

Evgeny A Kochurin

List of Publications by Year in descending order

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26
papers

179
citations

932766

10
h-index

1125271

13
g-index

26
all docs

26
docs citations

26
times ranked

27
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of curvature singularities on the interface between dielectric liquids in a strong vertical electric field. <i>Physical Review E</i> , 2013, 88, 023014.	0.8	20
2	Formation of Regions with High Energy and Pressure Gradients at the Free Surface of Liquid Dielectric in a Tangential Electric Field. <i>Journal of Applied Mechanics and Technical Physics</i> , 2018, 59, 79-85.	0.1	19
3	Interaction of strongly nonlinear waves on the free surface of a dielectric liquid in a horizontal electric field. <i>JETP Letters</i> , 2014, 99, 627-631.	0.4	15
4	Gravity-capillary waves on the free surface of a liquid dielectric in a tangential electric field. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 1723-1730.	1.8	15
5	Nonlinear dynamics of the interface between fluids at the suppression of Kelvinâ€™Helmholtz instability by a tangential electric field. <i>JETP Letters</i> , 2016, 104, 275-280.	0.4	14
6	Reduced equations of motion of the interface of dielectric liquids in vertical electric and gravitational fields. <i>Physics of Fluids</i> , 2012, 24, .	1.6	12
7	Three-dimensional nonlinear waves at the interface between dielectric fluid in an external horizontal electric field. <i>Journal of Applied Mechanics and Technical Physics</i> , 2013, 54, 212-217.	0.1	12
8	Formation of Weak Singularities on the Surface of a Dielectric Fluid in a Tangential Electric Field. <i>Technical Physics Letters</i> , 2019, 45, 65-68.	0.2	12
9	Wave Turbulence of a Liquid Surface in an External Tangential Electric Field. <i>JETP Letters</i> , 2019, 109, 303-308.	0.4	11
10	Numerical Simulation of Collinear Capillary-Wave Turbulence. <i>JETP Letters</i> , 2020, 112, 757-763.	0.4	10
11	Numerical simulation of the wave turbulence on the surface of a ferrofluid in a horizontal magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 503, 166607.	1.0	8
12	Simulation of the macromechanical behavior of oxide nanopowders during compaction processes. <i>Granular Matter</i> , 2015, 17, 345-358.	1.1	6
13	Characteristic properties of laser ablation of translucent targets. <i>Laser Physics</i> , 2018, 28, 076002.	0.6	6
14	Jet formation at the interaction of localized waves on the free surface of dielectric liquid in a tangential electric field. <i>Journal of Physics: Conference Series</i> , 2018, 946, 012021.	0.3	5
15	Three-dimensional direct numerical simulation of free-surface magnetohydrodynamic wave turbulence. <i>Physical Review E</i> , 2022, 105, .	0.8	5
16	Wave breaking on the surface of a dielectric liquid in a horizontal electric field. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1222-1228.	1.8	4
17	Nonlinear waves on the free surface of a dielectric liquid in an oblique electric field. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 121, 553-558.	0.2	1
18	On the mechanism of deep craters formation under the action of high power ytterbium-fiber laser. <i>Journal of Physics: Conference Series</i> , 2016, 774, 012121.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Formation of Singularities at the Interface of Liquid Dielectrics in a Horizontal Electric Field in the Presence of Tangential Velocity Discontinuity. <i>Technical Physics Letters</i> , 2018, 44, 195-198.	0.2	1
20	Chaotic Dynamics of the Interface between Dielectric Liquids at the Regime of Stabilized Kelvin-Helmholtz Instability by a Tangential Electric Field. <i>Fluids</i> , 2021, 6, 125.	0.8	1
21	Integrable model of the interaction of counter-propagating weakly nonlinear waves on the fluid boundary in a horizontal electric field. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2020, 202, 352-362.	0.3	1
22	Nonlinear dynamics of interface between dielectric liquids in vertical electric and gravity fields. <i>Technical Physics Letters</i> , 2011, 37, 974-976.	0.2	0
23	Characteristics of yttrium oxide ablation by high-power fiber ytterbium laser. , 2016, , .		0
24	Formation of high pressure gradients at the free surface of a liquid dielectric in a tangential electric field. , 2017, , .		0
25	Growth of nonlinear structures on the interface between dielectric liquids in a strong vertical electric field. <i>Journal of Physics: Conference Series</i> , 2019, 1268, 012026.	0.3	0
26	Numerical Simulation of the Wave Breaking Process on the Surface of a Dielectric Liquid in a Tangential Electric Field. , 2019, , .		0