Eugenia Stepanova

List of Publications by Year
in descending order

26	90	1478505 6	1474206 9
papers	citations	h-index	g-index

26	26	26	22
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marker transport in a composite vortex. Fluid Dynamics, 2010, 45, 843-858.	0.9	14
2	Transport of oil in a compound vortex. Fluid Dynamics, 2011, 46, 214-224.	0.9	10
3	Deformation of a compact oil patch at a compound-vortex surface. Doklady Physics, 2010, 55, 238-241.	0.7	8
4	Anisotropic transport of an admixture in a compound vortex. Doklady Physics, 2008, 53, 634-638.	0.7	6
5	Structural stability of substance transport in a compound vortex. Izvestiya - Atmospheric and Oceanic Physics, 2012, 48, 516-527.	0.9	6
6	Laser-Induced Phase Transitions in Vitreous Se Films Obtained by Vacuum-Thermal Evaporation. Technical Physics Letters, 2018, 44, 797-800.	0.7	6
7	VORTEX FLOW WITH A FREE SURFACE: COMPARISON OF ANALYTICAL SOLUTIONS WITH EXPERIMENTALLY OBSERVED LIQUID PARTICLE TRAJECTORIES. International Journal of Fluid Mechanics Research, 2017, 44, 215-227.	0.4	6
8	Formation of a single spiral arm from a central marking-admixture spot on a compound-vortex surface. Doklady Physics, 2010, 55, 43-46.	0.7	5
9	The peculiarities of admixture transport in a stationary vortex flow. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2012, 67, 391-397.	0.4	5
10	Phase size effect in thin Ge-Se polycrystalline films. Technical Physics, 2013, 58, 1291-1296.	0.7	4
11	Experimental investigation of oil transport in a compound vortex. Journal of Applied Mechanics and Technical Physics, 2013, 54, 408-414.	0.5	3
12	Analytical and experimental study of the substance transport in the vortex flow. Theoretical and Computational Fluid Dynamics, 2019, 33, 561-576.	2.2	3
13	The structural stability of the pattern of immiscible fluid transfer in a vortex flow. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2014, 69, 565-571.	0.4	2
14	Forms of partial breakdown of an oil body in a compound vortex. Fluid Dynamics, 2014, 49, 343-353.	0.9	2
15	Application of photometry method to some hydrodynamic objectives. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2015, 70, 208-212.	0.4	2
16	Development and Sampling of the Device for Collecting Liquid Hydrocarbons from the Water Surface. Springer Geology, 2021, , 95-105.	0.3	2
17	Elimination of Hydrocarbons Spills on Water Objects and Fluorescent Diagnostics of Water Pureness. Springer Geology, 2018, , 17-27.	0.3	2
18	Flows induced by sorption on fibrous material in a two-layer oilâ^'water system. Doklady Physics, 2016, 61, 444-448.	0.7	1

#	Article	IF	Citations
19	Theoretical and experimental studies of the boundaries between two immiscible liquids in a vortex flow with a free surface. Moscow University Physics Bulletin (English Translation of Vestnik) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		
20	An air cavity above a complex vortex: an experimental and analytical study of the features of its lower part. Journal of Physics: Conference Series, 2021, 1942, 012073.	0.4	1
21	Features Study of the Marks Movement on the Surface and in the Depth of Vortex Flow. Springer Geology, 2020, , 299-310.	0.3	1
22	Two forms of partial breakup for an oil body in a vortex flow. Doklady Physics, 2014, 59, 279-282.	0.7	0
23	On Influence of Inclusions and Cracks on Mechanical Properties of Rocks. Springer Proceedings in Earth and Environmental Sciences, 2019, , 472-479.	0.4	0
24	Experimental and Analytical Study of Submerged Jet. Springer Proceedings in Earth and Environmental Sciences, 2019, , 75-82.	0.4	0
25	Modeling of Seepage into a Well Accounting Anisotropy of Rock Strength Properties. Springer Geology, 2021, , 253-262.	0.3	0
26	Analytical and Experimental Modelling of the Hydrocarbonâ€™s Spot Form and Its Spreading on the Water Surface. Springer Geology, 2022, , 229-238.	0.3	0