journal of Physical Oceanography, 2002, 32, 1209-1227.	ers in a	1.7	78
47	Dynamics of Two-Dimensional Turbulent Bottom Gravity Currents. Journal of Physical Ocean 2002, 32, 1460-1478.	10graphy,	1.7	48
48	Simulations of ice-ocean dynamics in the Weddell Sea 2. Interannual variability 1985–199 Geophysical Research, 2002, 107, 11-1.	93. Journal of	3.3	53
49	Topographic steering of dense currents with application to submarine canyons. Deep-Sea R Part I: Oceanographic Research Papers, 2002, 49, 305-320.	esearch	1.4	70
50	Laboratory model studies of Mediterranean outflow adjustment in the Gulf of Cadiz. Deep-S Research Part II: Topical Studies in Oceanography, 2002, 49, 4207-4223.	Sea	1.4	12
51	Density currents in the two-layer flow: an example of Dardanelles outflow. Oceanologica Ac European Journal of Oceanology - Revue Europeene De Oceanologie, 2003, 26, 243-253.	ta:	0.7	34
52	Structure and variability of the Denmark Strait Overflow: Model and observations. Journal o Geophysical Research, 2003, 108, .	f	3.3	90
53	Modelling the Gravity Current flowing from the Bosphorus to the Black Sea. Geophysical an Astrophysical Fluid Dynamics, 2003, 97, 1-24.	d	1.2	7
54	A theoretical, two-layer, reduced-gravity model for descending dense water flow on contine shelves/slopes. Journal of Geophysical Research, 2003, 108, .	ntal	3.3	12

#	Article	IF	CITATIONS
55	Numerical simulations of the Mediterranean sea outflow: impact of the entrainment parameterization in an isopycnic coordinate ocean model. Ocean Modelling, 2003, 5, 325-356.	2.4	44
56	Turbulent Mixing in the Red Sea Outflow Plume from a High-Resolution Nonhydrostatic Model. Journal of Physical Oceanography, 2003, 33, 1846-1869.	1.7	31
57	A model for the spreading and sinking of the Deep Ice Shelf Water in the Ross Sea. Antarctic Science, 2003, 15, 25-30.	0.9	16
58	The Alternative Density Structures of Cold/Saltwater Pools on a Sloping Bottom: The Role of Friction. Journal of Physical Oceanography, 2003, 33, 390-406.	1.7	14
59	Descent and Modification of the Overflow Plume in the Denmark Strait*. Journal of Physical Oceanography, 2003, 33, 1351-1364.	1.7	129
60	Cascades of dense water around the world ocean. Progress in Oceanography, 2004, 60, 47-98.	3.2	257
61	Topographic advection of dense bottom water. Journal of Fluid Mechanics, 2004, 510, 95-104.	3.4	16
62	Downward channeling of dense water in topographic corrugations. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 577-590.	1.4	31
63	Three-Dimensional Turbulent Bottom Density Currents from a High-Order Nonhydrostatic Spectral Element Model. Journal of Physical Oceanography, 2004, 34, 2006-2026.	1.7	75
64	A Dense Current Flowing down a Sloping Bottom in a Rotating Fluid. Journal of Physical Oceanography, 2004, 34, 188-203.	1.7	136
65	Modelling processes influencing shelf edge exchange of water and suspended sediment. Continental Shelf Research, 2005, 25, 973-1001.	1.8	9
66	Water mass characteristics in the deep layers of the western Ionian Basin observed during May 2003. Geophysical Research Letters, 2006, 33, .	4.0	39
67	The Effects of Rotation and Ice Shelf Topography on Frazil-Laden Ice Shelf Water Plumes. Journal of Physical Oceanography, 2006, 36, 2312-2327.	1.7	50
68	The Effect of a New Drag-Law Parameterization on Ice Shelf Water Plume Dynamics. Journal of Physical Oceanography, 2007, 37, 1778-1792.	1.7	3
69	Numerical modeling of oceanâ€ice interactions under Pine Island Bay's ice shelf. Journal of Geophysical Research, 2007, 112, .	3.3	117
70	Ice Shelf Water plume flow beneath Filchner-Ronne Ice Shelf, Antarctica. Journal of Geophysical Research, 2007, 112, .	3.3	28
71	Chapter 4 Abyssal and Contour Currents. Developments in Sedimentology, 2008, 60, 35-57.	0.5	10
73	Tidal effect on the dense water discharge, Part 2: A numerical study. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 884-894.	1.4	10

#	Article	IF	CITATIONS
74	Tidal effect on the dense water discharge, Part 1: Analytical model. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 874-883.	1.4	10
75	Generalizations of the Wedderburn number: Parameterizing upwelling in stratified lakes. Limnology and Oceanography, 2010, 55, 1377-1389.	3.1	63
76	The Deep Western Boundary Current at Cape Farewell: Results from a Moored Current Meter Array. Journal of Physical Oceanography, 2010, 40, 815-829.	1.7	37
77	A New Parameterization for Entrainment in Overflows. Journal of Physical Oceanography, 2010, 40, 1835-1850.	1.7	94
78	The role of the deep mixing in the Storfjorden shelf water plume. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 403-414.	1.4	20
79	On the descent of dense water on a complex canyon system in the southern Adriatic basin. Continental Shelf Research, 2012, 44, 20-29.	1.8	40
80	Abyssal undular vortices in the Eastern Mediterranean basin. Nature Communications, 2012, 3, 834.	12.8	21
81	Structure and variability of the abyssal water masses in the Ionian Sea in the period 2003â€2010. Journal of Geophysical Research: Oceans, 2013, 118, 931-943.	2.6	34
82	Observations and Modelling of Antarctic Downslope Flows: A Review. Antarctic Research Series, 0, , 29-49.	0.2	107
83	Effects of winter convection on the deep layer of the Southern Adriatic Sea in 2012. Journal of Geophysical Research: Oceans, 2013, 118, 6064-6075.	2.6	66
84	Contourites and associated sediments controlled by deep-water circulation processes: State-of-the-art and future considerations. Marine Geology, 2014, 352, 111-154.	2.1	582
85	Abyssal circulation and hydrographic conditions in the Western Ionian Sea during Spring–Summer 2007 and Autumn–Winter 2007–2008. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 104, 26-40.	1.4	6
86	On the hydrography of <scp>D</scp> enmark <scp>S</scp> trait. Journal of Geophysical Research: Oceans, 2017, 122, 306-321.	2.6	48
87	On the Nature of the Mesoscale Variability in Denmark Strait. Journal of Physical Oceanography, 2017, 47, 567-582.	1.7	19
88	The numerics of hydrostatic structured-grid coastal ocean models: State of the art and future perspectives. Ocean Modelling, 2018, 125, 80-105.	2.4	63
89	Subglacial Plumes. Annual Review of Fluid Mechanics, 2020, 52, 145-169.	25.0	42
90	Impact of dense-water flow over a sloping bottom on open-sea circulation: laboratory experiments and an Ionian Sea (Mediterranean) example. Ocean Science, 2021, 17, 975-996.	3.4	11
91	Dense Water Formation on the Icelandic Shelf and Its Contribution to the North Icelandic Jet. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016951.	2.6	5

#	Article	IF	Citations
92	Intruding gravity currents and re-circulation in a rotating frame: Laboratory experiments. Physics of Fluids, 2021, 33, .	4.0	8
93	Bottom current-controlled Quaternary sedimentation at the foot of the Malta Escarpment (Ionian) Tj ETQq1 1 0.7	784314 rg 2.1	BT <u>/</u> Overlock
94	The Overflow Flux West of Iceland: Variability, Origins and Forcing. , 2008, , 443-474.		42
95	Modelling the Overflows Across the Greenland–Scotland Ridge. , 2008, , 527-549.		15
96	The Representation of Bottom Boundary Layer Processes in Numerical Ocean Circulation Models. , 1998, , 135-154.		14
97	Heat and Salt Intrusions in the Pycnocline from Sinking Plumes. Test Case for the Entrainment in the Black Sea. , 1997, , 417-438.		3
99	Transient Influence of the Reduction of Deepwater Formation on Ocean Heat Uptake and Heat Budgets in the Global Climate System. Geophysical Research Letters, 2022, 49, .	4.0	2
100	The Vertical Structure and Entrainment of Subglacial Melt Water Plumes. Journal of Advances in Modeling Earth Systems, 2022, 14	3.8	5