

Dmitry Agafontsev

List of Publications by Year in descending order

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26
papers

498
citations

840585

11
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642610

23
g-index

26
all docs

26
docs citations

26
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressible vortex structures and their role in the onset of hydrodynamic turbulence. Physics-Uspekh, 2022, 65, 189-208.	0.8	3
2	Extreme rogue wave generation from narrowband partially coherent waves. Physical Review E, 2021, 103, 032209.	0.8	12
3	Rogue Waves With Rational Profiles in Unstable Condensate and Its Solitonic Model. Frontiers in Physics, 2021, 9, .	1.0	7
4	Stability of Tangential Discontinuity for the Vortex Pancakes. JETP Letters, 2021, 114, 71-75.	0.4	1
5	Solitonic model of the condensate. Physical Review E, 2021, 104, 044213.	0.8	10
6	Growing of integrable turbulence. Low Temperature Physics, 2020, 46, 786-791.	0.2	3
7	Statistical Properties of the Velocity Field for the 3D Hydrodynamic Turbulence Onset. JETP Letters, 2019, 110, 121-126.	0.4	2
8	Compressible structures in incompressible hydrodynamics and their role in turbulence onset. IOP Conference Series: Earth and Environmental Science, 2019, 231, 012002.	0.2	0
9	Statistical Properties of the Nonlinear Stage of Modulation Instability in Fiber Optics. Physical Review Letters, 2019, 123, 093902.	2.9	51
10	Space-Time Evolution of Noise-Driven Modulation Instability in Optical Fibers Experiments. , 2019, , .		0
11	Bound State Soliton Gas Dynamics Underlying the Spontaneous Modulational Instability. Physical Review Letters, 2019, 123, 234102.	2.9	67
12	Strongly interacting soliton gas and formation of rogue waves. Physical Review E, 2018, 98, .	0.8	54
13	Development of high vorticity structures and geometrical properties of the vortex line representation. Physics of Fluids, 2018, 30, .	1.6	10
14	Asymptotic solution for high-vorticity regions in incompressible three-dimensional Euler equations. Journal of Fluid Mechanics, 2017, 813, .	1.4	18
15	Integrable turbulence generated from modulational instability of cnoidal waves. Nonlinearity, 2016, 29, 3551-3578.	0.6	46
16	Development of high vorticity in incompressible 3D Euler equations: Influence of initial conditions. JETP Letters, 2016, 104, 685-689.	0.4	9
17	Intermittency in generalized NLS equation with focusing six-wave interactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2586-2590.	0.9	5
18	Integrable turbulence and formation of rogue waves. Nonlinearity, 2015, 28, 2791-2821.	0.6	113

#	ARTICLE	IF	CITATIONS
19	Development of high vorticity structures in incompressible 3D Euler equations. Physics of Fluids, 2015, 27, .	1.6	24
20	Extreme waves statistics for the Ablowitz-Ladik system. JETP Letters, 2014, 98, 731-734.	0.4	11
21	Extreme events in optics: Challenges of the MANUREVA project. European Physical Journal: Special Topics, 2010, 185, 125-133.	1.2	29
22	On the modulation instability development in optical fiber systems. JETP Letters, 2010, 91, 630-635.	0.4	0
23	Bifurcations and the stability of the surface envelope solitons for a finite-depth fluid. JETP Letters, 2008, 87, 195.	0.4	2
24	Collapse of solitary waves near the transition from supercritical to subcritical bifurcations. JETP Letters, 2008, 87, 667-671.	0.4	6
25	Deep-water internal solitary waves near critical density ratio. Physica D: Nonlinear Phenomena, 2007, 225, 153-168.	1.3	13
26	Bifurcations and stability of internal solitary waves. JETP Letters, 2006, 83, 201-205.	0.4	2