

Ulrich Heinz

List of Publications by Year in descending order

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times ranked

5907
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective Flow and Viscosity in Relativistic Heavy-Ion Collisions. Annual Review of Nuclear and Particle Science, 2013, 63, 123-151.	10.2	949
2	Thermal phenomenology of hadrons from 200A GeV S+S collisions. Physical Review C, 1993, 48, 2462-2475.	2.9	810
3	Radial and elliptic flow at RHIC: further predictions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 58-64.	4.1	737
4	Anisotropic transverse flow and the quark-hadron phase transition. Physical Review C, 2000, 62, .	2.9	447
5	Early thermalization at RHIC. Nuclear Physics A, 2002, 702, 269-280.	1.5	409
6	Causal viscous hydrodynamics in 2 + 1 dimensions for relativistic heavy-ion collisions. Physical Review C, 2008, 77, .	2.9	393
7	Hadronic dissipative effects on elliptic flow in ultrarelativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 299-304.	4.1	381
8	200<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">$\sqrt{s_{NN}}$ GeV<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">$\sqrt{s_{NN}}$ GeV</math> Collisions Serve a Nearly Perfect Quark-Gluon Liquid. Physical Review Letters, 2011, 106, 192301.	7.8	380
9	Elliptic flow at SPS and RHIC: from kinetic transport to hydrodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 232-240.	4.1	373
10	Fluctuation Probes of Quark Deconfinement. Physical Review Letters, 2000, 85, 2072-2075.	7.8	367
11	Suppression of elliptic flow in a minimally viscous quark-gluon plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 279-283.	4.1	340
12	Particle interferometry for relativistic heavy-ion collisions. Physics Reports, 1999, 319, 145-230.	25.6	317
13	Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. Physical Review C, 2016, 94, .	2.9	316
14	The iEBE-VISHNU code package for relativistic heavy-ion collisions. Computer Physics Communications, 2016, 199, 61-85.	7.5	302
15	Extracting the jet transport coefficient from jet quenching in high-energy heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	298
16	Centrality dependence of multiplicity, transverse energy, and elliptic flow from hydrodynamics. Nuclear Physics A, 2001, 696, 197-215.	1.5	280
17	Quark-Gluon transport theory. Physics Reports, 1989, 183, 81-135.	25.6	270
18	Event-by-event shape and flow fluctuations of relativistic heavy-ion collision fireballs. Physical Review C, 2011, 84, .	2.9	270

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19	Heavy-ion collisions at the LHCâ€”Last call for predictions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 054001.	3.6	255
20	Massive gluons and quarks and the equation of state obtained from SU(3) lattice QCD. Physical Review C, 1998, 57, 1879-1890.	2.9	243
21	Multiplicity scaling in ideal and viscous hydrodynamics. Physical Review C, 2008, 78, .	2.9	227
22	Kinetic Theory for Plasmas with Non-Abelian Interactions. Physical Review Letters, 1983, 51, 351-354.	7.8	216
23	Hydrodynamic elliptic and triangular flow in Pbâ€”Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 151-155.	4.1	199
24	TWO-PARTICLECORRELATIONS INRELATIVISTICHEAVY-IONCOLLISIONS. Annual Review of Nuclear and Particle Science, 1999, 49, 529-579.	10.2	190
25	Coalescence and flow in ultrarelativistic heavy ion collisions. Physical Review C, 1999, 59, 1585-1602.	2.9	185
26	Radial and elliptic flow in Pb collisions at energies available at the CERN Large Hadron Collider from viscous hydrodynamics. Physical Review C, 2011, 84, .	2.9	183
27	Extracting the QGP viscosity from RHIC dataâ€”a status report from viscous hydrodynamics. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064033.	3.6	159
28	Dissipative hydrodynamics for viscous relativistic fluids. Physical Review C, 2006, 73, .	2.9	156
29	Quark-gluon transport theory I. The classical theory. Annals of Physics, 1985, 161, 48-80.	2.8	152
30	Possibility of Detecting Density Isomers in High-Density Nuclear Mach Shock Waves. Physical Review Letters, 1976, 36, 88-91.	7.8	147
31	Introduction to hydrodynamics. International Journal of Modern Physics E, 2015, 24, 1530010.	1.0	135
32	Anisotropic flow from AGS to LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 667-673.	4.1	134
33	Viscous QCD matter in a hybrid hydrodynamic+Boltzmann approach. Physical Review C, 2011, 83, .	2.9	134
34	New Cross Term in the Two-Particle Hanbury-Brownâ€”Twiss Correlation Function in Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 1995, 74, 4400-4403.	7.8	127
35	Systematic parameter study of hadron spectra and elliptic flow from viscous hydrodynamic simulations of Au collisions at $\sqrt{s} = 200$ MeV. Physical Review Letters, 2006, 96, 202302.	2.9	126
36	Elliptic Flow of Thermal Photons in Relativistic Nuclear Collisions. Physical Review Letters, 2006, 96, 202302.	7.8	121

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37	Hydrodynamic event-plane correlations in Pb + Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 261-265.	2.9	119
38	Multisystem Bayesian constraints on the transport coefficients of QCD matter. Physical Review C, 2021, 103, .	2.9	118
39	Second-order anisotropic hydrodynamics. Physical Review C, 2014, 90, .	2.9	114
40	Gauge covariant linear response analysis of QCD plasma oscillations. Annals of Physics, 1987, 176, 218-277.	2.8	112
41	HYDRODYNAMIC DESCRIPTION OF ULTRARELATIVISTIC HEAVY-ION COLLISIONS. , 2004, , 634-714.		111
42	Elliptic flow in Au collisions and formation of antimatter clusters in the hadronisation phase transition. Journal of Physics G: Nuclear Physics, 1986, 12, 1237-1263.	2.9	109
43	Formation of antimatter clusters in the hadronisation phase transition. Journal of Physics G: Nuclear Physics, 1986, 12, 1237-1263.	0.8	107
44	The influence of resonance decays on the pT spectra from heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 256-264.	4.1	107
45	Interplay of shear and bulk viscosity in generating flow in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	107
46	New Exact Solution of the Relativistic Boltzmann Equation and its Hydrodynamic Limit. Physical Review Letters, 2014, 113, 202301.	7.8	107
47	Hadron spectra and elliptic flow for 200A GeV Au collisions from viscous hydrodynamics coupled to a Boltzmann cascade. Physical Review C, 2011, 83, .	2.9	105
48	Mass ordering of differential elliptic flow and its violation for \tilde{J} mesons. Physical Review C, 2008, 77, .	2.9	101
49	Search for collective transverse flow using particle transverse momentum spectra in relativistic heavy-ion collisions. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 525-541.	1.5	98
50	Is there a low-p T anomaly in the pion momentum spectra from relativistic nuclear collisions?. Zeitschrift für Physik C-Particles and Fields, 1991, 52, 593-609.	1.5	95
51	Towards Relativistic Transport-Theory of Nuclear Matter. Annals of Physics, 1994, 229, 1-54.	2.8	92
52	Studying the validity of relativistic hydrodynamics with a new exact solution of the Boltzmann equation. Physical Review D, 2014, 90, .	4.7	91
53	Covariant coalescence model for relativistically expanding systems. Physical Review C, 1991, 44, 1636-1654.	2.9	90
54	Thermal photons as a quark-gluon plasma thermometer reexamined. Physical Review C, 2014, 89, .	2.9	90

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55	Evidence for a phase with high specific entropy in nuclear collisions. Physical Review Letters, 1993, 70, 3530-3533.	7.8	89
56	Three-dimensional $O(N)$ theories at large distances. Physical Review D, 1981, 24, 2169-2181.	4.7	87
57	Fluctuating flow angles and anisotropic flow measurements. Physical Review C, 2013, 87, .	2.9	86
58	Electromagnetic radiation from nuclear collisions at ultrarelativistic energies. Physical Review C, 2008, 77, .	2.9	85
59	Strangeness conservation in hot nuclear fireballs. Physical Review D, 1995, 51, 3408-3435.	4.7	84
60	Relativistic Quantum Transport Theory for Electrodynamics. Annals of Physics, 1996, 245, 311-338.	2.8	83
61	Primordial hadrosynthesis in the little bang. Nuclear Physics A, 1999, 661, 140-149.	1.5	83
62	Phenomenological Constraints on the Transport Properties of QCD Matter with Data-Driven Model Averaging. Physical Review Letters, 2021, 126, 242301.	7.8	82
63	Extracting source parameters from Gaussian fits to two-particle correlations. Physical Review C, 1995, 52, 2694-2703.	2.9	78
64	Resonance contributions to Hanbury-Brown-Twiss correlation radii. Physical Review C, 1997, 56, 3265-3286.	2.9	75
65	Hydrodynamical assessment of 200 A GeV collisions. Physical Review C, 1994, 50, 1675-1683.	2.9	73
66	Circumstantial evidence for transverse flow in 200 A GeV S+S collisions. Physical Review Letters, 1992, 69, 2908-2911.	7.8	70
67	What can we learn from three-pion interferometry?. Physical Review C, 1997, 56, 426-431.	2.9	69
68	Family of equations of state based on lattice QCD: Impact on flow in ultrarelativistic heavy-ion collisions. Physical Review C, 2007, 76, .	2.9	68
69	Spectra and elliptic flow for identified hadrons in Pb + Pb collisions. Physical Review C, 2014, 89, .	2.9	68
70	Quark-gluon plasma versus hadron gas. What one can learn from hadron abundances. Physical Review C, 1988, 37, 1452-1462.	2.9	64
71	Anisotropic Flow and Jet Quenching in Ultrarelativistic U+U Collisions. Physical Review Letters, 2005, 94, 132301.	7.8	64
72	Collision energy dependence of viscous hydrodynamic flow in relativistic heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	64

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73	Transverse momentum dependence of Hanbury-Brown-Twiss correlation radii. <i>Physical Review C</i> , 1996, 53, 918-931.	2.9	63
74	Hydrodynamics at RHIC: how well does it work, where and how does it break down?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, S717-S724.	3.6	59
75	The viscosity of quark-gluon plasma at RHIC and the LHC. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	58
76	Energy and Momentum Deposited into a QCD Medium by a Jet Shower. <i>Physical Review Letters</i> , 2009, 103, 152303.	7.8	56
77	Mode-coupling effects in anisotropic flow in heavy-ion collisions. <i>Physical Review C</i> , 2016, 93, .	2.9	56
78	Anisotropic flow of thermal photons as a quark-gluon plasma viscometer. <i>Physical Review C</i> , 2015, 91, .	2.9	55
79	HBT correlators - current formalism vs. Wigner function formulation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 340, 250-253.	4.1	53
80	How to extract physics from HBT radius parameters. <i>Nuclear Physics A</i> , 1996, 610, 264-277.	1.5	53
81	Tilted pion sources from azimuthally sensitive HBT interferometry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 489, 287-292.	4.1	51
82	Pre-equilibrium evolution effects on heavy-ion collision observables. <i>Physical Review C</i> , 2015, 91, .	2.9	51
83	The BEST framework for the search for the QCD critical point and the chiral magnetic effect. <i>Nuclear Physics A</i> , 2022, 1017, 122343.	1.5	51
84	Elliptic flow of thermal dileptons in relativistic nuclear collisions. <i>Physical Review C</i> , 2007, 75, .	2.9	50
85	s -SEPARATION DURING HADRONIZATION OF A QUARK-GLUON PLASMA. <i>Modern Physics Letters A</i> , 1987, 02, 153-158.	1.2	49
86	K^+ and K^0 Slope Parameters as a Signature for Deconfinement at Finite Baryon Density. <i>Physical Review Letters</i> , 1987, 58, 2292-2295.	7.8	49
87	Exact solutions and attractors of higher-order viscous fluid dynamics for Bjorken flow. <i>Physical Review C</i> , 2019, 100, .	2.9	47
88	Plasmon in hot 4 theory. <i>Physical Review D</i> , 1996, 53, 899-910.	4.7	45
89	Towards the Little Bang Standard Model. <i>Journal of Physics: Conference Series</i> , 2013, 455, 012044.	0.4	45
90	Vacuum stability in three-dimensional $O(N)$ theories. <i>Physical Review D</i> , 1982, 25, 2620-2633.	4.7	44

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91	Elliptic flow from a hybrid CGC, full 3D hydro and hadronic cascade model. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S879-S882.	3.6	44
92	The quark-gluon plasma at RHIC. Nuclear Physics A, 2003, 721, C30-C39.	1.5	43
93	Multiplicity distribution and source deformation in full-overlap U+U collisions. Physical Review C, 2005, 72, .	2.9	43
94	Initial-state fluctuations in collisions between light and heavy ions. Physical Review C, 2016, 94, .	2.9	43
95	Wigner Functions in Covariant and Single-Time Formulations. Annals of Physics, 1998, 266, 351-416.	2.8	42
96	Symmetry constraints for the emission angle dependence of Hanbury-Brown-Twiss radii. Physical Review C, 2002, 66, .	2.9	42
97	The QGP shear viscosity – elusive goal or just around the corner?. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124045.	3.6	42
98	Get on the BAND Wagon: a Bayesian framework for quantifying model uncertainties in nuclear dynamics. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 072001.	3.6	42
99	Emission angle dependent pion interferometry at RHIC and beyond. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 216-222.	4.1	41
100	Relativistic hydrodynamics in a global fashion. Physical Review C, 1993, 47, 1738-1750.	2.9	40
101	Rapidity dependent momentum anisotropy at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S1229-S1233.	3.6	40
102	Equal-time hierarchies for quantum transport theory. Physical Review D, 1998, 57, 6525-6543.	4.7	39
103	Hydrodynamic radial and elliptic flow in heavy-ion collisions from AGS to LHC energies. European Physical Journal C, 2009, 61, 545-552.	3.9	39
104	Elliptic flow from a transversally thermalized fireball. Physical Review C, 2002, 66, .	2.9	38
105	Analytic Solution of the Boltzmann Equation in an Expanding System. Physical Review Letters, 2016, 116, 022301.	7.8	38
106	Phase structure of strange matter. Physical Review D, 1993, 47, 2068-2080.	4.7	34
107	Nonconformal viscous anisotropic hydrodynamics. Physical Review C, 2015, 91, .	2.9	34
108	Collision geometry and flow in uranium-uranium collisions. Physical Review C, 2015, 92, .	2.9	34

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109	(3+1)-dimensional dissipative relativistic fluid dynamics at non-zero net baryon density. Computer Physics Communications, 2020, 251, 107090.	7.5	34
110	Nonlinear dynamics from the relativistic Boltzmann equation in the Friedmann-Lemaître-Robertson-Walker spacetime. Physical Review D, 2016, 94, .	4.7	33
111	The strongly coupled quark-gluon plasma created at RHIC. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214003.	2.1	32
112	Systematic comparison of jet quenching in different fluid-dynamical models. Physical Review C, 2011, 83, .	2.9	32
113	Time structure and atomic excitation spectra in heavy-ion collisions with nuclear contact. Annals of Physics, 1984, 158, 476-512.	2.8	31
114	Strange messages: chemical and thermal freeze-out in nuclear collisions. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 263-274.	3.6	31
115	Shape and flow fluctuations in ultracentral Pb + Pb collisions at the energies available at the CERN Large Hadron Collider. Physical Review C, 2015, 92, .	2.9	31
116	Anisotropic fluid dynamics for Gubser flow. Physical Review C, 2017, 95, .	2.9	31
117	Fluctuation dynamics near the QCD critical point. Physical Review C, 2020, 102, .	2.9	31
118	Photon emission from a momentum-anisotropic quark-gluon plasma. Physical Review C, 2015, 91, .	2.9	30
119	Energy spectra of strange particles hadronizing from a quark-gluon plasma. Physical Review C, 1988, 37, 1463-1472.	2.9	29
120	Strangeness production and chemical equilibration in relativistic nuclear collisions. Nuclear Physics A, 1994, 566, 205-216.	1.5	29
121	Thermalization and Lyapunov exponents in Yang-Mills-Higgs theory. Physical Review D, 1997, 55, 2464-2476.	4.7	28
122	Leading-order anisotropic hydrodynamics for central collisions. Physical Review C, 2015, 92, .	2.9	28
123	Hydrodynamics from free-streaming to thermalization and back again. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135158.	4.1	28
124	Non-conformal attractor in boost-invariant plasmas. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136820.	4.1	28
125	Hydrodynamic flow amplitude correlations in event-by-event fluctuating heavy-ion collisions. Physical Review C, 2016, 94, .	2.9	27
126	Final state interactions in two-particle interferometry. Physical Review C, 1998, 57, 1428-1439.	2.9	26

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127	Evolution of pion HBT radii from RHIC to LHCâ€” predictions from ideal hydrodynamics. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2249-2254.	3.6	26
128	Hydrodynamic simulation of elliptic flow. Nuclear Physics A, 1999, 661, 349-352.	1.5	25
129	Reconstructing the Freeze-out State in Pb+Pb Collisions at 158 A GeV/ c a. Acta Physica Hungarica A Heavy Ion Physics, 2003, 17, 105-143.	0.4	25
130	Massively parallel simulations of relativistic fluid dynamics on graphics processing units with CUDA. Computer Physics Communications, 2018, 225, 92-113.	7.5	25
131	Hybrid model with dynamical sources for heavy-ion collisions at BES energies. Nuclear Physics A, 2019, 982, 407-410.	1.5	25
132	Electron-translation effects in heavy-ion scattering. Physical Review A, 1981, 23, 562-596.	2.5	24
133	Emission angle dependent HBT at RHIC and beyond. Nuclear Physics A, 2003, 715, 653c-656c.	1.5	24
134	Viscosity from elliptic flow: Clearing the path towards precision. Physical Review C, 2009, 80, .	2.9	24
135	The deconfining phase transition - influence of hadron resonances and strangeness. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 123-127.	4.1	23
136	Hadronic observables: Theoretical highlights. Nuclear Physics A, 1998, 638, 357c-364c.	1.5	23
137	Thermal analysis of hadron multiplicities from relativistic quantum molecular dynamics. Physical Review C, 1999, 59, 1637-1645.	2.9	23
138	Fitted Hanbury-Brownâ€”Twiss radii versus space-time variances in flow-dominated models. Physical Review C, 2006, 73, .	2.9	23
139	Hydrodynamic flow in heavy-ion collisions with large hadronic viscosity. Physical Review C, 2011, 83, .	2.9	23
140	Relativistic kinetic equations for electromagnetic, scalar, and pseudoscalar interactions. Physical Review D, 1996, 53, 2096-2101.	4.7	22
141	Kinetic freeze-out and radial flow in 11.6 A GeV Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 457, 353-358.	4.1	22
142	Glucos saturation effects in relativistic $sr1.gif$ overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.else. Physics	4.1	22
143	Quantum mechanical treatment of electron-positron excitations in heavy ion collisions with nuclear contact. Annals of Physics, 1983, 151, 227-261.	2.8	21
144	Viscosity in hot scalar field theory. Physical Review D, 1996, 53, 5978-5981.	4.7	21

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145	Elliptic Flow of Thermal Photons/Dileptons. Nuclear Physics A, 2007, 783, 379-386.	1.5	21
146	The Road to Precision: Extraction of the Specific Shear Viscosity of the Quark-Gluon Plasma. Nuclear Physics News, 2015, 25, 6-11.	0.4	21
147	Higher order and anisotropic hydrodynamics for Bjorken and Gubser flows. Physical Review C, 2018, 97, .	2.9	21
148	Hydrodynamic flow in small systems or: "How the heck is it possible that a system emitting only a dozen particles can be described by fluid dynamics?" Journal of Physics: Conference Series, 2019, 1271, 012018.	0.4	21
149	Particization in fluid dynamical simulations of heavy-ion collisions: The iS3D module. Computer Physics Communications, 2021, 258, 107604.	7.5	21
150	Nonconformal kinetic theory and hydrodynamics for Bjorken flow. Physical Review C, 2022, 105, .	2.9	21
151	Stability of massive objects in a new scalar-tensor theory. Physical Review D, 1981, 24, 1484-1490.	4.7	20
152	Dynamics of QCD matter " current status. International Journal of Modern Physics E, 2021, 30, 2130001.	1.0	20
153	(<mml:math>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 432 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mr	2.9	19
154	New class of Hanbury-Brown "Twiss parameters. Physical Review C, 1997, 56, R610-R613.	2.9	18
155	Reconstructing the source in heavy ion collisions from particle interferometry. Nuclear Physics A, 1998, 638, 475c-478c.	1.5	18
156	n-point functions at finite temperature. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1861-1868.	3.6	18
157	Hydrodynamical evolution of dissipative QGP fluid. Journal of Physics: Conference Series, 2006, 50, 251-258.	0.4	18
158	Early Collective Expansion: Relativistic Hydrodynamics and the Transport Properties of QCD Matter. Landolt-B "rnstein - Group I Elementary Particles, Nuclei and Atoms, 2010, , 240-292.	0.2	18
159	Jet acoplanarity as a quark-gluon-plasma probe. Physical Review D, 1990, 41, 306-309.	4.7	17
160	Global hydrodynamics with continuous freeze-out. Physical Review C, 1997, 56, 439-452.	2.9	17
161	Projected three-pion correlation functions. Physical Review C, 2004, 70, .	2.9	17
162	Viscous hydrodynamics with bulk viscosity " uncertainties from relaxation time and initial conditions. Nuclear Physics A, 2009, 830, 467c-470c.	1.5	17

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163	JozsÃ³'s Legacy: Chemical and kinetic freeze-out in heavy-ion collisions. European Physical Journal: Special Topics, 2008, 155, 75-87.	2.6	16
164	Energy dependent growth of the nucleon and hydrodynamic initial conditions. Physical Review C, 2011, 84, .	2.9	16
165	Event-by-event direct photon anisotropic flow in relativistic heavy-ion collisions. Nuclear Physics A, 2014, 931, 675-680.	1.5	16
166	Exact solutions of the Boltzmann equation and optimized hydrodynamic approaches for relativistic heavy-ion collisions. Nuclear and Particle Physics Proceedings, 2016, 276-278, 193-196.	0.5	16
167	Coalescence model for deuterons and antideuterons in relativistic heavy-ion collisions. Physical Review C, 1994, 50, 1110-1128.	2.9	15
168	Bose-Einstein correlations in a space-time approach to e^+e^- annihilation into hadrons. Physical Review D, 2000, 61, .	4.7	15
169	Causal relativistic hydrodynamics for viscous fluids. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104126.	3.6	15
170	Multiboson Effects in Bose-Einstein Interferometry and the Multiplicity Distribution. Annals of Physics, 2001, 288, 325-360.	2.8	14
171	Differential flow correlations in relativistic heavy-ion collisions. Physical Review C, 2017, 95, .	2.9	14
172	Interplay of nuclear and atomic physics in ion-atom collisions. Reports on Progress in Physics, 1987, 50, 145-231.	20.1	13
173	Multiboson effects and the normalization of the two-pion correlation function. Physical Review C, 1998, 58, 3757-3760.	2.9	13
174	Event-by-event hydrodynamics for heavy-ion collisions. , 2012, , .		13
175	Hanbury-Brown-Twiss interferometry relative to the triangular flow plane in heavy-ion collisions. Physical Review C, 2013, 88, .	2.9	13
176	Introduction to Hydrodynamics. , 2016, , 131-187.		13
177	Pre-equilibrium dynamics and heavy-ion observables. Nuclear Physics A, 2016, 956, 549-552.	1.5	13
178	Strange matter lumps in the early Universe. Physical Review D, 1994, 50, 4771-4780.	4.7	12
179	Photons from nuclear collisions at RHIC energies. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104119.	3.6	12
180	Exploring the influence of bulk viscosity of QCD on dilepton tomography. Physical Review C, 2020, 101, .	2.9	12

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181	Equation of State and Collective Dynamics. Journal of Physics: Conference Series, 2006, 50, 230-237.	0.4	11
182	Imprinting Quantum Fluctuations on Hydrodynamic Initial Conditions. Nuclear Physics A, 2013, 904-905, 815c-818c.	1.5	11
183	Resummed hydrodynamic expansion for a plasma of particles interacting with fields. Physical Review D, 2019, 99, .	4.7	11
184	Baryon transport and the QCD critical point. Physical Review C, 2021, 104, .	2.9	11
185	QCD matter within a quasi-particle model and the critical end point. Nuclear Physics A, 2006, 774, 757-760.	1.5	10
186	Resonance decay contributions to higher-order anisotropic flow coefficients. Physical Review C, 2012, 86, .	2.9	10
187	Thermal photon anisotropic flow serves as a quark-gluon plasma viscometer. Nuclear Physics A, 2014, 932, 184-188.	1.5	10
188	Modified equilibrium distributions for Cooper-Frye particlization. Physical Review C, 2021, 103, .	2.9	10
189	Fireball Spectra. NATO ASI Series Series B: Physics, 1993, , 175-206.	0.2	10
190	Thermal analysis of particle yields from RQMD. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 363-371.	3.6	9
191	Four-point spectral functions and Ward identities in hot QED. Physical Review D, 2000, 61, .	4.7	9
192	Viscous hydrodynamics for strongly anisotropic expansion. Nuclear Physics A, 2014, 931, 920-925.	1.5	9
193	Probing the properties of event-by-event distributions in Hanbury-Brown-Twiss radii. Physical Review C, 2015, 92, .	2.9	9
194	Investigating the domain of validity of the Gubser solution to the Boltzmann equation. Nuclear Physics A, 2015, 943, 26-38.	1.5	9
195	Maximum entropy kinetic matching conditions for heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	9
196	Landau damping: New aspects of an old story. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 109, 385-388.	2.1	8
197	The \hat{e} -out-longitudinal-cross term and other model independent features of the two-particle HBT correlation function. Nuclear Physics A, 1995, 590, 449-452.	1.5	8
198	Electromagnetic fingerprints of the Little Bang. Nuclear Physics A, 2014, 932, 310-317.	1.5	8

#	ARTICLE	IF	CITATIONS
199	Interferometric signatures of the temperature dependence of the specific shear viscosity in heavy-ion collisions. <i>Physical Review C</i> , 2015, 91, .	2.9	8
200	Hanbury-Brownâ€Twiss correlation functions and radii from event-by-event hydrodynamics. <i>Physical Review C</i> , 2018, 98, .	2.9	8
201	Heinz responds. <i>Physical Review Letters</i> , 1986, 56, 94-94.	7.8	7
202	Non-equilibrium dynamics in finite-temperature QCD. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989, 158, 111-124.	2.6	7
203	Photon Hanbury-Brownâ€Twiss interferometry for noncentral heavy-ion collisions. <i>Physical Review C</i> , 2009, 80, .	2.9	7
204	Hydrodynamic generators in relativistic kinetic theory. <i>Physical Review C</i> , 2020, 101, .	2.9	7
205	Anisotropic fluid dynamical simulations of heavy-ion collisions. <i>Computer Physics Communications</i> , 2021, 267, 108077.	7.5	7
206	Entropy production by resonance decays. <i>Physical Review C</i> , 1996, 54, 3199-3211.	2.9	6
207	Remarks on "Relativistic kinetic equations for electromagnetic, scalar, and pseudoscalar interactions". <i>Physical Review D</i> , 1996, 54, 4175-4176.	4.7	6
208	Resolving the space-time structure of sonoluminescence by intensity interferometry. <i>Physical Review E</i> , 1998, 58, 526-531.	2.1	6
209	Quarkâ€gluon soup â€ The perfectly liquid phase of QCD. <i>International Journal of Modern Physics A</i> , 2015, 30, 1530011.	1.5	6
210	Elliptic flow from partially thermalized heavy-ion collisions. <i>Nuclear Physics A</i> , 2003, 715, 649c-652c.	1.5	5
211	A resummed method of moments for the relativistic hydrodynamic expansion. <i>Nuclear Physics A</i> , 2019, 982, 919-922.	1.5	5
212	Efficient emulation of relativistic heavy ion collisions with transfer learning. <i>Physical Review C</i> , 2022, 105, .	2.9	5
213	Can the energy dependence of elliptic flow reveal the QGP phase transition?. <i>Nuclear Physics A</i> , 2009, 830, 287c-290c.	1.5	4
214	200 A GeV Au+Au Collisions Serve a Nearly Perfect Quark-Gluon Liquid. , 0, .		4
215	Explicit expression for the effective potential for massive three-dimensional $O(N)$ theories. <i>Physical Review D</i> , 1982, 25, 2717-2720.	4.7	3
216	Hydrodynamic emission of strange and non-strange particles at RHIC and LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, S251-S256.	3.6	3

#	ARTICLE	IF	CITATIONS
217	Viscous Flow in Heavy-Ion Collisions from RHIC to LHC. Nuclear Physics A, 2013, 904-905, 361c-364c.	1.5	3
218	Observable consequences of event-by-event fluctuations of HBT radii. Nuclear Physics A, 2016, 956, 381-384.	1.5	3
219	Hadron spectra and collective flow in 200 A GeV S + S collisions. Progress in Particle and Nuclear Physics, 1993, 30, 401-402.	14.4	2
220	Gauge Invariance of Resummation Schemes: The QCD Partition Function. Annals of Physics, 1997, 261, 1-36.	2.8	2
221	Effect of jet quenching on hydrodynamical evolution of QGP. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S689-S692.	3.6	2
222	Two-particle correlations in the wave function and covariant current approaches. Physics of Atomic Nuclei, 2008, 71, 1632-1646.	0.4	2
223	Systematics of parton-medium interaction from RHIC to LHC. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124089.	3.6	2
224	Thermalization & hydrodynamics in Bjorken & Gubser flows. Nuclear Physics A, 2019, 982, 287-290.	1.5	2
225	Prehydrodynamic evolution and its impact on quark-gluon plasma signatures. Physical Review C, 2022, 105, .	2.9	2
226	Damping of QCD plasma oscillations in the Coulomb gauge. Physica A: Statistical Mechanics and Its Applications, 1989, 158, 189-191.	2.6	1
227	On the kinetic theory of rarefied gas suspensions. Journal of Chemical Physics, 1998, 108, 3694-3708.	3.0	1
228	Fitted HBT radii versus space-time variances in flow-dominated models. Brazilian Journal of Physics, 2007, 37, 903-914.	1.4	1
229	Hadronic dissipative effects on transverse dynamics at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104124.	3.6	1
230	Exploring evolution of anisotropy with electromagnetic radiation. Indian Journal of Physics, 2010, 84, 1795-1799.	1.8	1
231	Viscous anisotropic hydrodynamics for the Gubser flow. Nuclear Physics A, 2017, 967, 413-416.	1.5	1
232	Bulk viscous effects on flow and dilepton radiation in a hybrid approach. Nuclear Physics A, 2017, 967, 692-695.	1.5	1
233	Viscous hydrodynamics for nonconformal anisotropic fluids. Nuclear Physics A, 2019, 982, 915-918.	1.5	1
234	Criterion for the applicability of standard thermodynamics in heavy ion collisions. Physical Review C, 1993, 48, R530-R534.	2.9	0

#	ARTICLE	IF	CITATIONS
235	Hochschulrektorenkonferenz: Evaluation soll die Qualität der Lehre verbessern//DPCâ€Stellungnahme zum Atomteststoppvertrag/FuEâ€Aufwendungen der Wirtschaft weiter steigend/USA: Clintons Abschiedsgeschenk/Informationstechnologie ohne DOE?/Livermore will NIF retten/Steuerbegâ€4nstigte Neutronenquelle/USâ€Army fâ€rdert Quantenteleportation/Clinton fâ€r sicheres Internet/Erfinder der blauen LED geht in die USA/Synchrotronstrahlungsquelle kommt nach Oxford/Frankreich: â€Die franzâ€sische Wissenschaft weicht nicht zurâ€ck. Physik Journal, 2000, 56, 6-18.	0.1	0
236	Quarkâ€“Gluon Soup â€” The Perfectly Liquid Phase of QCD. , 2015, , 413-434.		0
237	Optimized fluid dynamics for heavy ion collisions. Nuclear Physics A, 2017, 967, 433-436.	1.5	0
238	JETSCAPE Collaboration. Nuclear Physics A, 2021, 1005, 122091.	1.5	0