Victor M Yakovenko

List of Publications by Year
in descending order

88	4,150	136950 32	114465 63
papers	citations	h-index	g-index

90	90	90	2532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exponential and power-law probability distributions of wealth and income in the United Kingdom and the United States. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 213-221.	2.6	453
2	Colloquium: Statistical mechanics of money, wealth, and income. Reviews of Modern Physics, 2009, 81, 1703-1725.	45.6	397
3	Midgap edge states and pairing symmetry of quasi-one-dimensional organic superconductors. Physical Review B, 2001, 63, .	3.2	262
4	Probability distribution of returns in the Heston model with stochastic volatility*. Quantitative Finance, 2002, 2, 443-453.	1.7	164
5	Probability distribution of returns in the Heston model with stochastic volatility*. Quantitative Finance, 2002, 2, 443-453.	1.7	144
6	Temporal evolution of the â€œthermalâ€•and â€œsuperthermalâ€•income classes in the USA during 1983â€“2001. Europhysics Letters, 2005, 69, 304-310.	2.0	143
7	Fractional charge, spin and statistics of solitons in superfluid3He film. Journal of Physics Condensed Matter, 1989, 1, 5263-5274.	1.8	142
8	Parquet solution for a flat Fermi surface. Physical Review B, 1997, 55, 3200-3215.	3.2	112
9	Exponential distribution of financial returns at mesoscopic time lags: a new stylized fact. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 227-235.	2.6	112
10	Shockley model description of surface states in topological insulators. Physical Review B, 2012, 86, .	3.2	102
11	Neutron Scattering and Superconducting Order Parameter in YBa2Cu3O7. Physical Review Letters, 1995, 75, 4134-4137.	7.8	99
12	Universal patterns of inequality. New Journal of Physics, 2010, 12, 075032.	2.9	99
13	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. National Science Review, 2016, 3, nww081.	9.5	96
14	A study of the personal income distribution in Australia. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 54-59.	2.6	80
15	Quantum Hall effect in quasi-one-dimensional conductors. Physical Review B, 1991, 43, 11353-11366.	3.2	78
16	Time-reversal symmetry-breaking superconductivity in epitaxial bismuth/nickel bilayers. Science Advances, 2017, 3, e1602579.	10.3	71
17	Comparison between the probability distribution of returns in the Heston model and empirical data for stock indexes. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 303-310.	2.6	69
18	Global Inequality in Energy Consumption from 1980 to 2010. Entropy, 2013, 15, 5565-5579.	2.2	67

#	Article	IF	Citations
19	Frequency and temperature dependence of the anomalous ac Hall conductivity in a chiral<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>p</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mo>+</mml:mo><mml:mi with impurities. Physical Review B, 2009, 80, .	3.2	65
20	Chern-Simons Terms andnField in Haldane's Model for the Quantum Hall Effect without Landau Levels. Physical Review Letters, 1990, 65, 251-254.	7.8	60
21	Metals in a high magnetic field: A universality class of marginal Fermi liquids. Physical Review B, 1993, 47, 8851-8857.	3.2	55
22	Theory of thermodynamic magnetic oscillations in quasi-one-dimensional conductors. Physical Review Letters, 1992, 68, 3607-3610.	7.8	53
23	Gauge-invariant electromagnetic response of a chiral<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>p</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mo>+</mml:mo><mml:mi Physical Review B, 2008, 77, .	3.2	52
24	Time-Reversal Symmetry Breaking by a (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock Density-Wave State in Underdoped Cuprate Superconductors. Physical Review Letters, 2008, 100, 217004.	7.8	50
25	Phenomenological interpretations of the ac Hall effect in the normal state ofYBa2Cu3O7. Physical Review B, 1998, 57, 3089-3098.	3.2	47
26	Curie Law, Entropy Excess, and Superconductivity in Heavy Fermion Metals and Other Strongly Interacting Fermi Liquids. Physical Review Letters, 2005, 95, 236402.	7.8	46
27	Hopf Term for a Two-Dimensional Electron Gas. Physical Review Letters, 1997, 79, 3791-3791.	7.8	44
28	Two-class Structure of Income Distribution in the USA: Exponential Bulk and Power-law Tail. New Economic Windows, 2005, , 15-23.	1.0	42
29	Exponential structure of income inequality: evidence from 67 countries. Journal of Economic Interaction and Coordination, 2019, 14, 345-376.	0.7	41
30	Historical evolution of global inequality in carbon emissions and footprints versus redistributive scenarios. Journal of Cleaner Production, 2020, 264, 121420.	9.3	39
31	Anomalous Nernst effect from a chiral<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-density-wave state in underdoped cuprate superconductors. Physical Review B, 2008, 78, .	3.2	38
32	Perfect Andreev reflection due to the Klein paradox in a topological superconducting state. Nature, 2019, 570, 344-348.	27.8	38
33	Edge states and determination of pairing symmetry in superconductingSr2RuO4. Physical Review B, 2002, 65, .	3.2	32
34	Interlayer Aharonov-Bohm Interference in Tilted Magnetic Fields in Quasi-One-Dimensional Organic Conductors. Physical Review Letters, 2006, 96, 037001.	7.8	32
35	Monetary economics from econophysics perspective. European Physical Journal: Special Topics, 2016, 225, 3313-3335.	2.6	32
36	Theory of the High-Frequency Chiral Optical Response of apx+ipySuperconductor. Physical Review Letters, 2007, 98, 087003.	7.8	30

#	Article	IF	Citations
37	Spectroscopy of the soliton lattice formation in quasi-one-dimensional fermionic superfluids with population imbalance. Physical Review A, 2011, 84, .	2.5	30
38	Anomalous Low-Temperature Enhancement of Supercurrent in Topological-Insulator Nanoribbon Josephson Junctions: Evidence for Low-Energy Andreev Bound States. Physical Review Letters, 2019, 122, 047003.	7.8	30
39	Spontaneous Spin Accumulation in Singlet-Triplet Josephson Junctions. Physical Review Letters, 2008, 101, 187003.	7.8	29
40	Spin-polarized tunneling current through a thin film of a topological insulator in a parallel magnetic field. Physical Review B, 2012, 86, .	3.2	28
41	Stochastic volatility of financial markets as the fluctuating rate of trading: An empirical study. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 278-285.	2.6	27
42	Energy spectrum of graphene multilayers in a parallel magnetic field. Physical Review B, 2010, 82, .	3.2	27
43	Tilted loop currents in cuprate superconductors. Physica B: Condensed Matter, 2015, 460, 159-164.	2.7	27
44	Proposed Chiral Texture of the Magnetic Moments of Unit-Cell Loop Currents in the Pseudogap Phase of Cuprate Superconductors. Physical Review Letters, 2013, 111, 047005.	7.8	26
45	Quantized Hall conductance and its sign reversal in field-induced spin-density waves. Physical Review B, 1994, 50, 921-931.	3.2	22
46	Hot spots and transition fromd-wave to another pairing symmetry in the electron-doped cuprate superconductors. Physical Review B, 2004, 69, .	3.2	22
47	Statistical Mechanics of Money, Income, and Wealth: A Short Survey. AIP Conference Proceedings, 2003, , .	0.4	21
48	Loop Currents and Anomalous Hall Effect from Time-Reversal Symmetry-Breaking Superconductivity on the Honeycomb Lattice. Physical Review X, 2019, 9, .	8.9	21
49	Sign Reversals of the Quantum Hall Effect and Helicoidal Magnetic-Field-Induced Spin-Density Waves in Quasi-One-Dimensional Organic Conductors. Physical Review Letters, 1998, 80, 3618-3621.	7.8	20
50	How to detect edge electron states in (TMTSF)2X and Sr2RuO4 experimentally. Synthetic Metals, 2003, 133-134, 27-31.	3.9	20
51	On the possible superfluidity of bipolarons on the junction surface. Solid State Communications, 1985, 55, 187-191.	1.9	18
52	Quantum Critical Behavior Near a Density-Wave Instability in an Isotropic Fermi Liquid. Physical Review Letters, 2005, 94, 046404.	7.8	18
53	Angular magnetoresistance oscillations in bilayers in tilted magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 128-131.	2.7	17
54	Quantum Hall Effect in Quasi-One-Dimensional Conductors: The Roles of Moving FISDW, Finite Temperature, and Edge States. Journal De Physique, I, 1996, 6, 1917-1937.	1.2	17

#	Article	IF	Citations
55	Theory of angular magnetoresistance oscillations inTl2Ba2CuO6. Physical Review B, 1999, 60, 6312-6315.	3.2	16
56	Novel method for photovoltaic energy conversion using surface acoustic waves in piezoelectric semiconductors. Physica B: Condensed Matter, 2012, 407, 1969-1972.	2.7	16
57	Dispersion instability in strongly interacting electron liquids. Physical Review B, 2005, 71, .	3.2	15
58	Edge and bulk electron states in a quasi-one-dimensional metal in a magnetic field: The semi-infinite Wannier-Stark ladder. Physical Review B, 1998, 58, 8002-8008.	3.2	14
59	Spontaneous Formation of aÏ€Soliton in a Superconducting Wire with an Odd Number of Electrons. Physical Review Letters, 2002, 89, 017002.	7.8	14
60	Comment on "Extreme Quantum Limit in a Quasi Two-Dimensional Organic Conductor". Physical Review Letters, 1988, 61, 2276-2276.	7.8	13
61	â€œHot spotsâ€•in quasi-one-dimensional organic conductors. Synthetic Metals, 1995, 70, 1005-1008.	3.9	13
62	Temperature dependence of the normal-state Hall coefficient of a quasi-one-dimensional metal. Synthetic Metals, 1999, 103, 2202-2205.	3.9	13
63	Edge Electron States for Quasi-One-Dimensional Organic Conductors in the Magnetic-Field-Induced Spin-Density-Wave Phases. Physical Review Letters, 2001, 86, 1094-1097.	7.8	13
64	Unconventional superconductivity in two-dimensional electron systems with long-range correlations. Physics Reports, 2004, 391, 123-156.	25.6	13
65	Effects of a tilted magnetic field in a Dirac double layer. Physical Review B, 2015, 91, .	3.2	12
66	Influence of magnetic-field-induced spin-density-wave motion and finite temperature on the quantum Hall effect in quasi-one-dimensional conductors: A quantum field theory. Physical Review B, 1998, 58, 10648-10664.	3.2	11
67	Physics-inspired analysis of the two-class income distribution in the USA in 1983â€“2018. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210162.	3.4	11
68	A Theory of Magnetic-Field-Induced Phase Transitions in Quasi-One-Dimensional Conductors. Europhysics Letters, 1987, 3, 1041-1047.	2.0	8
69	Hopf invariant for long-wavelength skyrmions in quantum Hall systems for integer and fractional fillings. Physical Review B, 2000, 62, 4586-4604.	3.2	8
70	Comparison of experimental data and theoretical calculations for electrical resistivity and Hall coefficient in (TMTSF)2PF6. Synthetic Metals, 2001, 120, 1083-1084.	3.9	8
71	Optical control of topological memory based on orbital magnetization. Physical Review B, 2022, 105, .	3.2	6
72	Calculation for polar Kerr effect in high-temperature cuprate superconductors. Physical Review B, 2016, 93, .	3.2	5

#	Article	IF	Citations
73	Magnetic oscillations and crystal superstructure. Physical Review Letters, 1993, 70, 2657-2657.	7.8	4
74	Angular magnetoresistance oscillations in quasi-one-dimensional organic conductors in the presence of a crystal superstructure. Physical Review B, 2008, 78, .	3.2	4
75	A model for metastable magnetism in the hidden-order phase of URu2Si2. Annals of Physics, 2018, 388, 398-407.	2.8	3
76	Theory of Thermodynamic Magnetic Oscillations in Quasi-One-Dimensional Conductors. Physical Review Letters, 1993, 70, 519-519.	7.8	2
77	Quantum Hall effect in the field-induced spin density wave states. Journal of Superconductivity and Novel Magnetism, 1994, 7, 757-762.	0.5	2
78	Hall conductivity of a moving magnetic-field-induced spin-density wave. Journal of Superconductivity and Novel Magnetism, 1994, 7, 683-685.	0.5	2
79	Temperature evolution of the quantum hall effect in quasi-one-dimensional organic conductors. Synthetic Metals, 1997, 85, 1609-1612.	3.9	2
80	Collective modes in a system with two spin-density waves: The Ribault phase of quasi-one-dimensional organic conductors. Physical Review B, 2000, 61, 12888-12908.	3.2	2
81	Theory of the quantum hall effect in quasi-one-dimensional conductors. Synthetic Metals, 1991, 43, 3389-3392.	3.9	1
82	GIBBS DISTRIBUTION OF MONEY: A COMPUTER SIMULATION. International Journal of Theoretical and Applied Finance, 2000, 03, 597-597.	0.5	1
83	Econophysics, Statistical Mechanics Approach to. , 2009, , 247-273.		1
84	Magnetic-field-induced Luttinger insulator state in quasi-one-dimensional conductors. Synthetic Metals, 1999, 103, 2028-2029.	3.9	0
85	Angular magnetoresistance oscillations in Q1D as interlayer aharonov-bohm interference. Journal of Low Temperature Physics, 2006, 142, 491-494.	1.4	0
86	Angular Magnetoresistance Oscillations in Q1D as Interlayer Aharonov-Bohm Interference. Journal of Low Temperature Physics, 2007, 142, 495-498.	1.4	0
87	High-efficiency photovoltaic energy conversion using surface acoustic waves in piezoelectric semiconductors. , 2009, , .		0
88	Statistical Mechanics Approach toÂEconophysics. , 2022, , 635-668.		0