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	Two-parametric fractional statistics models for anyons. European Physical Journal B, 2014, 87, 1.	1.5	19
2	Weakly nonadditive Polychronakos statistics. Physical Review A, 2014, 89, .	2.5	14
3	Application of a quantum ensemble model to linguistic analysis. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1326-1331.	2.6	13
4	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
5	Part-of-Speech Sequences in Literary Text: Evidence From Ukrainian. Journal of Quantitative Linguistics, 2018, 25, 1-21.	1.2	13
6	Ideal Bose-gas in nonadditive statistics. Low Temperature Physics, 2018, 44, 1025-1031.	0.6	13
7	The relation between fractional statistics and finite bosonic systems in the one-dimensional case. Low Temperature Physics, 2009, 35, 400-403.	0.6	10
8	Defining thermodynamic parameters for texts from word rank-frequency distributions. Journal of Physical Studies, 2011, 15, .	0.5	9
9	Menzerath–Altmann Law for Syntactic Structures in Ukrainian. Glottotheory, 2008, 1, .	0.3	8
10	Asymptotic formulas for integer partitions within the approach of microcanonical ensemble. Condensed Matter Physics, 2012, 15, 33001.	0.7	8
11	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
12	Weakly-Interacting Bosons in a Trap within Approximate Second Quantization Approach. Journal of Low Temperature Physics, 2007, 148, 411-416.	1.4	6
13	Telling apart Felidae and Ursidae from the distribution of nucleotides in mitochondrial DNA. Modern Physics Letters B, 2018, 32, 1850057.	1.9	6
14	Effective Hamiltonian and excitation spectrum of harmonically trapped bosons. Low Temperature Physics, 2016, 42, 36-41.	0.6	5
15	Modeling free anyons at the bosonic and fermionic ends. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 918-927.	2.6	5
16	PROPERTIES OF AUTOSEMANTIC WORD NETWORKS IN UKRAINIAN TEXTS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950016.	1.4	5
17	Ideal Bose Gas in Some Deformed Types of Thermodynamics. Correspondence between Deformation Parameters. Ukrainian Journal of Physics, 2020, 65, 500.	0.2	5
18	Rank-Frequency Analysis for Functional Style Corpora of Ukrainian. Journal of Quantitative Linguistics, 2004, 11, 161-171.	1.2	4

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19	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
20	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
21	Radiation of the electromagnetic field beyond the dipole approximation. American Journal of Physics, 2018, 86, 727-732.	0.7	4
22	Statistical mechanics approach in the counting of integer partitions. Banach Center Publications, 0, 109, 155-166.	0.1	4
23	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
24	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
25	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
26	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
27	Harmonically Trapped Bosons on the SierpiÅ„ski Carpet. Acta Physica Polonica A, 2010, 118, 531-533.	0.5	3
28	Department for Experimental Physics, University of Lviv, in 1872-1939: Contributions to biobibliography. Journal of Physical Studies, 2018, 22, .	0.5	3
29	THERMODYNAMICS OF THE BOSE-SYSTEM WITH A SMALL NUMBER OF PARTICLES. Condensed Matter Physics, 2001, 4, 431.	0.7	3
30	Statistical parameters of Ivan Frankoâ€™s novel Perekhresni steÅ¾ky (The Cross-Paths). , 2007, , 39-48.		3
31	Quantitative Studies in the Corpus of Nko Periodicals. , 2015, , 125-138.		2
32	Two-Parameter Modifications of Anyonic Statistics. Ukrainian Journal of Physics, 2016, 61, 168-177.	0.2	2
33	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
34	Lviv period for Smoluchowski: Science, teaching, and beyond. Condensed Matter Physics, 2012, 15, 40002.	0.7	2
35	Bibliography of the Department for Theoretical Physics, University of Lviv, in 1914-1939. Journal of Physical Studies, 2013, 17, .	0.5	2
36	Physics at the University of Lviv: The first two centuries in the bibliographic aspect. Journal of Physical Studies, 2014, 18, .	0.5	2

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37	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
38	Energy Spectrum of an Interacting Bose-System. Journal of Low Temperature Physics, 2005, 138, 49-54.	1.4	1
39	Polychronakos fractional statistics with a complex-valued parameter. Journal of Physics: Conference Series, 2012, 400, 012064.	0.4	1
40	Enumeration of plane partitions with a restricted number of parts. Theoretical and Mathematical Physics(Russian Federation), 2014, 181, 1428-1434.	0.9	1
41	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
42	Models of Frequency Spectrum in Texts Based on Quantum Distributions in Fractional Space Dimensions. , 2015, , .		1
43	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
44	Multipole expansions for time-dependent charge and current distributions in quasistatic approximation. Modern Physics Letters A, 2019, 34, 1950018.	1.2	1
45	Deforming Gibbs Factor Using Tsallis q-Exponential with a Complex Parameter: An Ideal Bose Gas Case. Symmetry, 2020, 12, 732.	2.2	1
46	Bose systems in linear traps: Exact calculations versus effective space dimensionality. Low Temperature Physics, 2021, 47, 577-583.	0.6	1
47	Masadennin (Â«ÐœÐ°Ð»ÐµÐ½ÑŒÐºÐ¸Ð¹ Ð¿Ñ€Ð¸Ð½Ñ†Â» Ð½Ð° Ð±Ð°Ð¼Ð°Ð½Ð°): ÑÐºÑÐ¿ÐµÑ€Ð¸Ð¼ÐµÐ½Ñ‚Ð°Ð»ÑŒÐ½Ñ‹...		
48	Partition Function Formalism in the Problem of Multidimensional Integer Partitions. Computational Methods in Science and Technology, 2010, 16, 187-190.	0.3	1
49	Ideal Bose gas in steep one-dimensional traps. Low Temperature Physics, 2022, 48, 20-25.	0.6	1
50	Extraction of interatomic potentials from structure of liquids. Open Physics, 2005, 3, .	1.7	0
51	Corrections to thermodynamics of the system of magnetically charged anyons. Low Temperature Physics, 2019, 45, 880-884.	0.6	0
52	On the Verge of Life: Distribution of Nucleotide Sequences in Viral RNAs. Biosemiotics, 2021, 14, 253-269.	1.4	0
53	Ð‘Ð°Ð¼Ð°Ð½Ñ�ÐºÐ¸Ðµ Ñ�ÐºÐ°Ð·ÐºÐ¸ Ð·Ð°Ð¿Ð¸Ñ�Ð°Ð½Ð½Ñ‹Ðµ Ð£Ð¼Ð°Ñ€Ñƒ Ð˜Ñ�Ñ�Ð½Ð°ÐºÐ¾Ñ‚Ð¾ Ð”Ð¸Ð°Ñ€Ñ€Ð° Ñ�Ñ€Ð...	0.1	
54	From Brownian motion to molecular simulations. Mathematical Modeling and Computing, 2018, 5, 99-107.	1.0	0

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55	Parametrization of rank-frequency distributions of nucleotide sequences in virus RNAs. Visnyk of the Lviv University Series Physics, 2021, 58, 72.	0.1	0