

Horst StÄjcker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3967229/publications.pdf>

Version: 2024-02-01

174
papers

26,189
citations

50170

46
h-index

5806

161
g-index

174
all docs

174
docs citations

174
times ranked

19440
citing authors

#	ARTICLE	IF	CITATIONS
1	Geant4—a simulation toolkit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 506, 250-303.	0.7	17,893
2	High energy heavy ion collisions—probing the equation of state of highly excited hadronic matter. Physics Reports, 1986, 137, 277-392.	10.3	933
3	Poincaré invariant Hamiltonian dynamics: Modelling multi-hadronic interactions in a phase space approach. Annals of Physics, 1989, 192, 266-306.	1.0	399
4	Importance of Momentum-Dependent Interactions for the Extraction of the Nuclear Equation of State from High-Energy Heavy-Ion Collisions. Physical Review Letters, 1987, 58, 1926-1929.	2.9	388
5	Fully integrated transport approach to heavy ion reactions with an intermediate hydrodynamic stage. Physical Review C, 2008, 78, .	1.1	309
6	Separation of strangeness from antistrangeness in the phase transition from quark to hadron matter: Possible formation of strange quark matter in heavy-ion collisions. Physical Review Letters, 1987, 58, 1825-1828.	2.9	253
7	Signatures of Quark-Hadron Phase Transitions in General-Relativistic Neutron-Star Mergers. Physical Review Letters, 2019, 122, 061101.	2.9	248
8	Has the QCD Critical Point Been Signaled by Observations at the BNL Relativistic Heavy Ion Collider?. Physical Review Letters, 2007, 98, 092301.	2.9	225
9	Damping scales of neutralino cold dark matter. Physical Review D, 2001, 64, .	1.6	224
10	Collective Sideward Flow of Nuclear Matter in Violent High-Energy Heavy-Ion Collisions. Physical Review Letters, 1980, 44, 725-728.	2.9	219
11	Strange hadronic matter. Physical Review Letters, 1993, 71, 1328-1331.	2.9	206
12	Perturbative QCD Calculations of Elliptic Flow and Shear Viscosity in $Au+Au$ Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2008, 101, 082302.	2.9	153
13	Possibility of Detecting Density Isomers in High-Density Nuclear Mach Shock Waves. Physical Review Letters, 1976, 36, 88-91.	2.9	147
14	Creation of strange-quark-matter droplets as a unique signature for quark-gluon plasma formation in relativistic heavy-ion collisions. Physical Review D, 1988, 38, 2797-2807.	1.6	136
15	van der Waals Interactions in Hadron Resonance Gas: From Nuclear Matter to Lattice QCD. Physical Review Letters, 2017, 118, 182301.	2.9	132
16	Metastable exotic multihypernuclear objects. Physical Review C, 1992, 46, 322-329.	1.1	131
17	Phase Transition to Hyperon Matter in Neutron Stars. Physical Review Letters, 2002, 89, 171101.	2.9	123
18	Rotational properties of hypermassive neutron stars from binary mergers. Physical Review D, 2017, 96, .	1.6	122

#	ARTICLE	IF	CITATIONS
19	The quantum statistical model of fragment formation: Entropy and temperature extraction in heavy ion collisions. Nuclear Physics A, 1988, 476, 718-772.	0.6	118
20	An equation-of-state-meter of quantum chromodynamics transition from deep learning. Nature Communications, 2018, 9, 210.	5.8	118
21	Distillation and survival of strange-quark-matter droplets in ultrarelativistic heavy-ion collisions. Physical Review D, 1991, 44, 3517-3529.	1.6	106
22	Anisotropic flow in ultra-relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 309-314.	1.5	102
23	Organotypic slice cultures of human glioblastoma reveal different susceptibilities to treatments. Neuro-Oncology, 2013, 15, 670-681.	0.6	96
24	The phase transition to the quark-gluon plasma and its effect on hydrodynamic flow. Acta Physica Hungarica A Heavy Ion Physics, 1995, 1, 309-322.	0.4	96
25	Further evidence for a stiff nuclear equation of state from a transverse-momentum analysis of Ar(1800 MeV/nucleon) + KCl. Physical Review C, 1985, 32, 346-348.	1.1	95
26	Prospects of intermediate energy nuclear collisions. Nuclear Physics A, 1983, 400, 63-93.	0.6	93
27	Probing the equation of state with pions. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 151-164.	1.4	88
28	Stopping power, equilibration, and collective flow in the reactions Ar + Pb and Nb + Nb $\hat{=}$ A theoretical analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 162, 47-54.	1.5	85
29	Longitudinal momentum transfer and the nucleon's mean free path in medium energy heavy ion collisions - TDHF versus Vlasov-Uehling-Uhlenbeck theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 163, 59-65.	1.5	76
30	Probing the density dependence of the symmetry potential at low and high densities. Physical Review C, 2005, 72, .	1.1	74
31	Kaon effective mass and energy in dense nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 268-274.	1.5	73
32	Detectability of strange matter in heavy ion experiments. Physical Review C, 1997, 55, 3038-3046.	1.1	69
33	Disappearance of flow. Physical Review C, 1995, 51, 3320-3325.	1.1	66
34	Quasistable black holes at the Large Hadron Collider. Physical Review D, 2002, 66, .	1.6	66
35	Repulsive baryonic interactions and lattice QCD observables at imaginary chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 71-78.	1.5	66
36	On the possibility of detecting density isomers in high energy heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 81, 303-307.	1.5	64

#	ARTICLE	IF	CITATIONS
37	Examination of directed flow as a signature of the softest point of the equation of state in QCD matter. <i>Physical Review C</i> , 2016, 94, .	1.1	63
38	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.	1.4	59
39	Pion bremsstrahlung and critical phenomena in relativistic nuclear collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 93, 243-246.	1.5	57
40	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.	1.4	56
41	Multiplicity dependence of light nuclei production at LHC energies in the canonical statistical model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 171-174.	1.5	56
42	Temperatures in heavy-ion collisions from pion multiplicities. <i>Nuclear Physics A</i> , 1986, 452, 723-737.	0.6	55
43	Elliptic flow analysis in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV: Fluctuations vs non-flow effects. <i>Physical Review C</i> , 2005, 72, .	1.1	55
44	Evolution of 4π observables in the Vlasov-Uehling-Uhlenbeck theory and the transverse momentum transfer as a barometer for hadronic matter. <i>Physical Review C</i> , 1987, 36, 220-229.	1.1	54
45	Dynamics and freeze-out of hadron resonances at RHIC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, S111-S118.	1.4	50
46	Equation of state for hot QCD and compact stars from a mean-field approach. <i>Physical Review C</i> , 2020, 101, .	1.1	48
47	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.	1.5	46
48	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.	1.5	45
49	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.	1.5	45
50	Multicomponent van der Waals equation of state: Applications in nuclear and hadronic physics. <i>Physical Review C</i> , 2017, 96, .	1.1	43
51	Fragment emission in high-energy heavy-ion reactions. <i>Physical Review C</i> , 1983, 28, 2001-2012.	1.1	38
52	Non-perturbative effects in the SU(3) gluon plasma. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 278, 19-23.	1.5	38
53	Observable consequences of chemical equilibration in energetic heavy ion collisions. <i>Physical Review C</i> , 1994, 50, 2085-2095.	1.1	38
54	Model dependence of lateral distribution functions of high energy cosmic ray air showers. <i>Astroparticle Physics</i> , 2004, 21, 87-94.	1.9	38

#	ARTICLE	IF	CITATIONS
55	Cluster expansion model for QCD baryon number fluctuations: No phase transition at $\mu_B \ll T$. <i>Physical Review D</i> , 2018, 97, .		
56	Equation of state dependence of directed flow in a microscopic transport model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, 543-548.	1.5	37
57	New scenarios for hard-core interactions in a hadron resonance gas. <i>Physical Review C</i> , 2017, 95, .	1.1	34
58	Strangeness fluctuations and MEMO production at FAIR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 676, 126-131.	1.5	32
59	Concluding Remarks: Connecting Relativistic Heavy Ion Collisions and Neutron Star Mergers by the Equation of State of Dense Hadron- and Quark Matter as signalled by Gravitational Waves. <i>Journal of Physics: Conference Series</i> , 2017, 878, 012031.	0.3	32
60	Flavor-dependent eigenvolume interactions in a hadron resonance gas. <i>Nuclear Physics A</i> , 2018, 974, 22-34.	0.6	32
61	The χ^2 excitation function: freeze-out and equation of state dependence. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 055104.	1.4	31
62	Canonical transformation path to gauge theories of gravity. <i>Physical Review D</i> , 2017, 95, .	1.6	31
63	Black holes at LHC?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, S535-S542.	1.4	29
64	Surprisingly large uncertainties in temperature extraction from thermal fits to hadron yield data at LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 055103.	1.4	29
65	Probing the symmetry energy and the degree of isospin equilibrium. <i>Physical Review C</i> , 2006, 73, .	1.1	28
66	Examination of the sensitivity of the thermal fits to heavy-ion hadron yield data to the modeling of the eigenvolume interactions. <i>Physical Review C</i> , 2017, 95, .	1.1	27
67	Momentum-dependent potential and collective flows within the relativistic quantum molecular dynamics approach based on relativistic mean-field theory. <i>Physical Review C</i> , 2020, 102, .	1.1	27
68	Macroscopic nucleon-nucleon correlations caused by the bounce-off process in energetic collisions of heavy nuclei. <i>Physical Review C</i> , 1982, 25, 2482-2490.	1.1	26
69	Decay of instable Li, Be, and B fragments and the distortion of temperature measurements in heavy ion collisions. <i>Physical Review C</i> , 1987, 35, 1311-1315.	1.1	26
70	Quasi-confinement in the SU(3)-gluon plasma. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 56, 325-337.	1.5	26
71	Effects of strong color fields on baryon dynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 551, 115-120.	1.5	26
72	European Facility for Antiproton and Ion Research (FAIR): the new international center for fundamental physics and its research program. <i>Physics-Uspexhi</i> , 2012, 55, 582-602.	0.8	26

#	ARTICLE	IF	CITATIONS
73	Electromagnetic probes of a pure-gluon initial state in nucleus-nucleus collisions at energies available at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2016, 94, .	1.1	24
74	Enhancement of elliptic flow can signal a first-order phase transition in high-energy heavy-ion collisions. <i>European Physical Journal A</i> , 2018, 54, 1.	1.0	24
75	Intranuclear cascade models lack dynamic flow. <i>Physical Review C</i> , 1986, 33, 867-875.	1.1	23
76	Finite resonance widths influence the thermal-model description of hadron yields. <i>Physical Review C</i> , 2018, 98, .	1.1	23
77	Critical point of nuclear matter and beam-energy dependence of net-proton number fluctuations. <i>Physical Review C</i> , 2018, 98, .	1.1	23
78	Jet propagation and Mach cones in (3+1)d ideal hydrodynamics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 104106.	1.4	22
79	Glueballs amass at the RHIC and LHC! The early quarkless first-order phase transition at $T_c = 270$ MeV from pure Yang-Mills glue plasma to Hagedorn glueball states. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 015105.	1.4	22
80	Black hole relics in large extra dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 566, 233-239.	1.5	21
81	Bose-Einstein condensation and liquid-gas phase transition in strongly interacting matter composed of Λ particles. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 125102.	1.4	21
82	Beth-Uhlenbeck approach for repulsive interactions between baryons in a hadron gas. <i>Physical Review C</i> , 2018, 97, .	1.1	21
83	Critical point fluctuations: Finite size and global charge conservation effects. <i>Physical Review C</i> , 2020, 102, .	1.1	20
84	Excluded-volume effects for a hadron gas in Yang-Mills theory. <i>Physical Review D</i> , 2017, 95, .	1.6	19
85	Hot Nuclear Matter. <i>Scientific American</i> , 1985, 252, 76-87.	1.0	18
86	Multifragmentation and dissociation in heavy ion collisions. <i>Physical Review C</i> , 1988, 37, 1048-1052.	1.1	18
87	Sensitivity of the excitation functions of collective flow to relativistic scalar and vector meson interactions in the relativistic quantum molecular dynamics model RQMD.RMF. <i>Physical Review C</i> , 2019, 100, .	1.1	18
88	Fragment yields and phase coexistence in nuclear collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 164, 265-268.	1.5	17
89	In-medium vector meson properties and low-mass dilepton production from hot hadronic matter. <i>Physical Review C</i> , 2002, 66, .	1.1	16
90	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, .	1.1	16

#	ARTICLE	IF	CITATIONS
91	Noncongruent phase transitions in strongly interacting matter within the quantum van der Waals model. <i>Physical Review C</i> , 2019, 99, .	1.1	16
92	Elliptic flow analysis at RHIC with the Lee–Yang zeros method in a relativistic transport approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 2181-2186.	1.4	15
93	The FAIR start. <i>Nuclear Physics A</i> , 2011, 855, 506-509.	0.6	15
94	Production of hypernuclei in peripheral collisions of relativistic ions. <i>Nuclear Physics A</i> , 2012, 881, 228-239.	0.6	15
95	Quadratic curvature theories formulated as covariant canonical gauge theories of gravity. <i>Physical Review D</i> , 2018, 98, .	1.6	15
96	Transport model analysis of particle correlations in relativistic heavy ion collisions at femtometer scales. <i>Physical Review C</i> , 2006, 73, .	1.1	14
97	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.	1.5	14
98	Hadron yields and fluctuations at energies available at the CERN Super Proton Synchrotron: System-size dependence from Pb + Pb to p+p collisions. <i>Physical Review C</i> , 2019, 99, .	1.1	14
99	Phase transitions and Bose-Einstein condensation in $\hat{\mu}$ -nucleon matter. <i>Physical Review C</i> , 2019, 99, .	1.1	14
100	Tissue slice cultures from humans or rodents: a new tool to evaluate biological effects of heavy ions. <i>Radiation and Environmental Biophysics</i> , 2010, 49, 457-462.	0.6	13
101	Fast dynamical evolution of a hadron resonance gas via Hagedorn states. <i>Physical Review C</i> , 2016, 94, .	1.1	13
102	Chemical freezeout in relativistic A+A collisions: is it close to the quark-gluon plasma?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1998, 24, 1777-1784.	1.4	12
103	Partonic scattering cross sections in the QCD medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 520, 233-242.	1.5	12
104	From the Dyson–Schwinger to the transport equation in the background field gauge of QCD. <i>Nuclear Physics A</i> , 2003, 714, 293-334.	0.6	12
105	Highlights of strangeness physics at FAIR. <i>Nuclear Physics A</i> , 2009, 827, 624c-629c.	0.6	12
106	The enhancement of v_4 in nuclear collisions at the highest densities signals a first-order phase transition. <i>European Physical Journal A</i> , 2018, 54, 1.	1.0	12
107	Monte Carlo approach to the excluded-volume hadron resonance gas in grand canonical and canonical ensembles. <i>Physical Review C</i> , 2018, 98, .	1.1	12
108	Phase transition in an interacting boson system at finite temperatures. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 035002.	1.4	12

#	ARTICLE	IF	CITATIONS
109	Repulsive properties of hadrons in lattice QCD data and neutron stars. <i>Physical Review C</i> , 2021, 103, .	1.1	12
110	A chiral mean-field equation-of-state in UrQMD: effects on the heavy ion compression stage. <i>European Physical Journal C</i> , 2022, 82, 1.	1.4	12
111	Time-dependent Hartree-Fock studies of superheavy molecules. <i>Physical Review C</i> , 1983, 28, 228-236.	1.1	11
112	Strangeness at the international Facility for Antiproton and Ion Research. <i>Progress in Particle and Nuclear Physics</i> , 2009, 62, 313-317.	5.6	11
113	QCD at high density: Equation of state for nuclear collisions and neutron stars. <i>Nuclear Physics A</i> , 2019, 982, 891-894.	0.6	11
114	Hagedorn bag-like model with a crossover transition meets lattice QCD. <i>Physical Review C</i> , 2019, 99, .	1.1	11
115	Traces of the nuclear liquid-gas phase transition in the analytic properties of hot QCD. <i>Physical Review C</i> , 2020, 101, .	1.1	11
116	Bose-Einstein condensation phenomenology in systems with repulsive interactions. <i>Physical Review C</i> , 2020, 102, .	1.1	11
117	Transport model analysis of the transverse momentum and rapidity dependence of pion interferometry at SPS energies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 537-548.	1.4	10
118	Pion freeze-out as seen through HBT correlations in heavy ion collisions from FAIR/AGS to RHIC energies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2037-2044.	1.4	10
119	Modeling baryonic interactions with the Clausius-type equation of state. <i>European Physical Journal A</i> , 2018, 54, 1.	1.0	10
120	Lattice-based QCD equation of state at finite baryon density: Cluster Expansion Model. <i>Nuclear Physics A</i> , 2019, 982, 859-862.	0.6	10
121	MACH CONES AND HYDRODYNAMIC FLOW: PROBING BIG BANG MATTER IN THE LABORATORY. <i>International Journal of Modern Physics E</i> , 2007, 16, 3082-3099.	0.4	9
122	QCD plasma thermalization, collective flow and extraction of shear viscosity. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 104016.	1.4	9
123	Modeling radiation effects at the tissue level. <i>European Physical Journal D</i> , 2010, 60, 171-176.	0.6	9
124	40 years of collective flow in relativistic heavy ion collisions – the barometer for primordial hot and dense QCD matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 120301.	1.4	9
125	Cumulants of the baryon number from central Au+Au collision at $\sqrt{s_{NN}}=1.23$ GeV/nucleon reveal the nuclear mean-field potentials. <i>Physical Review C</i> , 2018, 98, .	1.1	9
126	Canonical transformation path to gauge theories of gravity-II: Space-time coupling of spin-0 and spin-1 particle fields. <i>International Journal of Modern Physics E</i> , 2019, 28, 1950007.	0.4	9

#	ARTICLE	IF	CITATIONS
127	Phase diagram of $\hat{\mu}_{\pm}$ matter with a Skyrme-like scalar interaction. Physical Review C, 2021, 103, .	1.1	9
128	Mean field effects in hot compressed nuclear matter. Physical Review C, 1988, 37, 1020-1025.	1.1	8
129	Pion chemical potentials in heavy-ion collisions: relativistic quantum molecular dynamic analysis. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 461-464.	1.5	8
130	Bottom and charm production at LHC and RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 498, 163-168.	1.5	8
131	Constraints on models for the initial collision geometry in ultrarelativistic heavy ion collisions. Physical Review C, 2010, 81, .	1.1	8
132	Baryon resonances in a chiral hadronic model for the QCD equation of state. Physical Review C, 2012, 85, .	1.1	8
133	Extended canonical field theory of matter and space-time. Astronomische Nachrichten, 2015, 336, 731-738.	0.6	8
134	Statistical hadron-gas treatment of systems created in proton-proton interactions at energies available at the CERN Super Proton Synchrotron. Physical Review C, 2018, 98, .	1.1	8
135	Possible Bose-Einstein condensation of $\hat{\mu}_{\pm}$ particles in the ground state of nuclear matter. Physical Review C, 2020, 101, .	1.1	8
136	Higher order conserved charge fluctuations inside the mixed phase. Physical Review C, 2021, 103, .	1.1	8
137	Relativistic protons for image-guided stereotactic radiosurgery. Journal of Physics: Conference Series, 2012, 373, 012016.	0.3	7
138	Gravitational waves from binary compact star mergers in the context of strange matter. EPJ Web of Conferences, 2018, 171, 20004.	0.1	7
139	Nuclear interactions and net-proton number fluctuations in heavy ion collisions at the SIS18 accelerator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 40-45.	1.5	7
140	Meson mass modification in strange hadronic matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 282-290.	1.5	6
141	SIGNATURES FOR BLACK HOLE PRODUCTION FROM HADRONIC OBSERVABLES AT THE LARGE HADRON COLLIDER. International Journal of Modern Physics E, 2007, 16, 841-851.	0.4	6
142	The Facility for Antiproton and Ion Research FAIR Cosmic Matter in the Laboratory. Nuclear Physics A, 2011, 862-863, 92-97.	0.6	6
143	Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. Journal of Physics: Conference Series, 2017, 779, 012078.	0.3	6
144	POPULATION OF MULTI-QUARK STATES IN EXOTIC MULTIPLTS AND THERMALIZATION IN ULTRA-RELATIVISTIC HEAVY ION COLLISIONS. International Journal of Modern Physics E, 2008, 17, 965-1014.	0.4	5

#	ARTICLE	IF	CITATIONS
145	Classify QCD phase transition with deep learning. Nuclear Physics A, 2019, 982, 867-870.	0.6	5
146	phgr-meson production at RHIC, strong colour fields and intrinsic transverse momenta. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, L35-L41.	1.4	4
147	Particle Ratios from a Chiral SU(3) Model. Acta Physica Hungarica A Heavy Ion Physics, 2004, 21, 151-156.	0.4	4
148	An introduction to mini black holes at LHC. Brazilian Journal of Physics, 2007, 37, 836-839.	0.7	4
149	FAIR - Cosmic Matter in the Laboratory. Journal of Physics: Conference Series, 2015, 623, 012026.	0.3	4
150	Mean field model for relativistic heavy ion collisions. Zeitschrift für Physik A, Atomic Nuclei, 1987, 326, 269-277.	0.3	3
151	Early black hole signals at the LHC. AIP Conference Proceedings, 2007, , .	0.3	3
152	Neutron stars in a chiral model with finite temperature. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014060.	1.4	3
153	Anti- and Hypermatter Research at the Facility for Antiproton and Ion Research FAIR. Journal of Physics: Conference Series, 2012, 389, 012022.	0.3	3
154	Gauge theory by canonical transformations. International Journal of Modern Physics E, 2016, 25, 1642005.	0.4	3
155	High Energy Nuclear Fluid Dynamics. Physica Scripta, 1990, T32, 195-201.	1.2	2
156	Jet-induced medium excitation in heavy-ion collisions. Nuclear Physics A, 2016, 956, 605-608.	0.6	2
157	Identifying QCD Transition Using Deep Learning. EPJ Web of Conferences, 2018, 171, 16005.	0.1	2
158	Critical Fluctuations in Models with van der Waals Interactions. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 753.	0.0	2
159	Hadron production from a hadronizing quark - gluon plasma. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 2047-2050.	1.4	1
160	OBSERVABLES FROM LARGE EXTRA DIMENSIONS. International Journal of Modern Physics D, 2004, 13, 1453-1460.	0.9	1
161	Strangeness at the International Facility for Antiproton and Ion Research. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064036.	1.4	1
162	Strange and non-strange particle production in antiproton-nucleus collisions in the UrQMD model. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064049.	1.4	1

#	ARTICLE	IF	CITATIONS
163	Resonance states in an effective chiral hadronic model. Open Physics, 2012, 10, .	0.8	1
164	FAIR â€œ Cosmic matter in the laboratory. Astronomische Nachrichten, 2014, 335, 581-586.	0.6	1
165	van der Waals Interactions and Hadron Resonance Gas: Role of resonance widths modeling on conserved charges fluctuations. EPJ Web of Conferences, 2018, 171, 14006.	0.1	1
166	Topical Issue on Frontiers in Nuclear, Heavy Ion and Strong Field Physics. European Physical Journal A, 2018, 54, 1.	1.0	1
167	Covariant Hamiltonian Representation of Noetherâ€™s Theorem and Its Application to SU(N) Gauge Theories. , 2017, , 317-331.		1
168	MACH CONES AND JET ENERGY LOSS STUDIES IN FULL (3+1)DIMENSIONAL IDEAL HYDRODYNAMICS. International Journal of Modern Physics E, 2007, 16, 1957-1963.	0.4	0
169	Jet-induced medium excitations in \hat{I}^3 -hadron correlation. Nuclear and Particle Physics Proceedings, 2017, 289-290, 317-320.	0.2	0
170	In memory: Prof. Raj K. Gupta (1938â€“2019). International Journal of Modern Physics E, 2019, 28, 1977001.	0.4	0
171	PROTO-NEUTRON AND NEUTRON STARS. , 2010, , .		0
172	THE FACILITY FOR ANTIPROTON AND ION RESEARCH FAIR. , 2012, , .		0
173	Nuclear Cluster Equation of State. NATO ASI Series Series B: Physics, 1994, , 193-203.	0.2	0
174	Bose-Einstein condensation in finite drops of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ particles. Physical Review C, 2022, 106, .	1.1	0