Amaresh Jaiswal

List of Publications by Year
in descending order

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45 papers	1,277 citations	394421 19 h-index	345221 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, .	2.9	154
2	Relativistic dissipative hydrodynamics from kinetic theory with relaxation-time approximation. Physical Review C, 2013, 87, .	2.9	108
3	Relativistic third-order dissipative fluid dynamics from kinetic theory. Physical Review C, 2013, 88, .	2.9	101
4	Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. Advances in High Energy Physics, 2016, 2016, 1-39.	1.1	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.	4.1	78
6	Spin-dependent distribution functions for relativistic hydrodynamics of spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mfrac><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:mfrac></mml:mrow></mml:math> particles. Physical Review D, 2018, 97, .	4.7	76
7	Transport coefficients for bulk viscous evolution in the relaxation-time approximation. Physical Review C, 2014, 90, .	2.9	69
8	Dissipative spin dynamics in relativistic matter. Physical Review D, 2021, 103, .	4.7	55
9	Relativistic quantum transport coefficients for second-order viscous hydrodynamics. Physical Review C, 2015, 91, .	2.9	48
10	Exact solutions and attractors of higher-order viscous fluid dynamics for Bjorken flow. Physical Review C, 2019, 100, .	2.9	47
11	Relativistic viscous hydrodynamics for heavy-ion collisions: A comparison between the Chapman-Enskog and Grad methods. Physical Review C, 2014, 89, .	2.9	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.	4.1	42
13	Complete relativistic second-order dissipative hydrodynamics from the entropy principle. Physical Review C, 2013, 87, .	2.9	41
14	Relativistic third-order viscous corrections to the entropy four-current from kinetic theory. Physical Review C, 2015, 91, .	2.9	40
15	Collective flow in event-by-event partonic transport plus hydrodynamics hybrid approach. Physical Review C, 2015, 92, .	2.9	30
16	Quasiparticle second-order viscous hydrodynamics from kinetic theory. Physical Review D, 2017, 95, .	4.7	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.	4.1	26
18	New developments in relativistic fluid dynamics with spin. European Physical Journal: Special Topics, 2021, 230, 655-672.	2.6	26

#	Article	IF	Citations
19	Particle production in relativistic heavy-ion collisions: A consistent hydrodynamic approach. Physical Review C, 2013, 88, .	2.9	21
20	Dynamics of QCD matter â€" current status. International Journal of Modern Physics E, 2021, 30, 2130001.	1.0	20
21	Anisotropic escape mechanism and elliptic flow of bottomonia. Physical Review C, 2019, 100, .	2.9	18
22	Relaxation-time approximation and relativistic third-order viscous hydrodynamics from kinetic theory. Nuclear Physics A, 2014, 931, 1205-1210.	1.5	13
23	Extended relaxation time approximation and relativistic dissipative hydrodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 831, 137202.	4.1	12
24	Virtual photon polarization and dilepton anisotropy in relativistic nucleusâ€"nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 395-400.	4.1	10
25	Kinetic freeze-out conditions in nuclear collisions with 2Aâ€"158A GeV beam energy within a non-boost-invariant blast-wave model. Physical Review C, 2018, 98, .	2.9	10
26	Boltzmann equation with a nonlocal collision term and the resultant dissipative fluid dynamics. Journal of Physics: Conference Series, 2013, 422, 012003.	0.4	9
27	Relaxation-time approximation with pair production and annihilation processes. Physical Review C, 2020, 102, .	2.9	8
28	Viscosity, nonconformal equation of state, and sound velocity in Landau hydrodynamics. Physical Review C, 2020, 102, .	2.9	7
29	Covariant kinetic theory and transport coefficients for Gribov plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135936.	4.1	7
30	First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 085108.	3.6	7
31	Fluid Dynamics for Relativistic Spin-polarized Media. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 507.	0.1	6
32	Metric anisotropies and emergent anisotropic hydrodynamics. Physical Review D, 2018, 97, .	4.7	5
33	Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. Physical Review C, 2018, 97, .	2.9	5
34	Second order relativistic viscous hydrodynamics within an effective description of hot QCD medium. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 105104.	3.6	5
35	Relativistic hydrodynamics with spin. Nuclear Physics A, 2019, 982, 523-526.	1.5	4
36	Analytical solutions of causal relativistic hydrodynamic equations for Bjorken and Gubser flows. Nuclear Physics A, 2019, 982, 911-914.	1.5	4

#	Article	IF	Citations
37	Fireball tomography from bottomonia elliptic flow in relativistic heavy-ion collisions. European Physical Journal C, 2021, 81, 1.	3.9	4
38	A viscous blast-wave model for heavy-ion collisions. Journal of Physics: Conference Series, 2017, 779, 012065.	0.4	2
39	Hierarchy of kinetic freeze-out parameters in low-energy heavy-ion collisions. Physical Review C, 2020, 102, .	2.9	2
40	A viscous blast-wave model for high energy heavy-ion collisions. EPJ Web of Conferences, 2016, 120, 06001.	0.3	1
41	Relativistic second-order dissipative fluid dynamics at finite chemical potential. EPJ Web of Conferences, 2016, 120, 03008.	0.3	1
42	Relativistic Third-order Viscous Hydrodynamics. Proceedings of the Indian National Science Academy, 2015, 81, .	1.4	1
43	Chemical freeze-out systematics of thermal model analysis using hadron yield ratios. Physical Review C, 2021, 103, .	2.9	0
44	Dynamics of Relativistic Spin-polarized Fluids. Acta Physica Polonica B, Proceedings Supplement, 2019, 12, 399.	0.1	0
45	Relativistic Dissipative Hydrodynamics: Effective Fugacity Quasiparticle Description. Springer Proceedings in Physics, 2020, , 441-445.	0.2	0