Dmitry V Stepanov

List of Publications by Year
in descending order

25	183	1040056 9	1125743 13
papers	citations	h-index	g-index

28	28	28	54
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of the optimal excitation frequency range in background flows. Chaos, 2008, 18, 013107.	2.5	27
2	Background current concept and chaotic advection in an oceanic vortex flow. Theoretical and Computational Fluid Dynamics, 2010, 24, 59-64.	2.2	20
3	Observations of internal undular bores on the Japan/East Sea shelf-coastal region. Ocean Dynamics, 2016, 66, 19-25.	2.2	13
4	Determining the optimal frequency of perturbation in the problem of chaotic transport of particles. Doklady Physics, 2006, 51, 219-222.	0.7	12
5	On intense internal waves in the coastal zone of the Peter the Great Bay (the Sea of Japan). Russian Meteorology and Hydrology, 2016, 41, 629-634.	1.3	12
6	Eddy energy sources and mesoscale eddies in the Sea of Okhotsk. Ocean Dynamics, 2018, 68, 825-845.	2.2	11
7	Chaotic advection induced by a topographic vortex in baroclinic ocean. Doklady Earth Sciences, 2006, 407, 455-459.	0.7	9
8	Estimating the baroclinic Rossby radius of deformation in the Sea of Okhotsk. Russian Meteorology and Hydrology, 2017, 42, 601-606.	1.3	9
9	Mesoscale eddies and baroclinic instability over the eastern Sakhalin shelf of the Sea of Okhotsk: a model-based analysis. Ocean Dynamics, 2018, 68, 1353-1370.	2.2	9
10	Boundary Effect on the Mixing and Transport of Passive Impurities in a Nonstationary Flow. Technical Physics Letters, 2005, 31, 135.	0.7	7
11	Evaluating the stochastic layer thickness in a two-layer topographic vortex model. Technical Physics Letters, 2008, 34, 531-534.	0.7	7
12	Clustering of floating tracers in weakly divergent velocity fields. Physical Review E, 2019, 100, 063108.	2.1	7
13	Numerical simulation of water circulation in the central part of the Sea of Japan and study of its long-term variability in 1958â€"2006. Izvestiya - Atmospheric and Oceanic Physics, 2014, 50, 73-84.	0.9	6
14	Role of wind and thermal forcing in the formation of the water circulation variability in the Japan/East Sea Central Basin in 1958â€"2006. Izvestiya - Atmospheric and Oceanic Physics, 2016, 52, 207-216.	0.9	5
15	Clustering of Floating Tracer Due to Mesoscale Vortex and Submesoscale Fields. Geophysical Research Letters, 2020, 47, e2019GL086504.	4.0	5
16	Floating tracer clustering in divergent random flows modulated by an unsteady mesoscale ocean field. Geophysical and Astrophysical Fluid Dynamics, 2020, 114, 690-714.	1.2	5
17	Turbulent mixing and its contribution to the oxygen flux in the northwestern boundary current region of the Japan/East Sea, Aprilâ€"October 2015. Journal of Marine Systems, 2021, 224, 103619.	2.1	5
18	Internal tides in the coastal zone of the Sea of Japan in autumn. Russian Meteorology and Hydrology, 2016, 41, 564-568.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Regular and Chaotic Dynamics, 2004, 9, 439.	0.8	4
20	Sub-inertial modulation of nonlinear Kelvin waves in the coastal zone. Nonlinear Processes in Geophysics, 2013, 20, 357-364.	1.3	3
21	Mesoscale Dynamics and Eddy Heat Transport in the Japan/East Sea from 1990 to 2010: A Model-Based Analysis. Journal of Marine Science and Engineering, 2022, 10, 33.	2.6	2
22	Internal Kelvin wave frontogenesis on the equatorial pycnocline. Geophysical and Astrophysical Fluid Dynamics, 2011, 105, 438-452.	1.2	1
23	Various regimes of motion of a spherical cavity at a negative external pressure. Doklady Physics, 2003, 48, 649-653.	0.7	0
24	Estimation of Optimal for Chaotic Transport Frequency of Non-Stationary Flow Oscillation. , 2008, , 393-402.		0
25	ESTIMATION OF THE SYNOPTIC EDDIES INFLUENCE ON THE ACOUSTIC RANGING ACCURACY. Podvodnye Issledovaniia I Robototehnika, 2020, , 53-60.	0.1	0