

Marcus Bleicher

List of Publications by Year in descending order

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404
papers

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97
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407
all docs

407
docs citations

407
times ranked

4940
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic models for ultrarelativistic heavy ion collisions. Progress in Particle and Nuclear Physics, 1998, 41, 255-369.	14.4	1,575
2	Relativistic hadron-hadron collisions in the ultra-relativistic quantum molecular dynamics model. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1859-1896.	3.6	1,287
3	Fully integrated transport approach to heavy ion reactions with an intermediate hydrodynamic stage. Physical Review C, 2008, 78, .	2.9	309
4	Signatures in the Planck regime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 575, 85-99.	4.1	263
5	Heavy-ion collisions at the LHC—Last call for predictions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 054001.	3.6	255
6	Event-by-event simulation of the three-dimensional hydrodynamic evolution from flux tube initial conditions in ultrarelativistic heavy ion collisions. Physical Review C, 2010, 82, .	2.9	222
7	Strangeness dynamics and transverse pressure in relativistic nucleus-nucleus collisions. Physical Review C, 2004, 69, .	2.9	152
8	Hadron Formation in Relativistic Nuclear Collisions and the QCD Phase Diagram. Physical Review Letters, 2013, 111, 082302.	7.8	137
9	Hypernuclei, dibaryon and antinuclei production in high energy heavy ion collisions: Thermal production vs. coalescence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 85-91.	4.1	132
10	Estimation of the shear viscosity at finite net-baryon density from data at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	129
11	Numerical magneto-hydrodynamics for relativistic nuclear collisions. European Physical Journal C, 2016, 76, 1.	3.9	128
12	A 3-dimensional viscous hydrodynamic code for relativistic heavy ion collisions. Computer Physics Communications, 2014, 185, 3016-3027.	7.5	124
13	Strange resonance production: probing chemical and thermal freeze-out in relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 81-87.	4.1	119
14	Evidence for Flow from Hydrodynamic Simulations of p -Pb collisions at 5.02 TeV from v_2 Mass Splitting. Physical Review Letters, 2014, 112, 232301.	7.8	113
15	Jets, bulk matter, and their interaction in heavy ion collisions at several TeV. Physical Review C, 2012, 85, .	2.9	104
16	Anisotropic flow in ultra-relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 309-314.	4.1	102
17	Nonequilibrium chiral fluid dynamics including dissipation and noise. Physical Review C, 2011, 84, .	2.9	97
18	Physics on the smallest scales: an introduction to minimal length phenomenology. European Journal of Physics, 2012, 33, 853-862.	0.6	96

#	ARTICLE	IF	CITATIONS
19	Equation of state, spectra, and composition of hot and dense infinite hadronic matter in a microscopic transport model. <i>Physical Review C</i> , 1998, 58, 1727-1733.	2.9	91
20	Last call for RHIC predictions. <i>Nuclear Physics A</i> , 1999, 661, 205-260.	1.5	91
21	Probing the equation of state with pions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 151-164.	3.6	88
22	Nonthermal $\langle \frac{p}{m} \rangle$ Ratio at LHC as a Consequence of Hadronic Final State Interactions. <i>Physical Review Letters</i> , 2013, 110, 042501.	7.8	86
23	Local equilibrium in heavy ion collisions: Microscopic model versus statistical model analysis. <i>Physical Review C</i> , 1999, 60, .	2.9	85
24	Event-by-event fluctuations of the charged particle ratio from nonequilibrium transport theory. <i>Physical Review C</i> , 2000, 62, .	2.9	84
25	Black hole remnants at the LHC. <i>Journal of High Energy Physics</i> , 2005, 2005, 053-053.	4.7	82
26	Probing the density dependence of the symmetry potential at low and high densities. <i>Physical Review C</i> , 2005, 72, .	2.9	74
27	(3+1)-dimensional hydrodynamic expansion with a critical point from realistic initial conditions. <i>Physical Review C</i> , 2008, 77, .	2.9	74
28	Hadronic resonance production and interaction in partonic and hadronic matter in the EPOS3 model with and without the hadronic afterburner UrQMD. <i>Physical Review C</i> , 2016, 93, .	2.9	74
29	Hadronic freeze-out following a first order hadronization phase transition in ultrarelativistic heavy-ion collisions. <i>Physical Review C</i> , 1999, 60, .	2.9	72
30	Strangeness enhancement in heavy ion collisions \hat{s} evidence for quark-gluon matter?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 471, 89-96.	4.1	69
31	The Casimir effect in the presence of compactified universal extra dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 582, 1-5.	4.1	68
32	Directed and elliptic flow in heavy-ion collisions from $E_{beam}=90\text{MeV/nucleon}$ to $E_{c.m.}=200\text{GeV/nucleon}$. <i>Physical Review C</i> , 2006, 74, .	2.9	68
33	Examination of directed flow as a signal for a phase transition in relativistic nuclear collisions. <i>Physical Review C</i> , 2014, 89, .	2.9	67
34	Quasistable black holes at the Large Hadron Collider. <i>Physical Review D</i> , 2002, 66, .	4.7	66
35	Deuteron production from phase-space coalescence in the UrQMD approach. <i>Physical Review C</i> , 2019, 99, .	2.9	66
36	Centrality dependence of hadronization and chemical freeze-out conditions in heavy ion collisions at \sqrt{s} . <i>Physical Review C</i> , 2014, 90, .	2.9	65

#	ARTICLE	IF	CITATIONS
37	Magnetic fields in heavy ion collisions: flow and charge transport. European Physical Journal C, 2020, 80, 1.	3.9	63
38	Collisional processes of on-shell and off-shell heavy quarks in vacuum and in the quark-gluon plasma. Physical Review C, 2014, 89, .	2.9	62
39	Can momentum correlations prove kinetic equilibration in heavy ion collisions at 160 AGeV?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 435, 9-12.	4.1	61
40	Transport theories for heavy-ion collisions in the 1AGeV regime. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S741-S757.	3.6	61
41	Hydrodynamics with a chiral hadronic equation of state including quark degrees of freedom. Physical Review C, 2010, 81, .	2.9	61
42	Chiral fluid dynamics with explicit propagation of the Polyakov loop. Physical Review C, 2013, 87, .	2.9	61
43	Modeling $\bar{\psi}\psi$ production and absorption in a microscopic nonequilibrium approach. Physical Review C, 1999, 60, .	2.9	59
44	Medium modifications of the nucleon-nucleon elastic cross section in neutron-rich intermediate energy HICs. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 407-415.	3.6	59
45	Local thermodynamical equilibrium and the equation of state of hot, dense matter created in Au+Au collisions at AGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 379-387.	4.1	58
46	Formation of hypermatter and hypernuclei within transport models in relativistic ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 7-14.	4.1	57
47	Probing the density dependence of the symmetry potential in intermediate-energy heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 1359-1374.	3.6	56
48	Elliptic flow analysis in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV: Fluctuations vs non-flow effects. Physical Review C, 2005, 72, .	2.9	55
49	Direct emission of multiple strange baryons in ultrarelativistic heavy-ion collisions from the phase boundary. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 411-416.	4.1	54
50	Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 241-246.	4.1	54
51	Local thermal and chemical equilibration and the equation of state in relativistic heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 351-361.	3.6	52
52	Dynamics and freeze-out of hadron resonances at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S111-S118.	3.6	50
53	Evidence for hydrodynamic evolution in proton-proton scattering at 900 GeV. Physical Review C, 2011, 83, .	2.9	50
54	Hadronization and hadronic freeze-out in relativistic nuclear collisions. Physical Review C, 2012, 85, .	2.9	50

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55	Dilepton production and reaction dynamics in heavy-ion collisions at SIS energies from coarse-grained transport simulations. <i>Physical Review C</i> , 2015, 92, .	2.9	50
56	Sub-threshold $\bar{\Lambda}$ and Ξ production by high mass resonances with UrQMD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 015104.	3.6	50
57	Probing the minimal length scale by precision tests of the muon $g-2$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 584, 109-113.	4.1	48
58	Formation of droplets with high baryon density at the QCD phase transition in expanding matter. <i>Nuclear Physics A</i> , 2014, 925, 14-24.	1.5	47
59	The effect of ω -pre-formed hadron potentials on the dynamics of heavy ion collisions and the HBT puzzle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 525-530.	4.1	46
60	Neutrino oscillations as a novel probe for a minimal length. <i>Classical and Quantum Gravity</i> , 2011, 28, 235019.	4.0	46
61	Equilibration and relaxation times at the chiral phase transition including reheating. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 711, 109-116.	4.1	46
62	Black hole production in large extra dimensions at the Tevatron: a chance to observe a first glimpse of TeV scale gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 548, 73-76.	4.1	45
63	Effects of a phase transition on HBT correlations in an integrated Boltzmann+hydrodynamics approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 674, 111-116.	4.1	45
64	$\bar{\Lambda}$ polarization in peripheral collisions at moderately relativistic energies. <i>Physical Review C</i> , 2016, 94, .	2.9	45
65	Anomalous hydrodynamics kicks neutron stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 170-174.	4.1	44
66	Statistical mechanics of colored objects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 478, 161-171.	4.1	42
67	Particle number fluctuations in high-energy nucleus-nucleus collisions from microscopic transport approaches. <i>Physical Review C</i> , 2006, 73, .	2.9	42
68	Microscopic models and effective equation of state in nuclear collisions in the vicinity of $E_{\text{lab}} = 30 \text{ A MeV}$ at the GSI Facility for Antiproton and Ion Research (FAIR) and beyond. <i>Physical Review C</i> , 2008, 78, .	2.9	42
69	Eccentricity fluctuations in an integrated hybrid approach: Influence on elliptic flow. <i>Physical Review C</i> , 2010, 81, .	2.9	42
70	The impact of dissipation and noise on fluctuations in chiral fluid dynamics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 055108.	3.6	42
71	Deep sub-threshold $\bar{\Lambda}$ and Ξ production in nuclear collisions with the UrQMD transport model. <i>Physical Review C</i> , 2014, 90, .	2.9	42
72	Production of spectator hypermatter in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2011, 84, .	2.9	41

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73	Hydrodynamics at large baryon densities: Understanding proton versus anti-proton v_2 and other puzzles. Physical Review C, 2012, 86, .	2.9	41
74	Event simulation based on three-fluid hydrodynamics for collisions at energies available at the Dubna Nuclotron-based Ion Collider Facility and at the Facility for Antiproton and Ion Research in Darmstadt. Physical Review C, 2016, 94, .	2.9	40
75	Ideal hydrodynamics and elliptic flow at CERN Super Proton Synchrotron (SPS) energies: Importance of the initial conditions. Physical Review C, 2009, 79, .	2.9	39
76	System size and energy dependence of dilepton production in heavy-ion collisions at 1-2 A GeV/nucleon energies. Physical Review C, 2013, 87, .	2.9	39
77	In Silico Analysis of Cell Cycle Synchronisation Effects in Radiotherapy of Tumour Spheroids. PLoS Computational Biology, 2013, 9, e1003295.	3.2	39
78	Model dependence of lateral distribution functions of high energy cosmic ray air showers. Astroparticle Physics, 2004, 21, 87-94.	4.3	38
79	Net-baryon-, net-proton-, and net-charge kurtosis in heavy-ion collisions within a relativistic transport approach. European Physical Journal C, 2012, 72, 1.	3.9	38
80	Vorticity in peripheral collisions at the Facility for Antiproton and Ion Research and at the JINR Nuclotron-based Ion Collider Facility. Physical Review C, 2014, 90, .	2.9	38
81	Heavy quark transport in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider within the UrQMD hybrid model. Physical Review C, 2016, 93, .	2.9	37
82	Fluctuations and inhomogeneities of energy density and isospin in Pb+Pb at the SPS. Nuclear Physics A, 1998, 638, 391c-394c.	1.5	36
83	Production and evolution path of dileptons at energies accessible to the HADES detector. Physical Review C, 2009, 79, .	2.9	36
84	Microscopic calculations of stopping, flow and electromagnetic radiation from 160 A MeV to 160 A GeV. Nuclear Physics A, 1996, 610, 116-123.	1.5	34
85	Examination of scaling of Hanbury-Brown Twiss radii with charged particle multiplicity. Physical Review C, 2012, 85, .	2.9	34
86	Are We Close to an Equilibrated Quark-Gluon Plasma? Nonequilibrium Analysis of Particle Production in Ultrarelativistic Heavy Ion Collisions. Physical Review Letters, 1998, 81, 4092-4095.	7.8	33
87	Event-by-event fluctuations and the QGP. Nuclear Physics A, 2002, 698, 261-268.	1.5	33
88	Charged-particle (pseudo-)rapidity distributions in p+p and Pb+Pb/Au+Au collisions from UrQMD calculations at energies available at the CERN Super Proton Synchrotron to the Large Hadron Collider. Physical Review C, 2009, 79, .	2.9	33
89	Directed, elliptic and triangular flow of protons in Au+Au reactions at 1.23 A GeV: a theoretical analysis of the recent HADES data. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085101.	3.6	33
90	Strangeness fluctuations and MEMO production at FAIR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 126-131.	4.1	32

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91	Formation of hypernuclei in heavy-ion collisions around the threshold energies. <i>Physical Review C</i> , 2017, 95, .	2.9	32
92	Probing hadronization and freeze-out with multiple strange hadrons and strange resonances. <i>Nuclear Physics A</i> , 2003, 715, 85c-94c.	1.5	31
93	The Λ excitation function: freeze-out and equation of state dependence. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 055104.	3.6	31
94	Microdosimetry spectra and RBE of 1H, 4He, 7Li and 12C nuclei in water studied with Geant4. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 320, 89-99.	1.4	31
95	Mechanisms for the production of hypernuclei beyond the neutron and proton drip lines. <i>Physical Review C</i> , 2013, 88, .	2.9	30
96	Critical review of quark gluon plasma signatures. <i>Progress in Particle and Nuclear Physics</i> , 1999, 42, 279-293.	14.4	29
97	Overpopulation of Λ in pp collisions: A Way to Distinguish Statistical Hadronization from String Dynamics. <i>Physical Review Letters</i> , 2002, 88, 202501.	7.8	29
98	Constraints on models for proton-proton scattering from multistrange baryon data. <i>Physical Review D</i> , 2003, 67, .	4.7	29
99	Black holes at LHC?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, S535-S542.	3.6	29
100	Coarse-graining approach for dilepton production at energies available at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , 2015, 91, .	2.9	29
101	First, second, third and fourth flow harmonics of deuterons and protons in Au+Au reactions at 1.23 AGeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 055101.	3.6	29
102	Suppression of high p_T hadrons in Pb + Pb collisions at LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 709, 82-86.	4.1	28
103	Modelling relativistic heavy-ion collisions with dynamical transport approaches. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103920.	14.4	27
104	Large extra dimensions and small black holes at the LHC. <i>Journal of Physics: Conference Series</i> , 2010, 237, 012008.	0.4	26
105	Influence of the hadronic phase on observables in ultrarelativistic heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	26
106	Equation of state of resonance-rich matter in the central cell in heavy-ion collisions at $\sqrt{s}=200$ AGeV. <i>Physical Review C</i> , 2001, 63, .	2.9	25
107	Anisotropic flow at RHIC: how unique is the number-of-constituent-quark scaling?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 1121-1129.	3.6	25
108	Local equilibrium in heavy-ion collisions: Microscopic analysis of a central cell versus infinite matter. <i>Physical Review C</i> , 2000, 62, .	2.9	23

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109	A micro-canonical description of hadron production in proton-proton collisions. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S589-S594.	3.6	23
110	Dimuon radiation at relativistic energies available at the CERN Super Proton Synchrotron within a (3+1)D hydrodynamic + cascade model. Physical Review C, 2011, 84, .	2.9	23
111	A microscopic calculation of secondary Drell-Yan production in heavy ion collisions. European Physical Journal C, 1998, 5, 349-355.	3.9	22
112	Reaction dynamics in Pb + Pb at the CERN/SPS: From partonic degrees of freedom to freeze-out. Progress in Particle and Nuclear Physics, 1999, 42, 313-322.	14.4	22
113	Shape analysis of strongly interacting systems: the heavy ion case. New Journal of Physics, 2011, 13, 065006.	2.9	22
114	Core-corona separation in the UrQMD hybrid model. Physical Review C, 2011, 84, .	2.9	22
115	Enhanced strange particle yields - signal of a phase of massless particles?. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 449-457.	3.6	21
116	Black hole relics in large extra dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 566, 233-239.	4.1	21
117	A model comparison of resonance lifetime modifications, a soft equation of state and non-Gaussian effects on $\langle \delta N \delta N \rangle$ correlations at FAIR/AGS energies. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015111.	3.6	21
118	Ultrarelativistic quantum molecular dynamics calculations of two-pion Hanbury-Brown-Twiss correlations in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	21
119	Spatio-Temporal Dynamics of Hypoxia during Radiotherapy. PLoS ONE, 2015, 10, e0133357.	2.5	21
120	Photon and dilepton production at the Facility for Proton and Anti-Proton Research and beam-energy scan at the Relativistic Heavy-Ion Collider using coarse-grained microscopic transport simulations. Physical Review C, 2016, 93, .	2.9	21
121	Antibaryons in massive heavy ion reactions: Importance of potentials. Physical Review C, 1996, 53, 2011-2013.	2.9	20
122	Microdosimetry of radiation field from a therapeutic ^{12}C beam in water: A study with Geant4 toolkit. Nuclear Instruments & Methods in Physics Research B, 2013, 310, 37-53.	1.4	20
123	Net-proton-number kurtosis and skewness in nuclear collisions: Influence of deuteron formation. Physical Review C, 2015, 92, .	2.9	20
124	Sub-threshold charm production in nuclear collisions. Physical Review C, 2017, 95, .	2.9	20
125	Sumanene as a delivery system for 5-fluorouracil drug - DFT, SAPT and MD study. Journal of Molecular Liquids, 2021, 342, 117526.	4.9	20
126	Microscopic coloured quark dynamics in the soft non-perturbative regime - description of hadron formation in relativistic S + Au collisions at CERN. New Journal of Physics, 2001, 3, 8-8.	2.9	19

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127	On the role of initial conditions and final state interactions in ultrarelativistic heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064030.	3.6	19
128	Comparative study of dose distributions and cell survival fractions for ^1H , ^4He , ^{12}C and ^{16}O beams using Geant4 and Microdosimetric Kinetic model. Physics in Medicine and Biology, 2015, 60, 3313-3331.	3.0	19
129	Enhanced antiproton production in Pb(160 A GeV)+Pb reactions: evidence for quark gluon matter?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 133-138.	4.1	18
130	First order calculation of the inclusive cross section $\text{pp} \rightarrow \text{ZZ}$ by graviton exchange in large extra dimensions. Physical Review D, 2007, 76, .	4.7	18
131	Forward-Backward Charge Fluctuations at RHIC Energies. Nuclear Physics A, 2007, 785, 253-256.	1.5	18
132	Centrality and system size dependence of (multi-strange) hyperons at 40 A and 158 A GeV: A comparison between a binary collision model and a Boltzmann+hydrodynamic hybrid model. Physical Review C, 2009, 80, .	2.9	18
133	Hybrid model calculations of direct photons in high-energy nuclear collisions. Physical Review C, 2010, 81, .	2.9	18
134	Resonances as a possible observable of hot and dense nuclear matter. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094046.	3.6	18
135	Excitation function of energy density and partonic degrees of freedom in relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 443-448.	4.1	17
136	Enhanced event-by-event fluctuations in pion multiplicity as a signal of disoriented chiral condensates in relativistic heavy-ion collisions. Physical Review C, 2000, 62, .	2.9	17
137	How sensitive are di-leptons from \bar{J} -mesons to the high baryon density region?. Physical Review C, 2008, 78, .	2.9	17
138	Extraction of the sound velocity from rapidity spectra: Evidence for QGP formation at FAIR/RHIC-BES energies. European Physical Journal A, 2012, 48, 1.	2.5	17
139	Constraining pion interactions at very high energies by cosmic ray data. Physical Review D, 2016, 93, .	4.7	17
140	Coalescence, the thermal model and multi-fragmentation: the energy and volume dependence of light nuclei production in heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055107.	3.6	17
141	Phasespace structure of antideuteron production in heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 10-13.	4.1	16
142	Deuterons and space-momentum correlations in high energy nuclear collisions. Physical Review C, 1999, 60, .	2.9	16
143	Distinguishing hadronic cascades from hydrodynamic models in Pb(160 A GeV)+Pb reactions by impact parameter variation. Physical Review C, 1999, 59, R1844-R1845.	2.9	16
144	The origin of transverse flow at the SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 227-232.	4.1	16

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145	Event-by-event fluctuations and the QGP. Nuclear Physics A, 2002, 702, 291-298.	1.5	16
146	Collective Flow Signals the Quark-Gluon Plasma. Acta Physica Hungarica A Heavy Ion Physics, 2005, 24, 189-201.	0.4	16
147	Event-by-event analysis of baryon-strangeness correlations: Pinning down the critical temperature and volume of quark-gluon-plasma formation. Physical Review C, 2006, 73, .	2.9	16
148	Reconstructing ρ and η mesons from nonleptonic decays in C+C collisions at 2 GeV/nucleon in transport model calculations. Physical Review C, 2006, 74, .	2.9	16
149	Searching for the critical point of QCD: Theoretical benchmark calculations. Physical Review C, 2007, 76, .	2.9	16
150	Formation of hypernuclei in evaporation and fission processes. Physical Review C, 2016, 94, .	2.9	16
151	Towards solving the puzzle of high temperature light (anti)-nuclei production in ultra-relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136891.	4.1	16
152	Analysis of reaction dynamics at ultrarelativistic energies in a combined parton-hadron transport approach. Physical Review C, 1999, 60, .	2.9	15
153	Microcanonical hadron production in p+p collisions. Physical Review C, 2004, 69, .	2.9	15
154	Theoretical Analysis of Dilepton Spectra in Heavy Ion Collisions at GSI-FAIR Energies. Acta Physica Hungarica A Heavy Ion Physics, 2006, 27, 451-458.	0.4	15
155	Elliptic flow analysis at RHIC with the Lee-Yang zeros method in a relativistic transport approach. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 2181-2186.	3.6	15
156	Detecting quark gluon plasma with charge transfer fluctuations. Physical Review C, 2006, 73, .	2.9	15
157	Transport model study of the $\langle \mathcal{N}^2 \rangle$ scaling for ρ , K, and η HBT-correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 285-288.	4.1	15
158	Production of hypernuclei in peripheral collisions of relativistic ions. Nuclear Physics A, 2012, 881, 228-239.	1.5	15
159	Formation of deuterons by coalescence: Consequences for deuteron number fluctuations. Physical Review C, 2016, 93, .	2.9	15
160	Heavy baryonic resonances, multistrange hadrons, and equilibration at energies available at the GSI Schwerionensynchrotron, SIS18. Physical Review C, 2016, 93, .	2.9	15
161	Universal transition curve in pseudorapidity distribution. Physical Review C, 2004, 69, .	2.9	14
162	Nonequilibrium models of relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S929-S942.	3.6	14

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163	Transport model analysis of particle correlations in relativistic heavy ion collisions at femtometer scales. <i>Physical Review C</i> , 2006, 73, .	2.9	14
164	The effect of dynamical parton recombination on event-by-event observables. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 197-201.	4.1	14
165	Exclusion of black hole disaster scenarios at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 672, 71-76.	4.1	14
166	Correspondence between Hanbury-Brownâ€“Twiss radii and the emission zone in noncentral heavy ion collisions. <i>Physical Review C</i> , 2011, 84, .	2.9	14
167	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 731.	0.8	14
168	Formation of exotic baryon clusters in ultrarelativistic heavy-ion collisions. <i>Physical Review C</i> , 2017, 96, .	2.9	14
169	Conserved charge fluctuations are not conserved during the hadronic phase. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 32-37.	4.1	14
170	Entropy production and reheating at the chiral phase transition. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 557-562.	4.1	14
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