

Marcus Bleicher

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364
papers

9,872
citations

48
h-index

88
g-index

407
ext. papers

10,968
ext. citations

2.6
avg. IF

6.4
L-index

#	Paper	IF	Citations
364	Microscopic models for ultrarelativistic heavy ion collisions. <i>Progress in Particle and Nuclear Physics</i> , 1998 , 41, 255-369	10.6	1302
363	Relativistic hadron-hadron collisions in the ultra-relativistic quantum molecular dynamics model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999 , 25, 1859-1896	2.9	1060
362	Fully integrated transport approach to heavy ion reactions with an intermediate hydrodynamic stage. <i>Physical Review C</i> , 2008 , 78,	2.7	256
361	Heavy-ion collisions at the LHC last call for predictions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 054001	2.9	235
360	Signatures in the Planck regime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 575, 85-99	4.2	232
359	Event-by-event simulation of the three-dimensional hydrodynamic evolution from flux tube initial conditions in ultrarelativistic heavy ion collisions. <i>Physical Review C</i> , 2010 , 82,	2.7	193
358	Strangeness dynamics and transverse pressure in relativistic nucleus-nucleus collisions. <i>Physical Review C</i> , 2004 , 69,	2.7	145
357	Hadron formation in relativistic nuclear collisions and the QCD phase diagram. <i>Physical Review Letters</i> , 2013 , 111, 082302	7.4	130
356	Strange resonance production: probing chemical and thermal freeze-out in relativistic heavy ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 530, 81-87	4.2	112
355	Hypernuclei, dibaryon and antinuclei production in high energy heavy ion collisions: Thermal production vs. coalescence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 85-91	4.2	106
354	Anisotropic flow in ultra-relativistic heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 309-314	4.2	97
353	Evidence for flow from hydrodynamic simulations of p-Pb collisions at 5.02 TeV from v_2 mass splitting. <i>Physical Review Letters</i> , 2014 , 112, 232301	7.4	96
352	Estimation of the shear viscosity at finite net-baryon density from A+A collision data at $\sqrt{s_{NN}}=7.7$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	93
351	Jets, bulk matter, and their interaction in heavy ion collisions at several TeV. <i>Physical Review C</i> , 2012 , 85,	2.7	91
350	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	2.7	87
349	Last call for RHIC predictions. <i>Nuclear Physics A</i> , 1999 , 661, 205-260	1.3	87
348	Numerical magneto-hydrodynamics for relativistic nuclear collisions. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	84

347	A 3+1 dimensional viscous hydrodynamic code for relativistic heavy ion collisions. <i>Computer Physics Communications</i> , 2014 , 185, 3016-3027	4.2	83
346	Nonequilibrium chiral fluid dynamics including dissipation and noise. <i>Physical Review C</i> , 2011 , 84,	2.7	83
345	Local equilibrium in heavy ion collisions: Microscopic model versus statistical model analysis. <i>Physical Review C</i> , 1999 , 60,	2.7	81
344	Probing the equation of state with pions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, 151-164	2.7	80
343	Nonthermal p/π ratio at LHC as a consequence of hadronic final state interactions. <i>Physical Review Letters</i> , 2013 , 110, 042501	7.4	77
342	Black hole remnants at the LHC. <i>Journal of High Energy Physics</i> , 2005 , 2005, 053-053	5.4	74
341	Event-by-event fluctuations of the charged particle ratio from nonequilibrium transport theory. <i>Physical Review C</i> , 2000 , 62,	2.7	74
340	Physics on the smallest scales: an introduction to minimal length phenomenology. <i>European Journal of Physics</i> , 2012 , 33, 853-862	0.8	73
339	Probing the density dependence of the symmetry potential at low and high densities. <i>Physical Review C</i> , 2005 , 72,	2.7	69
338	Hadronic freeze-out following a first order hadronization phase transition in ultrarelativistic heavy-ion collisions. <i>Physical Review C</i> , 1999 , 60,	2.7	68
337	Strangeness enhancement in heavy ion collisions [Evidence for quark-gluon matter?]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 471, 89-96	4.2	66
336	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	4.2	64
335	(3+1)-dimensional hydrodynamic expansion with a critical point from realistic initial conditions. <i>Physical Review C</i> , 2008 , 77,	2.7	63
334	Quasistable black holes at the Large Hadron Collider. <i>Physical Review D</i> , 2002 , 66,	4.9	63
333	Directed and elliptic flow in heavy-ion collisions from Ebeam=90 MeV/nucleon to Ec.m.=200 GeV/nucleon. <i>Physical Review C</i> , 2006 , 74,	2.7	61
332	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,	2.7	60
331	Can momentum correlations prove kinetic equilibration in heavy ion collisions at 160 AGeV?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 435, 9-12	4.2	58
330	Centrality dependence of hadronization and chemical freeze-out conditions in heavy ion collisions at sNN=2.76 TeV. <i>Physical Review C</i> , 2014 , 90,	2.7	54

329	Chiral fluid dynamics with explicit propagation of the Polyakov loop. <i>Physical Review C</i> , 2013 , 87,	2.7	54
328	Medium modifications of the nucleon-nucleon elastic cross section in neutron-rich intermediate energy HICs. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, 407-415	2.9	54
327	Modeling J/ψ production and absorption in a microscopic nonequilibrium approach. <i>Physical Review C</i> , 1999 , 60,	2.7	54
326	Hydrodynamics with a chiral hadronic equation of state including quark degrees of freedom. <i>Physical Review C</i> , 2010 , 81,	2.7	53
325	Local thermodynamical equilibrium and the equation of state of hot, dense matter created in Au+Au collisions at AGS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 379-387	4.2	53
324	Elliptic flow analysis in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$: Fluctuations vs non-flow effects. <i>Physical Review C</i> , 2005 , 72,	2.7	53
323	Transport theories for heavy-ion collisions in the 1AGeV regime. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, S741-S757	2.9	52
322	Probing the density dependence of the symmetry potential in intermediate-energy heavy ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, 1359-1374	2.9	52
321	Direct emission of multiple strange baryons in ultrarelativistic heavy-ion collisions from the phase boundary. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 460, 411-416	4.2	52
320	Local thermal and chemical equilibration and the equation of state in relativistic heavy ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999 , 25, 351-361	2.9	51
319	Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 241-246	4.2	49
318	Examination of directed flow as a signal for a phase transition in relativistic nuclear collisions. <i>Physical Review C</i> , 2014 , 89,	2.7	48
317	Dynamics and freeze-out of hadron resonances at RHIC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, S111-S118	2.9	48
316	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	4.2	47
315	Formation of hypermatter and hypernuclei within transport models in relativistic ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 7-14	4.2	45
314	Collisional processes of on-shell and off-shell heavy quarks in vacuum and in the quark-gluon plasma. <i>Physical Review C</i> , 2014 , 89,	2.7	45
313	Evidence for hydrodynamic evolution in proton-proton scattering at 900 GeV. <i>Physical Review C</i> , 2011 , 83,	2.7	45
312	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	4.2	45

311	Hadronization and hadronic freeze-out in relativistic nuclear collisions. <i>Physical Review C</i> , 2012 , 85,	2.7	44
310	Eccentricity fluctuations in an integrated hybrid approach: Influence on elliptic flow. <i>Physical Review C</i> , 2010 , 81,	2.7	42
309	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	4.2	41
308	The effect of 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	4.2	41
307	Particle number fluctuations in high-energy nucleus-nucleus collisions from microscopic transport approaches. <i>Physical Review C</i> , 2006 , 73,	2.7	41
306	Statistical mechanics of colored objects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 161-171	4.2	40
305	Formation of droplets with high baryon density at the QCD phase transition in expanding matter. <i>Nuclear Physics A</i> , 2014 , 925, 14-24	1.3	39
304	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	4.2	39
303	Hydrodynamics at large baryon densities: Understanding proton versus anti-proton v_2 and other puzzles. <i>Physical Review C</i> , 2012 , 86,	2.7	39
302	Sub-threshold Ξ production by high mass resonances with UrQMD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 015104	2.9	39
301	Dilepton production and reaction dynamics in heavy-ion collisions at SIS energies from coarse-grained transport simulations. <i>Physical Review C</i> , 2015 , 92,	2.7	38
300	Microscopic models and effective equation of state in nuclear collisions in the vicinity of $\sqrt{s_{NN}}=30$ A GeV at the GSI Facility for Antiproton and Ion Research (FAIR) and beyond. <i>Physical Review C</i> , 2008 , 78,	2.7	38
299	Production of spectator hypermatter in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2011 , 84,	2.7	37
298	Deep sub-threshold Λ and $\bar{\Lambda}$ production in nuclear collisions with the UrQMD transport model. <i>Physical Review C</i> , 2014 , 90,	2.7	36
297	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	2.9	36
296	Deuteron production from phase-space coalescence in the UrQMD approach. <i>Physical Review C</i> , 2019 , 99,	2.7	35
295	Λ polarization in peripheral collisions at moderately relativistic energies. <i>Physical Review C</i> , 2016 , 94,	2.7	35
294	Neutrino oscillations as a novel probe for a minimal length. <i>Classical and Quantum Gravity</i> , 2011 , 28, 235019	2.9	35

293	Ideal hydrodynamics and elliptic flow at CERN Super Proton Synchrotron (SPS) energies: Importance of the initial conditions. <i>Physical Review C</i> , 2009 , 79,	2.7	35
292	Fluctuations and inhomogenities of energy density and isospin in Pb+Pb at the SPS. <i>Nuclear Physics A</i> , 1998 , 638, 391c-394c	1.3	35
291	Model dependence of lateral distribution functions of high energy cosmic ray air showers. <i>Astroparticle Physics</i> , 2004 , 21, 87-94	2.4	34
290	Vorticity in peripheral collisions at the Facility for Antiproton and Ion Research and at the JINR Nuclotron-based Ion Collider fAcility. <i>Physical Review C</i> , 2014 , 90,	2.7	33
289	Net-baryon-, net-proton-, and net-charge kurtosis in heavy-ion collisions within a relativistic transport approach. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	33
288	Production and evolution path of dileptons at energies accessible to the HADES detector. <i>Physical Review C</i> , 2009 , 79,	2.7	33
287	Microscopic calculations of stopping, flow and electromagnetic radiation from 160AMeV to 160AGeV. <i>Nuclear Physics A</i> , 1996 , 610, 116-123	1.3	33
286	System size and energy dependence of dilepton production in heavy-ion collisions at 1-2 GeV/nucleon energies. <i>Physical Review C</i> , 2013 , 87,	2.7	32
285	Are We Close to an Equilibrated Quark-Gluon Plasma? Nonequilibrium Analysis of Particle Production in Ultrarelativistic Heavy Ion Collisions. <i>Physical Review Letters</i> , 1998 , 81, 4092-4095	7.4	32
284	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. <i>Physical Review C</i> , 2016 , 94,	2.7	31
283	In silico analysis of cell cycle synchronisation effects in radiotherapy of tumour spheroids. <i>PLoS Computational Biology</i> , 2013 , 9, e1003295	5	31
282	Charged-particle (pseudo-)rapidity distributions in p+p/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. <i>Physical Review C</i> , 2009 , 79,	2.7	31
281	Strangeness fluctuations and MEMO production at FAIR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 676, 126-131	4.2	31
280	Probing hadronization and freeze-out with multiple strange hadrons and strange resonances. <i>Nuclear Physics A</i> , 2003 , 715, 85c-94c	1.3	31
279	Anomalous hydrodynamics kicks neutron stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 170-174	4.2	31
278	Event-by-event fluctuations and the QGP. <i>Nuclear Physics A</i> , 2002 , 698, 261-268	1.3	30
277	Overpopulation of Omega; in pp collisions: a way to distinguish statistical hadronization from string dynamics. <i>Physical Review Letters</i> , 2002 , 88, 202501	7.4	27
276	Examination of scaling of Hanbury-Brown-Twiss radii with charged particle multiplicity. <i>Physical Review C</i> , 2012 , 85,	2.7	26

275	Magnetic fields in heavy ion collisions: flow and charge transport. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	25
274	Mechanisms for the production of hypernuclei beyond the neutron and proton drip lines. <i>Physical Review C</i> , 2013 , 88,	2.7	25
273	The $\langle m_T \rangle$ excitation function: freeze-out and equation of state dependence. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009 , 36, 055104	2.9	25
272	Large extra dimensions and small black holes at the LHC. <i>Journal of Physics: Conference Series</i> , 2010 , 237, 012008	0.3	25
271	Constraints on models for proton-proton scattering from multistrange baryon data. <i>Physical Review D</i> , 2003 , 67,	4.9	25
270	Equation of state of resonance-rich matter in the central cell in heavy-ion collisions at $s=200$ A GeV. <i>Physical Review C</i> , 2001 , 63,	2.7	24
269	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	1.2	23
268	Formation of hypernuclei in heavy-ion collisions around the threshold energies. <i>Physical Review C</i> , 2017 , 95,	2.7	23
267	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	2.9	23
266	Black holes at LHC?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, S535-S542	2.9	23
265	A micro-canonical description of hadron production in proton-proton collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, S589-S594	2.9	23
264	Local equilibrium in heavy-ion collisions: Microscopic analysis of a central cell versus infinite matter. <i>Physical Review C</i> , 2000 , 62,	2.7	23
263	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. <i>Physical Review C</i> , 2016 , 93,	2.7	22
262	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	4.2	22
261	Coarse-graining approach for dilepton production at energies available at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , 2015 , 91,	2.7	22
260	Dimuon radiation at relativistic energies available at the CERN Super Proton Synchrotron within a (3 + 1)D hydrodynamic + cascade model. <i>Physical Review C</i> , 2011 , 84,	2.7	21
259	A microscopic calculation of secondary Drell-Yan production in heavy ion collisions. <i>European Physical Journal C</i> , 1998 , 5, 349-355	4.2	21
258	Ultrarelativistic quantum molecular dynamics calculations of two-pion Hanbury-Brown-Twiss correlations in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2012 , 85,	2.7	20

- 257 Sub-threshold charm production in nuclear collisions. *Physical Review C*, **2017**, 95, 2.7 19
- 256 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 2.9 19
- 255 Core-corona separation in the UrQMD hybrid model. *Physical Review C*, **2011**, 84, 2.7 19
- 254 Black hole relics in large extra dimensions. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 566, 233-239 4.2 19
- 253 Enhanced strange particle yields - signal of a phase of massless particles?. *Journal of Physics G: Nuclear and Particle Physics*, **2001**, 27, 449-457 2.9 19
- 252 Critical review of quark gluon plasma signatures. *Progress in Particle and Nuclear Physics*, **1999**, 42, 279-293.6 19
- 251 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 10.6 19
- 250 Antibaryons in massive heavy ion reactions: Importance of potentials. *Physical Review C*, **1996**, 53, 2011-2013 19
- 249 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 2.9 19
- 248 Resonances as a possible observable of hot and dense nuclear matter. *Journal of Physics G: Nuclear and Particle Physics*, **2010**, 37, 094046 2.9 18
- 247 Centrality and system size dependence of (multi-strange) hyperons at 40A and 158A GeV: A comparison between a binary collision model and a Boltzmann + hydrodynamic hybrid model. *Physical Review C*, **2009**, 80, 2.7 18
- 246 A model comparison of resonance lifetime modifications, a soft equation of state and non-Gaussian effects on $\langle \tau \rangle$ correlations at FAIR/AGS energies. *Journal of Physics G: Nuclear and Particle Physics*, **2009**, 36, 015111 2.9 18
- 245 Shape analysis of strongly interacting systems: the heavy ion case. *New Journal of Physics*, **2011**, 13, 065006 18
- 244 First order calculation of the inclusive cross section $pp \rightarrow ZZ$ by graviton exchange in large extra dimensions. *Physical Review D*, **2007**, 76, 4.9 18
- 243 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 4.2 18
- 242 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 18
- 241 Spatio-Temporal Dynamics of Hypoxia during Radiotherapy. *PLoS ONE*, **2015**, 10, e0133357 3.7 17
- 240 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 4.2 17

239	Comparative study of dose distributions and cell survival fractions for 1H, 4He, 12C and 16O beams using Geant4 and Microdosimetric Kinetic model. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3313-31	3.8	16
238	Influence of the hadronic phase on observables in ultrarelativistic heavy ion collisions. <i>Physical Review C</i> , 2017 , 95,	2.7	16
237	Extraction of the sound velocity from rapidity spectra: Evidence for QGP formation at FAIR/RHIC-BES energies. <i>European Physical Journal A</i> , 2012 , 48, 1	2.5	16
236	How sensitive are di-leptons from Υ mesons to the high baryon density region?. <i>Physical Review C</i> , 2008 , 78,	2.7	16
235	Searching for the critical point of QCD: Theoretical benchmark calculations. <i>Physical Review C</i> , 2007 , 76,	2.7	16
234	Enhanced event-by-event fluctuations in pion multiplicity as a signal of disoriented chiral condensates in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2000 , 62,	2.7	16
233	Distinguishing hadronic cascades from hydrodynamic models in Pb(160A GeV)+Pb reactions by impact parameter variation. <i>Physical Review C</i> , 1999 , 59, R1844-R1845	2.7	16
232	The origin of transverse flow at the SPS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 227-232	4.2	16
231	Photon and dilepton production at the Facility for Antiproton and Ion Research and beam-energy scan at the Relativistic Heavy-Ion Collider using coarse-grained microscopic transport simulations. <i>Physical Review C</i> , 2016 , 93,	2.7	15
230	Production of hypernuclei in peripheral collisions of relativistic ions. <i>Nuclear Physics A</i> , 2012 , 881, 228-239,	3	15
229	Microdosimetry of radiation field from a therapeutic 12C beam in water: A study with Geant4 toolkit. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 310, 37-53	1.2	15
228	Net-proton-number kurtosis and skewness in nuclear collisions: Influence of deuteron formation. <i>Physical Review C</i> , 2015 , 92,	2.7	15
227	Hybrid model calculations of direct photons in high-energy nuclear collisions. <i>Physical Review C</i> , 2010 , 81,	2.7	15
226	Transport model study of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 395-399	4.2	15
225	Event-by-event analysis of baryon-strangeness correlations: Pinning down the critical temperature and volume of quark-gluon-plasma formation. <i>Physical Review C</i> , 2006 , 73,	2.7	15
224	Microcanonical hadron production in pp collisions. <i>Physical Review C</i> , 2004 , 69,	2.7	15
223	Correspondence between Hanbury-Brown-Twiss radii and the emission zone in noncentral heavy ion collisions. <i>Physical Review C</i> , 2011 , 84,	2.7	14
222	. <i>Acta Physica Polonica B</i> , 2012 , 43, 731	1.9	14

221	Elliptic flow analysis at RHIC with the LeeYang zeros method in a relativistic transport approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, 2181-2186	2.9	14
220	Universal transition curve in pseudorapidity distribution. <i>Physical Review C</i> , 2004 , 69,	2.7	14
219	Nonequilibrium models of relativistic heavy-ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, S929-S942	2.9	14
218	Analysis of reaction dynamics at ultrarelativistic energies in a combined parton-hadron transport approach. <i>Physical Review C</i> , 1999 , 60,	2.7	14
217	Heavy baryonic resonances, multistrange hadrons, and equilibration at energies available at the GSI Schwerionensynchrotron, SIS18. <i>Physical Review C</i> , 2016 , 93,	2.7	13
216	Charmonium production in antiproton-nucleus reactions at low energies. <i>Physical Review C</i> , 2013 , 87,	2.7	13
215	Forward-Backward Charge Fluctuations at RHIC Energies. <i>Nuclear Physics A</i> , 2007 , 785, 253-256	1.3	13
214	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	4.2	13
213	Reconstructing \bar{D} and \bar{D}_s mesons from nonleptonic decays in C+C collisions at 2 GeV/nucleon in transport model calculations. <i>Physical Review C</i> , 2006 , 74,	2.7	13
212	Detecting quark gluon plasma with charge transfer fluctuations. <i>Physical Review C</i> , 2006 , 73,	2.7	13
211	Transport model analysis of particle correlations in relativistic heavy ion collisions at femtometer scales. <i>Physical Review C</i> , 2006 , 73,	2.7	13
210	Transverse pressure and strangeness dynamics in relativistic heavy-ion reactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, S709-S716	2.9	13
209	Nonthermal direct photons in Pb+Pb at 160A GeV from microscopic transport theory. <i>Physical Review C</i> , 1998 , 57, 3271-3275	2.7	13
208	Deuterons and space-momentum correlations in high energy nuclear collisions. <i>Physical Review C</i> , 1999 , 60,	2.7	13
207	Theoretical analysis of dilepton spectra in heavy ion collisions at GSI-FAIR energies. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006 , 27, 451-458		12
206	Strangeness dynamics in relativistic nucleus-nucleus collisions. <i>Progress in Particle and Nuclear Physics</i> , 2004 , 53, 225-237	10.6	12
205	Event-by-event fluctuations and the QGP. <i>Nuclear Physics A</i> , 2002 , 702, 291-298	1.3	12
204	Phasespace structure of antideuteron production in heavy ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 361, 10-13	4.2	12

203	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	2.9	11
202	Formation of hypernuclei in evaporation and fission processes. <i>Physical Review C</i> , 2016 , 94,	2.7	11
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