Alexander Peletminskii

List of Publications by Year
in descending order

20	96	1684188 5	1474206 9
papers	citations	h-index	g-index

21	21	21	20
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boseâ€“Einstein condensation of heteronuclear bound states formed in a Fermi gas of two atomic species: a microscopic approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 145301.	1.5	11
2	Role of single-particle and pair condensates in Bose systems with arbitrary intensity of interaction. Condensed Matter Physics, 2013, 16, 13603.	0.7	11
3	On phase transitions in a Fermi liquid. II. Transition associated with translational symmetry breaking. Low Temperature Physics, 1999, 25, 303-313.	0.6	9
4	Classical and relativistic dynamics of supersolids: variational principle. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 045501.	2.1	9
5	Re-examining the quadratic approximation in theory of a weakly interacting Bose gas with condensate: the role of nonlocal interaction potentials. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 205302.	1.5	6
6	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.	2.1	6
7	Magnetic phases and phase diagram of spin-1 condensate with quadrupole degrees of freedom. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 165001.	2.1	6
8	Theory of a spatially periodic bose condensate in the weakly nonideal Bose gas model. Theoretical and Mathematical Physics(Russian Federation), 2000, 125, 1431-1453.	0.9	5
9	On microscopic theory of spin- Boseâ€“Einstein condensate in a magnetic field. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 202-210.	2.6	5
10	Ground state and excitations of a Bose-Einstein condensate of atoms and their diatomic bound states. Low Temperature Physics, 2014, 40, 500-507.	0.6	5
11	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.	0.6	4
12	Lagrangian and Hamiltonian formalisms for relativistic dynamics of a charged particle with dipole moment. European Physical Journal C, 2005, 42, 505-517.	3.9	4
13	Phenomenological Lagrangian for nondissipative hydrodynamics of rotating superfluids. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 373, 160-164.	2.1	4
14	Hydrodynamic Lagrangian of relativistic superfluids with crystalline structure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3369-3373.	2.1	3
15	Quasiparticle theory of superfluid Bose systems with single-particle and pair condensates. Low Temperature Physics, 2010, 36, 693-699.	0.6	2
16	Thermodynamics of a weakly interacting Bose gas above the transition temperature. Physica Scripta, 2021, 96, 045401.	2.5	2
17	Principle of stationary action in the theory of superfluid systems with spontaneously broken translational symmetry. Theoretical and Mathematical Physics(Russian Federation), 2009, 160, 1146-1160.	0.9	1
18	Thermodynamic characteristics of ideal quantum gases in harmonic potentials within exact and semiclassical approaches. Physica A: Statistical Mechanics and Its Applications, 2022, 589, 126605.	2.6	1

#	Article	IF	Citations
19	â€œCosmologicalâ€•expansion of the electron gas. Physica A: Statistical Mechanics and Its Applications, 2000, 286, 558-572.	2.6	0
20	Multipole degrees of freedom in physics of high-spin quantum atomic gases. Low Temperature Physics, 2021, 47, 700-712.	0.6	0