

Evgeny A Lisin

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

452
citations

687363

13
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752698

20
g-index

39
all docs

39
docs citations

39
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	On the distributions of photoelectrons over the illuminated part of the moon. JETP Letters, 2014, 99, 115-120.	1.4	50
2	Determination of Pair Interaction Forces between Particles in Nonideal Dissipative Systems. Physical Review Letters, 2009, 103, 035003.	7.8	38
3	Impacts of fast meteoroids and the separation of dust particles from the surface of the Moon. JETP Letters, 2016, 103, 563-567.	1.4	35
4	Analysis of pair interparticle interaction in nonideal dissipative systems. Journal of Experimental and Theoretical Physics, 2010, 110, 662-674.	0.9	29
5	Solid-hexatic-liquid transition in a two-dimensional system of charged dust particles. Europhysics Letters, 2015, 111, 45002.	2.0	28
6	Effect of the solar wind on the formation of a photoinduced dusty plasma layer near the surface of the Moon. JETP Letters, 2014, 98, 664-669.	1.4	26
7	Experimental study of the nonreciprocal effective interactions between microparticles in an anisotropic plasma. Scientific Reports, 2020, 10, 13653.	3.3	25
8	Technique for analysis of interparticle interaction in nonideal dissipative systems with isotropic pair potentials. Physics of Plasmas, 2009, 16, 113702.	1.9	18
9	Energy exchange in systems of particles with nonreciprocal interaction. Journal of Experimental and Theoretical Physics, 2015, 121, 717-726.	0.9	16
10	Active Brownian particle in homogeneous media of different viscosities: numerical simulations. Physical Chemistry Chemical Physics, 2021, 23, 16248-16257.	2.8	16
11	Dust-particle charge in weakly ionized gas-discharge plasma. Europhysics Letters, 2012, 97, 55003.	2.0	15
12	Influence of external perturbations on dynamical characteristics of dust clusters (simulation). Journal of Experimental and Theoretical Physics, 2012, 115, 947-952.	0.9	15
13	Influence of external perturbations on the interaction between grains in plasma. New Journal of Physics, 2013, 15, 053004.	2.9	15
14	Kinetic energy in a system of particles with a nonreciprocal interaction. Europhysics Letters, 2015, 111, 50003.	2.0	12
15	Motion of a self-propelled particle with rotational inertia. Physical Chemistry Chemical Physics, 2022, 24, 14150-14158.	2.8	12
16	Lunar dusty plasma: A result of interaction of the solar wind flux and ultraviolet radiation with the lunar surface. Journal of Physics: Conference Series, 2015, 653, 012139.	0.4	10
17	Self-confined particle pairs in complex plasmas. Physical Review E, 2017, 95, 013202.	2.1	10
18	Verifying the reciprocity of interparticle interaction forces in strongly coupled systems. Journal of Experimental and Theoretical Physics, 2017, 124, 678-682.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Solution of the inverse Langevin problem for open dissipative systems with anisotropic interparticle interaction. <i>Physics of Plasmas</i> , 2015, 22, 033704.	1.9	8
20	Formation Conditions and Stability Criteria for Small-Size Cluster Systems. <i>Plasma Physics Reports</i> , 2018, 44, 270-277.	0.9	8
21	Correlational approach to study interactions between dust Brownian particles in a plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	7
22	Spectral Characteristics of Stochastic Motion in the System of Two Interacting Particles. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 130, 463-470.	0.9	7
23	Meteoroid impacts and dust particles in near-surface lunar exosphere. <i>Journal of Physics: Conference Series</i> , 2016, 774, 012175.	0.4	6
24	Processes of diffusion in a limited ensemble of charged particles in a static magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 976-983.	0.9	6
25	Coupling of dust particles in a weakly collisional plasma with an ion flow. <i>Journal of Physics: Conference Series</i> , 2019, 1147, 012112.	0.4	6
26	Alignments of a Microparticle Pair in a Glow Discharge. <i>Molecules</i> , 2021, 26, 7535.	3.8	6
27	Contactless methods for studying interactions between dust particles in a gas-discharge plasma. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124022.	2.1	5
28	Spectral Characteristics of Charged Particles in Limited Chain Structures. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 131, 361-373.	0.9	4
29	Amplitude instability in the mass-transfer theory for Yukawa systems. <i>Physics of Plasmas</i> , 2017, 24, 113705.	1.9	3
30	Spectral Characteristics of Small-Sized Quasi-Two-Dimensional Clusters. <i>Plasma Physics Reports</i> , 2020, 46, 1210-1219.	0.9	3
31	Thermal Motion of Charged Particles in Confined Ensemble under Constant Electromagnetic Field. <i>Plasma and Fusion Research</i> , 2018, 13, 1406125-1406125.	0.7	2
32	Coulomb systems of strongly interacting dust particles: Laboratory and microgravity conditions. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2014, 50, 442-456.	0.6	1
33	Theory of Heating of a Nonreciprocal System of Particles. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 487-491.	1.3	1
34	Analysis of the interaction between particles in non-ideal quasi-equilibrium extended systems. <i>Journal of Plasma Physics</i> , 2010, 76, 593-602.	2.1	0
35	Experimental study of dust interactions in plasma of RF- discharge. , 2012, , .		0
36	On the possibility of determining the forces of anisotropic interaction between plasma microparticles. <i>Bulletin of the Lebedev Physics Institute</i> , 2015, 42, 313-318.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Formation of ordered structures in systems of charged thin cylindrical grains. Plasma Physics Reports, 2016, 42, 135-146.	0.9	0
38	The idea of an experiment to explore dust clouds in outer space. Journal of Physics: Conference Series, 2019, 1147, 012111.	0.4	0
39	Energy exchange in two-fraction systems of charged dust particles. Physics of Plasmas, 2021, 28, 083706.	1.9	0