

Dmitry V Stepanov

List of Publications by Year in descending order

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papers

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docs citations

28
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscale Dynamics and Eddy Heat Transport in the Japan/East Sea from 1990 to 2010: A Model-Based Analysis. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 33.	2.6	2
2	Turbulent mixing and its contribution to the oxygen flux in the northwestern boundary current region of the Japan/East Sea, April–October 2015. <i>Journal of Marine Systems</i> , 2021, 224, 103619.	2.1	5
3	Clustering of Floating Tracer Due to Mesoscale Vortex and Submesoscale Fields. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086504.	4.0	5
4	Floating tracer clustering in divergent random flows modulated by an unsteady mesoscale ocean field. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 690-714.	1.2	5
5	ESTIMATION OF THE SYNOPTIC EDDIES INFLUENCE ON THE ACOUSTIC RANGING ACCURACY. <i>Podvodnyye Issledovaniia i Robototekhnika</i> , 2020, , 53-60.	0.1	0
6	Clustering of floating tracers in weakly divergent velocity fields. <i>Physical Review E</i> , 2019, 100, 063108.	2.1	7
7	Eddy energy sources and mesoscale eddies in the Sea of Okhotsk. <i>Ocean Dynamics</i> , 2018, 68, 825-845.	2.2	11
8	Mesoscale eddies and baroclinic instability over the eastern Sakhalin shelf of the Sea of Okhotsk: a model-based analysis. <i>Ocean Dynamics</i> , 2018, 68, 1353-1370.	2.2	9
9	Estimating the baroclinic Rossby radius of deformation in the Sea of Okhotsk. <i>Russian Meteorology and Hydrology</i> , 2017, 42, 601-606.	1.3	9
10	Internal tides in the coastal zone of the Sea of Japan in autumn. <i>Russian Meteorology and Hydrology</i> , 2016, 41, 564-568.	1.3	4
11	On intense internal waves in the coastal zone of the Peter the Great Bay (the Sea of Japan). <i>Russian Meteorology and Hydrology</i> , 2016, 41, 629-634.	1.3	12
12	Role of wind and thermal forcing in the formation of the water circulation variability in the Japan/East Sea Central Basin in 1958–2006. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2016, 52, 207-216.	0.9	5
13	Observations of internal undular bores on the Japan/East Sea shelf-coastal region. <i>Ocean Dynamics</i> , 2016, 66, 19-25.	2.2	13
14	Numerical simulation of water circulation in the central part of the Sea of Japan and study of its long-term variability in 1958–2006. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2014, 50, 73-84.	0.9	6
15	Sub-inertial modulation of nonlinear Kelvin waves in the coastal zone. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 357-364.	1.3	3
16	Internal Kelvin wave frontogenesis on the equatorial pycnocline. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2011, 105, 438-452.	1.2	1
17	Background current concept and chaotic advection in an oceanic vortex flow. <i>Theoretical and Computational Fluid Dynamics</i> , 2010, 24, 59-64.	2.2	20
18	Evaluating the stochastic layer thickness in a two-layer topographic vortex model. <i>Technical Physics Letters</i> , 2008, 34, 531-534.	0.7	7

#	ARTICLE	IF	CITATIONS
19	Estimation of Optimal for Chaotic Transport Frequency of Non-Stationary Flow Oscillation. , 2008, , 393-402.		0
20	Determination of the optimal excitation frequency range in background flows. Chaos, 2008, 18, 013107.	2.5	27
21	Chaotic advection induced by a topographic vortex in baroclinic ocean. Doklady Earth Sciences, 2006, 407, 455-459.	0.7	9
22	Determining the optimal frequency of perturbation in the problem of chaotic transport of particles. Doklady Physics, 2006, 51, 219-222.	0.7	12
23	Boundary Effect on the Mixing and Transport of Passive Impurities in a Nonstationary Flow. Technical Physics Letters, 2005, 31, 135.	0.7	7
24	Title is missing!. Regular and Chaotic Dynamics, 2004, 9, 439.	0.8	4
25	Various regimes of motion of a spherical cavity at a negative external pressure. Doklady Physics, 2003, 48, 649-653.	0.7	0