

Volodymyr Pastukhov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3290219/publications.pdf>

Version: 2024-02-01

27
papers

247
citations

1040056

9
h-index

996975

15
g-index

27
all docs

27
docs citations

27
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Mean-field construction for spectrum of one-dimensional Bose polaron. <i>Annals of Physics</i> , 2019, 409, 167933.	2.8	23
2	Impurity states in the one-dimensional Bose gas. <i>Physical Review A</i> , 2017, 96, .	2.5	19
3	Beyond mean-field properties of binary dipolar Bose mixtures at low temperatures. <i>Physical Review A</i> , 2017, 95, .	2.5	18
4	Polaron in the dilute critical Bose condensate. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 195003.	2.1	18
5	Mean-field study of repulsive 2D and 3D Bose polarons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 205302.	1.5	16
6	Polaron in dilute 2D Bose gas at low temperatures. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 155203.	1.5	14
7	Anomalous frequency shifts in a one-dimensional trapped Bose gas. <i>Physical Review A</i> , 2019, 99, .	2.5	14
8	Infrared Behavior of Dipolar Bose Systems at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2017, 186, 148-162.	1.4	13
9	2D Dilute Bose Mixture at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2018, 190, 256-266.	1.4	12
10	Two- and three-body effective potentials between impurities in ideal BEC. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 085001.	2.1	10
11	High-density limit of quasi-two-dimensional dipolar Bose gas. <i>Annals of Physics</i> , 2016, 372, 149-158.	2.8	9
12	Ground-state properties of dilute one-dimensional Bose gas with three-body repulsion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 894-897.	2.1	9
13	Damping of Bogoliubov excitations at finite temperatures. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 405002.	2.1	8
14	Impurity self-energy in the strongly-correlated Bose systems. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850053.	2.0	8
15	Behavior of the impurity atom in a weakly-interacting Bose gas. <i>Condensed Matter Physics</i> , 2017, 20, 13604.	0.7	8
16	Mean-field properties of impurity in Bose gas with three-body forces. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2610-2614.	2.1	6
17	Impurity in a three-dimensional unitary Bose gas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126934.	2.1	6
18	Effective Mass of ^4He Atom in Superfluid and Normal Phases. <i>Ukrainian Journal of Physics</i> , 2016, 61, 29-37.	0.2	6

#	ARTICLE	IF	CITATIONS
19	Ground-State Properties of a Dilute Two-Dimensional Bose Gas. Journal of Low Temperature Physics, 2019, 194, 197-208.	1.4	5
20	Ground-state properties of dilute spinless fermions in fractional dimensions. Physical Review A, 2020, 102, .	2.5	5
21	1/ N -expansion for the critical temperature of the Bose gas. Europhysics Letters, 2017, 118, 56003.	2.0	4
22	Large-N properties of a non-ideal Bose gas. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 025002.	2.1	4
23	Large-N Expansion for Condensation and Stability of Bose- Bose Mixtures at Finite Temperatures. Journal of Low Temperature Physics, 2021, 202, 219-230.	1.4	4
24	Static Impurities in a Weakly Interacting Bose Gas. Atoms, 2022, 10, 19.	1.6	4
25	Theory of structure and thermodynamic function of liquid ^4He (Review Article). Low Temperature Physics, 2013, 39, 741-751.	0.6	2
26	Condensation and superfluidity of $\text{SU}(N)$ Bose gas. Physica B: Condensed Matter, 2020, 583, 412017.	2.7	2
27	Bose Gas in Classical Environment at Low Temperatures. Ukrainian Journal of Physics, 2020, 65, 1002.	0.2	0