

Peter G Baines

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

972
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified description of two-layer flow over topography. <i>Journal of Fluid Mechanics</i> , 1984, 146, 127-167.	3.4	152
2	Evidence for a Rapid Global Climate Shift across the Late 1960s. <i>Journal of Climate</i> , 2007, 20, 2721-2744.	3.2	149
3	Mixing in flows down gentle slopes into stratified environments. <i>Journal of Fluid Mechanics</i> , 2001, 443, 237-270.	3.4	137
4	On the mechanism of shear flow instabilities. <i>Journal of Fluid Mechanics</i> , 1994, 276, 327-342.	3.4	111
5	Observations and Modelling of Antarctic Downslope Flows: A Review. <i>Antarctic Research Series</i> , 0, , 29-49.	0.2	107
6	Eddy formation by dense flows on slopes in a rotating fluid. <i>Journal of Fluid Mechanics</i> , 1998, 363, 229-252.	3.4	95
7	Mixing regimes for the flow of dense fluid down slopes into stratified environments. <i>Journal of Fluid Mechanics</i> , 2005, 538, 245.	3.4	74
8	Two-dimensional plumes in stratified environments. <i>Journal of Fluid Mechanics</i> , 2002, 471, 315-337.	3.4	36
9	Mixing in Downslope Flows in the Ocean - Plumes versus Gravity Currents. <i>Atmosphere - Ocean</i> , 2008, 46, 405-419.	1.6	29
10	Internal hydraulic jumps in two-layer systems. <i>Journal of Fluid Mechanics</i> , 2016, 787, 1-15.	3.4	27
11	The variation of large-magnitude volcanic ash cloud formation with source latitude. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
12	A model for the structure of the Antarctic Slope Front. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 859-873.	1.4	16
13	The dynamics of intrusions into a density-stratified crossflow. <i>Physics of Fluids</i> , 2013, 25, 076601.	4.0	6
14	The zonal structure of the Hadley circulation. <i>Advances in Atmospheric Sciences</i> , 2006, 23, 869-883.	4.3	5
15	The Generation and Propagation of Atmospheric Internal Waves Caused by Volcanic Eruptions. <i>Atmosphere</i> , 2017, 8, 60.	2.3	4
16	Patterns of decadal climate variability and their impact on global rainfall. <i>Procedia Environmental Sciences</i> , 2011, 6, 70-87.	1.4	3
17	Non-linear Topographic Effects in Two-Layer Flows. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	2
18	Comments on "The Interaction of an Eastward-Flowing Current and an Island: Sub- and Supercritical Flow". <i>Journal of Physical Oceanography</i> , 2016, 46, 2263-2265.	1.7	2