

Eugene N Kalaidin

List of Publications by Year in descending order

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21
papers

193
citations

1684188

5
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction dynamics of solitary waves on a falling film. <i>Journal of Fluid Mechanics</i> , 1995, 294, 123-154.	3.4	71
2	Simulation of noise-driven wave dynamics on a falling film. <i>AIChE Journal</i> , 1996, 42, 1553-1568.	3.6	54
3	Coarsening dynamics of falling-film solitary waves. <i>Physical Review E</i> , 1996, 54, 1467-1477.	2.1	27
4	Self-similar solutions in ion-exchange membranes and their stability. <i>Doklady Physics</i> , 2010, 55, 502-506.	0.7	11
5	On the theory of electrophoresis of the second kind. <i>Doklady Physics</i> , 2009, 54, 210-214.	0.7	7
6	On the theory of roll waves in inclined channels. <i>Doklady Physics</i> , 2005, 50, 220-222.	0.7	4
7	Three-dimensional solitons in a falling liquid film. <i>Doklady Physics</i> , 2006, 51, 37-39.	0.7	4
8	Stability of two-dimensional solitons and the 2D \rightarrow 3D transition in a viscous liquid film falling down on a vertical wall. <i>Doklady Physics</i> , 2005, 50, 668-670.	0.7	3
9	Asymptotic solution of the Nernst-Planck-Poisson-Stokes set near a surface with selective properties. <i>Doklady Physics</i> , 2012, 57, 321-326.	0.7	3
10	Optimum regimes of mass transfer in fluid films. <i>Doklady Physics</i> , 2005, 50, 115-117.	0.7	2
11	One type of hydrodynamic instability in joule heating of a fluid near an ion-selective surface. <i>Doklady Physics</i> , 2016, 61, 275-278.	0.7	2
12	Hydrodynamics, electroosmosis, and electrokinetic instability in imperfect electric membranes. <i>Doklady Physics</i> , 2017, 62, 222-227.	0.7	2
13	Spectral properties of nonlinear solitary waves on the surface of thin liquid films. <i>Doklady Physics</i> , 2006, 51, 276-278.	0.7	1
14	Stability of three-dimensional solitons in liquid films vertically flowing down. <i>Doklady Physics</i> , 2007, 52, 156-160.	0.7	1
15	Three-dimensional non-stationary processes in a vertically falling film of a viscous liquid. <i>Thermophysics and Aeromechanics</i> , 2008, 15, 393-400.	0.5	1
16	Disappearance of the regime of two-dimensional solitons in a freely flowing liquid film. <i>Doklady Physics</i> , 2007, 52, 630-634.	0.7	0
17	On the theory of three-dimensional multihump solitons in active-dissipative media. <i>Fluid Dynamics</i> , 2009, 44, 328-332.	0.9	0
18	Experimental investigation of lambda-solitons in a draining viscous fluid film. <i>Doklady Physics</i> , 2009, 54, 378-380.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Numerical study of the motion of a microparticle with an ion-selective surface in an electric field. Doklady Physics, 2015, 60, 559-563.	0.7	0
20	Bifurcation resulting in self-focusing of the electric field near the poles of a conducting microgranule. Doklady Physics, 2016, 61, 266-269.	0.7	0
21	Electroosmotic flow of ultrathin liquid films and their stability. Doklady Physics, 2016, 61, 29-31.	0.7	0