Andrij A Rovenchak

List of Publications by Year
in descending order

55 papers	230 citations	1163117 8 h-index	1199594 12 g-index
58 all docs	58 docs citations	58 times ranked	87 citing authors

#	Article	IF	Citations
1	Ideal Bose gas in steep one-dimensional traps. Low Temperature Physics, 2022, 48, 20-25.	0.6	1
2	On the Verge of Life: Distribution of Nucleotide Sequences in Viral RNAs. Biosemiotics, 2021, 14, 253-269.	1.4	0
3	Ð'Ð°Ð¼Ð°Ð½ÑŠÐ¸Ðµ Ñ€Ð°Ð·Ð·Ð¸ Ð·Ð°Ð¿Ð¸Ñ€Ð°Ð½Ð½Ñ‹Ðµ Ð£Ð¼Ð°ÑˆÑƒ ÐÑŒÑ€Ð°Ð½Ð°Ð¾Ñ€Ð¾ Ð"Ð²Ð°ÑƒÐ° ÑÑ€Ð°	0.1	0
4	Bose systems in linear traps: Exact calculations versus effective space dimensionality. Low Temperature Physics, 2021, 47, 577-583.	0.6	1
5	Parametrization of rank-frequency distributions of nucleotide sequences in virus RNAs. Visnyk of the Lviv University Series Physics, 2021, 58, 72.	0.1	0
6	Deforming Gibbs Factor Using Tsallis q-Exponential with a Complex Parameter: An Ideal Bose Gas Case. Symmetry, 2020, 12, 732.	2.2	1
7	Ideal Bose Gas in Some Deformed Types of Thermodynamics. Correspondence between Deformation Parameters. Ukrainian Journal of Physics, 2020, 65, 500.	0.2	5
8	Corrections to thermodynamics of the system of magnetically charged anyons. Low Temperature Physics, 2019, 45, 880-884.	0.6	0
9	Fugacity versus chemical potential in nonadditive generalizations of the ideal Fermi-gas. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122098.	2.6	3
10	What the gravitation of a flat Earth would look like and why thus the Earth is not actually flat. European Journal of Physics, 2019, 40, 035008.	0.6	7
11	PROPERTIES OF AUTOSEMANTIC WORD NETWORKS IN UKRAINIAN TEXTS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950016.	1.4	5
12	Multipole expansions for time-dependent charge and current distributions in quasistatic approximation. Modern Physics Letters A, 2019, 34, 1950018.	1.2	1
13	Telling apartFelidaeandUrsidaefrom the distribution of nucleotides in mitochondrial DNA. Modern Physics Letters B, 2018, 32, 1850057.	1.9	6
14	Part-of-Speech Sequences in Literary Text: Evidence From Ukrainian. Journal of Quantitative Linguistics, 2018, 25, 1-21.	1.2	13
15	The Diary of Boima Kiakpomgbo from Mando Town (Liberia): A Quantitative Study of a Vai Text. Journal of Quantitative Linguistics, 2018, 25, 271-287.	1.2	1
16	Modeling free anyons at the bosonic and fermionic ends. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 918-927.	2.6	5
17	Ideal Bose-gas in nonadditive statistics. Low Temperature Physics, 2018, 44, 1025-1031.	0.6	13
18	Radiation of the electromagnetic field beyond the dipole approximation. American Journal of Physics, 2018, 86, 727-732.	0.7	4

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19	Department for Experimental Physics, University of Lviv, in 1872-1939: Contributions to biobibliography. Journal of Physical Studies, 2018, 22, .	0.5	3
20	From Brownian motion to molecular simulations. Mathematical Modeling and Computing, 2018, 5, 99-107.	1.0	0
21	Twenty years of the <i>Journal of Physical Studies</i>. an attempt at a journalometric analysis. Journal of Physical Studies, 2017, 21, .	0.5	4
22	Effective Hamiltonian and excitation spectrum of harmonically trapped bosons. Low Temperature Physics, 2016, 42, 36-41.	0.6	5
23	Two-Parameter Modifications of Anyonic Statistics. Ukrainian Journal of Physics, 2016, 61, 168-177.	0.2	2
24	Physics at the University of Lviv since the 17th century until the second world war: Addenda to the bibliography. Studia Historiae Scientiarum, 2016, 15, 47-73.	0.6	2
25	A Note on the Calculation of the Long-Wavelength Limit of the Bosonic Excitation Spectrum. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 73-78.	1.5	1
26	Quantitative Studies in the Corpus of Nko Periodicals. , 2015, , 125-138.		2
27	Models of Frequency Spectrum in Texts Based on Quantum Distributions in Fractional Space Dimensions. , 2015, , .		1
28	Enumeration of plane partitions with a restricted number of parts. Theoretical and Mathematical Physics(Russian Federation), 2014, 181, 1428-1434.	0.9	1
29	Complex-valued fractional statistics for D-dimensional harmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 100-108.	2.1	13
30	Two-parametric fractional statistics models for anyons. European Physical Journal B, 2014, 87, 1.	1.5	19
31	Trends in Language Evolution found from the Frequency Structure of Texts Mapped Against the Bose-Distribution. Journal of Quantitative Linguistics, 2014, 21, 281-294.	1.2	4
32	Weakly nonadditive Polychronakos statistics. Physical Review A, 2014, 89, .	2.5	14
33	Physics at the University of Lviv: The first two centuries in the bibliographic aspect. Journal of Physical Studies, 2014, 18, .	0.5	2
34	Phase transition in a system of 1D harmonic oscillators obeying Polychronakos statistics with a complex parameter. Low Temperature Physics, 2013, 39, 888-892.	0.6	4
35	Masadennin («ĐœĐ°Đ»ĐµĐ½ŃŒĐºĐøĐ¹ Đ¿Ń€Đ¸Đ½Ń†Â» Đ½Đ° Đ±Đ°ĐºĐ°Đ¼Đ°Đ½Đ°): ŃĐºŃ¿ĐµŃ€Đ¸Đ¼ĐµĐ½Ņ,Đ°Đ»ŒĐ½Ń		
36	Bibliography of the Department for Theoretical Physics, University of Lviv, in 1914-1939. Journal of Physical Studies, 2013, 17, .	0.5	2

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37	Polychronakos fractional statistics with a complex-valued parameter. Journal of Physics: Conference Series, 2012, 400, 012064.	0.4	1
38	Asymptotic formulas for integer partitions within the approach of microcanonical ensemble. Condensed Matter Physics, 2012, 15, 33001.	0.7	8
39	Lviv period for Smoluchowski: Science, teaching, and beyond. Condensed Matter Physics, 2012, 15, 40002.	0.7	2
40	Application of a quantum ensemble model to linguistic analysis. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1326-1331.	2.6	13
41	Defining thermodynamic parameters for texts from word rank-frequency distributions. Journal of Physical Studies, 2011, 15, .	0.5	9
42	Harmonically Trapped Bosons on the SierpiÅ„ski Carpet. Acta Physica Polonica A, 2010, 118, 531-533.	0.5	3
43	Partition Function Formalism in the Problem of Multidimensional Integer Partitions. Computational Methods in Science and Technology, 2010, 16, 187-190.	0.3	1
44	The relation between fractional statistics and finite bosonic systems in the one-dimensional case. Low Temperature Physics, 2009, 35, 400-403.	0.6	10
45	Oskar Fabian, the First Head of the Department for Theoretical Physics at the University of Lviv. Acta Physica Polonica A, 2009, 116, 109-113.	0.5	2
46	Menzerathâ€"Altmann Law for Syntactic Structures in Ukrainian. Glottotheory, 2008, 1, .	0.3	8
47	Weakly-Interacting Bosons in a Trap within Approximate Second Quantization Approach. Journal of Low Temperature Physics, 2007, 148, 411-416.	1.4	6
48	Statistical parameters of Ivan Frankoâ€™s novel Perekhresni steÅ¾ky (The Cross-Paths). , 2007, , 39-48.		3
49	Extraction of interatomic potentials from structure of liquids. Open Physics, 2005, 3, .	1.7	0
50	Energy Spectrum of an Interacting Bose-System. Journal of Low Temperature Physics, 2005, 138, 49-54.	1.4	1
51	Rank-Frequency Analysis for Functional Style Corpora of Ukrainian. Journal of Quantitative Linguistics, 2004, 11, 161-171.	1.2	4
52	Effective mass of atom and the excitation spectrum in liquid helium-4 at T=0â€‰K. Low Temperature Physics, 2003, 29, 105-107.	0.6	3
53	THERMODYNAMICS OF THE BOSE-SYSTEM WITH A SMALL NUMBER OF PARTICLES. Condensed Matter Physics, 2001, 4, 431.	0.7	3
54	Asymptotic Estimation for Eigenvalues in the Exponential Potential and for Zeros of $K_{i\nu}(z)$ with Respect to Order. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	3

#	ARTICLE	IF	CITATIONS
55	Statistical mechanics approach in the counting of integer partitions. Banach Center Publications, 0, 109, 155-166.	0.1	4