

Amaresh Jaiswal

List of Publications by Year in descending order

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45
papers

1,277
citations

393982

19
h-index

344852

36
g-index

45
all docs

45
docs citations

45
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic fluid dynamics with spin. Physical Review C, 2018, 97, .	1.1	154
2	Relativistic dissipative hydrodynamics from kinetic theory with relaxation-time approximation. Physical Review C, 2013, 87, .	1.1	108
3	Relativistic third-order dissipative fluid dynamics from kinetic theory. Physical Review C, 2013, 88, .	1.1	101
4	Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. Advances in High Energy Physics, 2016, 2016, 1-39.	0.5	82
5	Relativistic dissipative spin dynamics in the relaxation time approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136096.	1.5	78
6	Spin-dependent distribution functions for relativistic hydrodynamics of spin- $\frac{1}{2}$ particles. Physical Review D, 2018, 97, .	1.6	76
7	Transport coefficients for bulk viscous evolution in the relaxation-time approximation. Physical Review C, 2014, 90, .	1.1	69
8	Dissipative spin dynamics in relativistic matter. Physical Review D, 2021, 103, .	1.6	55
9	Relativistic quantum transport coefficients for second-order viscous hydrodynamics. Physical Review C, 2015, 91, .	1.1	48
10	Exact solutions and attractors of higher-order viscous fluid dynamics for Bjorken flow. Physical Review C, 2019, 100, .	1.1	47
11	Relativistic viscous hydrodynamics for heavy-ion collisions: A comparison between the Chapman-Enskog and Grad methods. Physical Review C, 2014, 89, .	1.1	44
12	Relativistic second-order dissipative hydrodynamics at finite chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 548-552.	1.5	42
13	Complete relativistic second-order dissipative hydrodynamics from the entropy principle. Physical Review C, 2013, 87, .	1.1	41
14	Relativistic third-order viscous corrections to the entropy four-current from kinetic theory. Physical Review C, 2015, 91, .	1.1	40
15	Collective flow in event-by-event partonic transport plus hydrodynamics hybrid approach. Physical Review C, 2015, 92, .	1.1	30
16	Quasiparticle second-order viscous hydrodynamics from kinetic theory. Physical Review D, 2017, 95, .	1.6	28
17	New relativistic dissipative fluid dynamics from kinetic theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 347-351.	1.5	26
18	New developments in relativistic fluid dynamics with spin. European Physical Journal: Special Topics, 2021, 230, 655-672.	1.2	26

#	ARTICLE	IF	CITATIONS
19	Particle production in relativistic heavy-ion collisions: A consistent hydrodynamic approach. <i>Physical Review C</i> , 2013, 88, .	1.1	21
20	Dynamics of QCD matter " current status. <i>International Journal of Modern Physics E</i> , 2021, 30, 2130001.	0.4	20
21	Anisotropic escape mechanism and elliptic flow of bottomonia. <i>Physical Review C</i> , 2019, 100, .	1.1	18
22	Relaxation-time approximation and relativistic third-order viscous hydrodynamics from kinetic theory. <i>Nuclear Physics A</i> , 2014, 931, 1205-1210.	0.6	13
23	Extended relaxation time approximation and relativistic dissipative hydrodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 831, 137202.	1.5	12
24	Virtual photon polarization and dilepton anisotropy in relativistic nucleus-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 395-400.	1.5	10
25	Kinetic freeze-out conditions in nuclear collisions with 2A-nucleus 158A GeV beam energy within a non-boost-invariant blast-wave model. <i>Physical Review C</i> , 2018, 98, .	1.1	10
26	Boltzmann equation with a nonlocal collision term and the resultant dissipative fluid dynamics. <i>Journal of Physics: Conference Series</i> , 2013, 422, 012003.	0.3	9
27	Relaxation-time approximation with pair production and annihilation processes. <i>Physical Review C</i> , 2020, 102, .	1.1	8
28	Viscosity, nonconformal equation of state, and sound velocity in Landau hydrodynamics. <i>Physical Review C</i> , 2020, 102, .	1.1	7
29	Covariant kinetic theory and transport coefficients for Gribov plasma. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135936.	1.5	7
30	First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 085108.	1.4	7
31	Fluid Dynamics for Relativistic Spin-polarized Media. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2018, 11, 507.	0.0	6
32	Metric anisotropies and emergent anisotropic hydrodynamics. <i>Physical Review D</i> , 2018, 97, .	1.6	5
33	Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2018, 97, .	1.1	5
34	Second order relativistic viscous hydrodynamics within an effective description of hot QCD medium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 105104.	1.4	5
35	Relativistic hydrodynamics with spin. <i>Nuclear Physics A</i> , 2019, 982, 523-526.	0.6	4
36	Analytical solutions of causal relativistic hydrodynamic equations for Bjorken and Gubser flows. <i>Nuclear Physics A</i> , 2019, 982, 911-914.	0.6	4

#	ARTICLE	IF	CITATIONS
37	Fireball tomography from bottomonia elliptic flow in relativistic heavy-ion collisions. European Physical Journal C, 2021, 81, 1.	1.4	4
38	A viscous blast-wave model for heavy-ion collisions. Journal of Physics: Conference Series, 2017, 779, 012065.	0.3	2
39	Hierarchy of kinetic freeze-out parameters in low-energy heavy-ion collisions. Physical Review C, 2020, 102, .	1.1	2
40	A viscous blast-wave model for high energy heavy-ion collisions. EPJ Web of Conferences, 2016, 120, 06001.	0.1	1
41	Relativistic second-order dissipative fluid dynamics at finite chemical potential. EPJ Web of Conferences, 2016, 120, 03008.	0.1	1
42	Relativistic Third-order Viscous Hydrodynamics. Proceedings of the Indian National Science Academy, 2015, 81, .	0.5	1
43	Chemical freeze-out systematics of thermal model analysis using hadron yield ratios. Physical Review C, 2021, 103, .	1.1	0
44	Dynamics of Relativistic Spin-polarized Fluids. Acta Physica Polonica B, Proceedings Supplement, 2019, 12, 399.	0.0	0
45	Relativistic Dissipative Hydrodynamics: Effective Fugacity Quasiparticle Description. Springer Proceedings in Physics, 2020, , 441-445.	0.1	0