GÃ¡bor Papp

List of Publications by Year in descending order

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75 papers	1,184 citations	430874 18 h-index	395702 33 g-index
75 all docs	75 docs citations	75 times ranked	2637 citing authors

#	Article	IF	Citations
1	Transfer learning of phase transitions in percolation and directed percolation. Physical Review E, 2022, 105, .	2.1	4
2	Optimizing Expected Shortfall under an â„“1 Constraintâ€”An Analytic Approach. Entropy, 2021, 23, 523.	2.2	0
3	Investigating particle track topology for range telescopes in particle radiography using convolutional neural networks. Acta OncolÃ³gica, 2021, 60, 1413-1418.	1.8	6
4	An Advanced Automated Patch Clamp Protocol Design to Investigate Drugâ€”Ion Channel Binding Dynamics. Frontiers in Pharmacology, 2021, 12, 738260.	3.5	1
5	Helium radiography with a digital tracking calorimeterâ€”a Monte Carlo study for secondary track rejection. Physics in Medicine and Biology, 2021, 66, 035004.	3.0	8
6	A High-Granularity Digital Tracking Calorimeter Optimized for Proton CT. Frontiers in Physics, 2020, 8, .	2.1	21
7	Multiplicity Dependence in the Non-Extensive Hadronization Model Calculated by the HIJING++ Framework. Universe, 2019, 5, 134.	2.5	2
8	HIJING, a Heavy Ion Jet INteraction Generator for the High-Luminosity Era of the LHC and Beyond. Proceedings (mdpi), 2019, 10, .	0.2	2
9	Design optimization of a pixel-based range telescope for proton computed tomography. Physica Medica, 2019, 63, 87-97.	0.7	18
10	Bias-variance trade-off in portfolio optimization under expected shortfall with $ ewcommand{e}{{m e}} {ell_2}$ regularization. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013402.	2.3	3
11	Analytic approach to variance optimization under an â„“1 constraint. European Physical Journal B, 2019, 92, 1.	1.5	2
12	Predictions for cold nuclear matter effects in p+Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mi>N</m TeV. Nuclear Physics A, 2018, 972, 18-85.	1.5	43
13	Portfolio optimization under Expected Shortfall: contour maps of estimation error. Quantitative Finance, 2018, 18, 1295-1313.	1.7	15
14	Analytic solution to variance optimization with no short positions. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 123402.	2.3	12
15	First Results with HIJING++ in High-Energy Heavy-Ion Collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 373-376.	0.5	5
16	Predictions for p+Pb Collisions at sNN = 5TeV: Comparison with Data. International Journal of Modern Physics E, 2016, 25, 1630005.	1.0	29
17	Strong random correlations in networks of heterogeneous agents. Journal of Economic Interaction and Coordination, 2014, 9, 203-232.	0.7	7
18	PREDICTIONS FOR p+PbCOLLISIONS AT $sqrt{s_{_{it NN}}} = 5$. International Journal of Modern Physics E, 2013, 22, 1330007.	1.0	165

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19	Applying free random variables to random matrix analysis of financial data. Part I: The Gaussian case. Quantitative Finance, 2011, 11, 1103-1124.	1.7	28
20	Cold nuclear modifications at RHIC and LHC. Indian Journal of Physics, 2010, 84, 1721-1725.	1.8	3
21	Pion production in dAu collisions at RHIC energy. European Physical Journal: Special Topics, 2008, 155, 89-99.	2.6	5
22	Where does the energy loss lose strength?. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104066.	3.6	0
23	DOES THE CRONIN PEAK DISAPPEAR AT LHC ENERGIES?. International Journal of Modern Physics E, 2007, 16, 1923-1929.	1.0	7
24	Free random LÃ©vy and Wigner-LÃ©vy matrices. Physical Review E, 2007, 75, 051126.	2.1	24
25	Nuclear Effects in the dAu Collisions from Recent RHIC Data. Nuclear Physics A, 2007, 783, 101-108.	1.5	4
26	From Di-hadron Correlations to Parton Intrinsic Transverse Momentum in Proton-proton Collisions. Nuclear Physics A, 2007, 783, 535-538.	1.5	4
27	Jet tomography in the forward direction at RHIC. European Physical Journal C, 2007, 49, 333-338.	3.9	2
28	The Nuclear Modification Factor at Large Rapidities. Nuclear Physics A, 2006, 774, 801-804.	1.5	3
29	Di-hadron correlations at ISR and RHIC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 383-390.	4.1	8
30	Di-hadron correlations and parton intrinsic transverse momentum. Nuclear Physics A, 2006, 774, 557-560.	1.5	2
31	SPINODAL INSTABILITIES OF HOT AND DILUTE NUCLEAR DROPLET â€“ ISOVECTOR EFFECTS. International Journal of Modern Physics E, 2006, 15, 362-367.	1.0	0
32	Rapidity Asymmetry in pA and Collisions. Nuclear Physics A, 2005, 749, 291-294.	1.5	2
33	Cronin Effect in Close-to-Midrapidity Regions at FNAL and RHIC Energies. Acta Physica Hungarica A Heavy Ion Physics, 2005, 22, 325-334.	0.4	0
34	Cronin effect at different rapidities at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S1125-S1128.	3.6	15
35	Jet tomography studies in AuAu collisions at RHIC energies. European Physical Journal C, 2004, 33, s609-s611.	3.9	13
36	Free LÃ©vy matrices and financial correlations. Physica A: Statistical Mechanics and Its Applications, 2004, 343, 694-700.	2.6	15

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37	3 Ã— 50 Years Nuclear Physics in Hungary. Acta Physica Hungarica A Heavy Ion Physics, 2003, 17, 179-180.	0.4	0
38	Perturbative QCD Results on Pion Production in pp , pA and AA Collisions. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 79-89.	0.4	9
39	Free random variables and molecular spectra. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 48-54.	2.6	1
40	A scalable PC-based parallel computer for lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 1035-1037.	0.4	2
41	Better than $l/Mflops sustained: a scalable PC-based parallel computer for lattice QCD. Computer Physics Communications, 2003, 152, 121-134.	7.5	18
42	Free random LÃ©vy matrices. Physical Review E, 2002, 65, 021106.	2.1	34
43	High-pTpion and kaon production in relativistic nuclear collisions. Physical Review C, 2002, 65, .	2.9	104
44	New Developments in Non-Hermitian Random Matrix Models. , 2002, , 297-314.		0
45	Stability and instability of a hot and dilute nuclear droplet. European Physical Journal A, 2002, 14, 43-51.	2.5	1
46	Free random LÃ©vy variables and financial probabilities. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 181-187.	2.6	7
47	Green's functions in non-hermitian random matrix models. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 456-462.	2.7	5
48	Jets and produced particles inppcollisions from SPS to RHIC energies for nuclear applications. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 1767-1774.	3.6	22
49	Chiral disorder in two-color QCD with Abelian external fluxes. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 977-979.	0.4	2
50	Stability and instability of a hot and dilute nuclear droplet. European Physical Journal A, 2000, 9, 327-343.	2.5	18
51	Saturating Cronin effect in ultrarelativistic proton-nucleus collisions. Physical Review C, 1999, 61, .	2.9	25
52	Correlations of eigenvectors for non-Hermitian random-matrix models. Physical Review E, 1999, 60, 2699-2705.	2.1	49
53	Collective flow in central Au-Au collisions at 150, 250, and400AMeV. Physical Review C, 1999, 59, 1802-1805.	2.9	4
54	Critical scaling at zero virtuality in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 9-14.	4.1	18

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55	Au + Au central collisions at 150, 250 and 400 A MeV energies in QMD with relativistic forces. Nuclear Physics A, 1999, 647, 107-135.	1.5	6
56	A four-fermi model in 0+1 dimensions in matter. Nuclear Physics A, 1998, 642, c191-c196.	1.5	6
57	Thermal multifragmentation in p + Au interactions at 2.16, 3.6 and 8.1 GeV incident energies. European Physical Journal A, 1998, 3, 75-83.	2.5	33
58	Bridged-assisted electron transfer. Random matrix theory approach. Chemical Physics, 1998, 232, 247-255.	1.9	6
59	Chiral disorder and QCD at finite chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 123-128.	4.1	4
60	Chiral disorder and QCD phase transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 300-306.	4.1	5
61	Disorder Effects in Dimerized Bridged Molecular Systems. Journal of Physical Chemistry A, 1998, 102, 9554-9558.	2.5	7
62	Chiral Disorder in QCD. Physical Review Letters, 1998, 81, 264-267.	7.8	55
63	Chiral Disorder and the QCD Dirac Spectrum. Progress of Theoretical Physics Supplement, 1998, 131, 471-481.	0.1	3
64	Non-Hermitian random matrix models: Free random variable approach. Physical Review E, 1997, 55, 4100-4106.	2.1	61
65	The U(1) problem in chiral random matrix models. Nuclear Physics B, 1997, 498, 313-330.	2.5	9
66	Non-hermitian random matrix models. Nuclear Physics B, 1997, 501, 603-642.	2.5	85
67	Two-level system with noise: Blue's function approach. Chemical Physics, 1997, 220, 125-135.	1.9	7
68	QCD spectra and random matrix models. Acta Physica Hungarica A Heavy Ion Physics, 1997, 5, 255-269.	0.4	1
69	QCD-inspired spectra from Blue's functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 137-143.	4.1	14
70	Lattice QCD spectra at finite temperature: a random matrix approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 341-346.	4.1	9
71	Macroscopic Universality: Why QCD in Matter is Subtle. Physical Review Letters, 1996, 77, 4876-4879.	7.8	28
72	Dynamical evolution of fluctuations in an expanding nucleus. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 278, 7-10.	4.1	8

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73	Entropy Production in the Relativistic Heavy Ion Collisions. Physica Scripta, 1990, T32, 155-159.	2.5	1
74	Dynamical Multifragmentation. Physica Scripta, 1990, T32, 160-164.	2.5	4
75	Percolation versus microcanonical fragmentation-comparison of fragment size distributions: Where is the liquid-gas transition in nuclei?. Nuclear Physics A, 1990, 514, 327-338.	1.5	35