

Yurii Slyusarenko

List of Publications by Year in descending order

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50
papers

242
citations

1039406

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1125271

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52
all docs

52
docs citations

52
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Green-function method in the theory of ultraslow electromagnetic waves in an ideal gas with Bose-Einstein condensates. <i>Physical Review A</i> , 2008, 78, .	1.0	17
2	Bose-Einstein condensation of photons in an ideal atomic gas. <i>Physical Review A</i> , 2013, 88, .	1.0	17
3	Second quantization method in the presence of bound states of particles. <i>Journal of Mathematical Physics</i> , 2005, 46, 022301.	0.5	16
4	Theory of a weakly nonideal Bose gas in a magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , 1998, 86, 501-506.	0.2	14
5	On theory of long-wave nonequilibrium fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 210, 165-204.	1.2	11
6	Chemical potentials and thermodynamic characteristics of ideal Bose- and Fermi-gases in the region of quantum degeneracy. <i>Low Temperature Physics</i> , 2017, 43, 144-151.	0.2	11
7	Bose-Einstein condensation of heteronuclear bound states formed in a Fermi gas of two atomic species: a microscopic approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 145301.	0.6	11
8	Kinetics and hydrodynamics of long-wave fluctuations under external random force. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 326, 412-429.	1.2	10
9	On the influence of the internal structure of the atom on Bose-Einstein condensation in an ideal gas of hydrogenlike atoms. <i>Low Temperature Physics</i> , 2007, 33, 30-36.	0.2	10
10	On phase transitions in a Fermi liquid. II. Transition associated with translational symmetry breaking. <i>Low Temperature Physics</i> , 1999, 25, 303-313.	0.2	9
11	Microwaves Interaction Peculiarities with the Ideal Gas of Alkali Atoms in BEC State. <i>Journal of Low Temperature Physics</i> , 2008, 150, 618-623.	0.6	8
12	Possibility of controlling the light speed in a Bose condensate by an external static magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1392-1395.	0.9	8
13	Role of temperature effects in the phenomenon of ultraslow electromagnetic pulses in Bose-Einstein condensates of alkali-metal atoms. <i>Physical Review A</i> , 2009, 80, .	1.0	8
14	The Bogolyubov-Born-Green-Kirkwood-Yvon hierarchy and Fokker-Planck equation for many-body dissipative randomly driven systems. <i>Journal of Mathematical Physics</i> , 2015, 56, .	0.5	8
15	Coexistence of photonic and atomic Bose-Einstein condensates in ideal atomic gases. <i>Condensed Matter Physics</i> , 2015, 18, 43002.	0.3	8
16	Collisionless mechanism of zero-point sound attenuation in a normal Fermi liquid. <i>Low Temperature Physics</i> , 1998, 24, 219-224.	0.2	6
17	Propagation of relativistic charged particles in ultracold atomic gases with Bose-Einstein condensates. <i>Physical Review A</i> , 2011, 83, .	1.0	6
18	Re-examining the quadratic approximation in theory of a weakly interacting Bose gas with condensate: the role of nonlocal interaction potentials. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 205302.	0.6	6

#	ARTICLE	IF	CITATIONS
19	SU(3) symmetry in theory of a weakly interacting gas of spin-1 atoms with Bose-Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126798.	0.9	6
20	Magnetic phases and phase diagram of spin-1 condensate with quadrupole degrees of freedom. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 165001.	0.7	6
21	Theory of a spatially periodic bose condensate in the weakly nonideal Bose gas model. Theoretical and Mathematical Physics(Russian Federation), 2000, 125, 1431-1453.	0.3	5
22	On microscopic theory of spin- Bose-Einstein condensate in a magnetic field. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 202-210.	1.2	5
23	On phase transitions in a Fermi liquid. I. The transition associated with rotational symmetry breaking in momentum space. Low Temperature Physics, 1999, 25, 153-160.	0.2	4
24	Microscopic theory of relaxation processes in systems of particles interacting with the hydrodynamic medium. Journal of Mathematical Physics, 2009, 50, 083305.	0.5	4
25	Feasibility of using Bose-Einstein condensates for filtering optical pulses. Low Temperature Physics, 2010, 36, 671-676.	0.2	4
26	Theory of superfluid states with singlet and triplet types of pairing in nuclear matter. Low Temperature Physics, 2013, 39, 874-887.	0.2	3
27	Analyzing the equilibrium states of a quasi-neutral spatially inhomogeneous system of charges above a liquid dielectric film based on the first principles of quantum statistics. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 315202.	0.7	3
28	Thermodynamics and kinetics of spiral magnetic structures and the method of quasiaverages. Theoretical and Mathematical Physics(Russian Federation), 1988, 74, 186-196.	0.3	2
29	Long-wave fluctuation kinetics and quasi-linear relaxation for zero-point sound in a normal Fermi liquid. Low Temperature Physics, 1998, 24, 393-400.	0.2	2
30	Growth of metal newborn formations on cathode surface under influence of plasma flow. Surface and Coatings Technology, 2003, 174-175, 1271-1275.	2.2	2
31	The Thomas-Fermi model in the theory of systems of charged particles above the surface of liquid dielectrics. Journal of Mathematical Physics, 2012, 53, 103302.	0.5	2
32	Kinetic theory of weakly ionized dilute gas of hydrogen-like atoms of the first principles of quantum statistics and dispersion laws of eigenwaves. Journal of Mathematical Physics, 2017, 58, .	0.5	2
33	Thermodynamics of a weakly interacting Bose gas above the transition temperature. Physica Scripta, 2021, 96, 045401.	1.2	2
34	Mechanism of collisionless sound damping in dilute Bose gas with condensate. Condensed Matter Physics, 2013, 16, 23004.	0.3	2
35	Kinetics of systems with crystal structure. Theoretical and Mathematical Physics(Russian Federation), 1982, 53, 1243-1252.	0.3	1
36	A model description of ionization processes during secondary ion emission. Surface Science, 1993, 296, 97-122.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Aspects of Bose-Einstein condensation in a charged boson system over the dielectric surface. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 417, 127695.	0.9	1
38	The theory of spatially periodic equilibrium states in the quasi-neutral system of charges above the surface of liquid dielectric. Journal of Physical Studies, 2015, 19, .	0.2	1
39	SergeĀ† Vladimirirovich PeletminskiĀ† (on his 70th birthday). Low Temperature Physics, 2001, 27, 161-161.	0.2	0
40	The Evolution of Cone-Like Formations on The Cathode of Abnormal Glow Discharge of Ar. AIP Conference Proceedings, 2003, , .	0.3	0
41	Modulation of the neutron field in the multiplying condensed matter and coolant. , 2009, , .		0
42	MICROSCOPIC APPROACH IN THE DESCRIPTION OF SLOWING OF ELECTROMAGNETIC PULSES IN BEC OF ALKALIS. International Journal of Modern Physics B, 2009, 23, 4109-4120.	1.0	0
43	Theory of macroscopic fluctuations in systems of particles, interacting with hydrodynamic and gaslike media. Journal of Mathematical Physics, 2010, 51, 113301.	0.5	0
44	Kinetics of low-temperature gas of hydrogen-like atoms in an external electromagnetic field. Low Temperature Physics, 2018, 44, 1049-1061.	0.2	0
45	Reduced description method in the kinetic theory of Brownian motion with active fluctuations. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 445001.	0.7	0
46	Multipole degrees of freedom in physics of high-spin quantum atomic gases. Low Temperature Physics, 2021, 47, 700-712.	0.2	0
47	A reduced description method in the dynamic theory of particles interacting with medium. Journal of Physical Studies, 2007, 11, 74-88.	0.2	0
48	Problems on Harmonization of Ukraine and EU Normative Bases in the Area of Concrete Structures. , 2008, , 135-135.		0
49	MICROSCOPIC APPROACH IN THE DESCRIPTION OF SLOWING OF ELECTROMAGNETIC PULSES IN BEC OF ALKALIS. , 2009, , .		0
50	The photonic BoseĀ†Einstein condensate and stopped light in ultracold atomic gases. Reports National Academy of Science of Ukraine, 2014, , 74-79.	0.0	0