

Evgeny A Kochurin

List of Publications by Year in descending order

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26
papers

179
citations

932766

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1125271

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26
all docs

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docs citations

26
times ranked

27
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional direct numerical simulation of free-surface magnetohydrodynamic wave turbulence. <i>Physical Review E</i> , 2022, 105, .	0.8	5
2	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
3	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
4	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
5	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
6	Numerical Simulation of Collinear Capillary-Wave Turbulence. <i>JETP Letters</i> , 2020, 112, 757-763.	0.4	10
7	Wave Turbulence of a Liquid Surface in an External Tangential Electric Field. <i>JETP Letters</i> , 2019, 109, 303-308.	0.4	11
8	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
9	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
10	Numerical Simulation of the Wave Breaking Process on the Surface of a Dielectric Liquid in a Tangential Electric Field. , 2019, , .		0
11	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
12	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
13	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
14	Characteristic properties of laser ablation of translucent targets. <i>Laser Physics</i> , 2018, 28, 076002.	0.6	6
15	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
16	Formation of high pressure gradients at the free surface of a liquid dielectric in a tangential electric field. , 2017, , .		0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Characteristics of yttrium oxide ablation by high-power fiber ytterbium laser. , 2016, , .		0
20	Simulation of the macromechanical behavior of oxide nanopowders during compaction processes. Granular Matter, 2015, 17, 345-358.	1.1	6
21	Nonlinear waves on the free surface of a dielectric liquid in an oblique electric field. Journal of Experimental and Theoretical Physics, 2015, 121, 553-558.	0.2	1
22	Interaction of strongly nonlinear waves on the free surface of a dielectric liquid in a horizontal electric field. JETP Letters, 2014, 99, 627-631.	0.4	15
23	Three-dimensional nonlinear waves at the interface between dielectric fluid in an external horizontal electric field. Journal of Applied Mechanics and Technical Physics, 2013, 54, 212-217.	0.1	12
24	Formation of curvature singularities on the interface between dielectric liquids in a strong vertical electric field. Physical Review E, 2013, 88, 023014.	0.8	20
25	Reduced equations of motion of the interface of dielectric liquids in vertical electric and gravitational fields. Physics of Fluids, 2012, 24, .	1.6	12
26	Nonlinear dynamics of interface between dielectric liquids in vertical electric and gravity fields. Technical Physics Letters, 2011, 37, 974-976.	0.2	0