

Amaresh Jaiswal

List of Publications by Year in Descending Order

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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.

41
papers

794
citations

17
h-index

27
g-index

45
ext. papers

1,078
ext. citations

2.6
avg, IF

5.05
L-index

#	Paper	IF	Citations
41	Extended relaxation time approximation and relativistic dissipative hydrodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137202	4.2	0
40	Relativistic dissipative spin dynamics in the relaxation time approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 814, 136096	4.2	17
39	New developments in relativistic fluid dynamics with spin. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 655-672	2.3	4
38	Fireball tomography from bottomonia elliptic flow in relativistic heavy-ion collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
37	Dynamics of QCD matter [Current status]. <i>International Journal of Modern Physics E</i> , 2021 , 30, 2130001	0.7	6
36	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	2.9	0
35	Dissipative spin dynamics in relativistic matter. <i>Physical Review D</i> , 2021 , 103,	4.9	10
34	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	4.2	1
33	Relaxation-time approximation with pair production and annihilation processes. <i>Physical Review C</i> , 2020 , 102,	2.7	1
32	Relativistic Dissipative Hydrodynamics: Effective Fugacity Quasiparticle Description. <i>Springer Proceedings in Physics</i> , 2020 , 441-445	0.2	
31	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	2.9	4
30	Viscosity, nonconformal equation of state, and sound velocity in Landau hydrodynamics. <i>Physical Review C</i> , 2020 , 102,	2.7	3
29	Exact solutions and attractors of higher-order viscous fluid dynamics for Bjorken flow. <i>Physical Review C</i> , 2019 , 100,	2.7	32
28	Relativistic hydrodynamics with spin. <i>Nuclear Physics A</i> , 2019 , 982, 523-526	1.3	3
27	Analytical solutions of causal relativistic hydrodynamic equations for Bjorken and Gubser flows. <i>Nuclear Physics A</i> , 2019 , 982, 911-914	1.3	3
26	Anisotropic escape mechanism and elliptic flow of bottomonia. <i>Physical Review C</i> , 2019 , 100,	2.7	12
25	Relativistic fluid dynamics with spin. <i>Physical Review C</i> , 2018 , 97,	2.7	78

24	Metric anisotropies and emergent anisotropic hydrodynamics. <i>Physical Review D</i> , 2018 , 97,	4.9	2
23	Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2018 , 97,	2.7	5
22	Kinetic freeze-out conditions in nuclear collisions with 2A158A GeV beam energy within a non-boost-invariant blast-wave model. <i>Physical Review C</i> , 2018 , 98,	2.7	6
21	Fluid Dynamics for Relativistic Spin-polarized Media. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2018 , 11, 507	1.8	4
20	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	4.2	5
19	Spin-dependent distribution functions for relativistic hydrodynamics of spin-1/2 particles. <i>Physical Review D</i> , 2018 , 97,	4.9	34
18	Quasiparticle second-order viscous hydrodynamics from kinetic theory. <i>Physical Review D</i> , 2017 , 95,	4.9	23
17	A viscous blast-wave model for heavy-ion collisions. <i>Journal of Physics: Conference Series</i> , 2017 , 779, 012065		2
16	A viscous blast-wave model for high energy heavy-ion collisions. <i>EPJ Web of Conferences</i> , 2016 , 120, 060013		1
15	Relativistic second-order dissipative fluid dynamics at finite chemical potential. <i>EPJ Web of Conferences</i> , 2016 , 120, 03008	0.3	1
14	Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. <i>Advances in High Energy Physics</i> , 2016 , 2016, 1-39	1	51
13	Relativistic third-order viscous corrections to the entropy four-current from kinetic theory. <i>Physical Review C</i> , 2015 , 91,	2.7	31
12	Relativistic second-order dissipative hydrodynamics at finite chemical potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 548-552	4.2	32
11	Relativistic quantum transport coefficients for second-order viscous hydrodynamics. <i>Physical Review C</i> , 2015 , 91,	2.7	44
10	Collective flow in event-by-event partonic transport plus hydrodynamics hybrid approach. <i>Physical Review C</i> , 2015 , 92,	2.7	25
9	Transport coefficients for bulk viscous evolution in the relaxation-time approximation. <i>Physical Review C</i> , 2014 , 90,	2.7	53
8	Relaxation-time approximation and relativistic third-order viscous hydrodynamics from kinetic theory. <i>Nuclear Physics A</i> , 2014 , 931, 1205-1210	1.3	12
7	Relativistic viscous hydrodynamics for heavy-ion collisions: A comparison between the Chapman-Enskog and Grad methods. <i>Physical Review C</i> , 2014 , 89,	2.7	41

6	Relativistic third-order dissipative fluid dynamics from kinetic theory. <i>Physical Review C</i> , 2013 , 88,	2.7	80
5	New relativistic dissipative fluid dynamics from kinetic theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 347-351	4.2	23
4	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
3	Particle production in relativistic heavy-ion collisions: A consistent hydrodynamic approach. <i>Physical Review C</i> , 2013 , 88,	2.7	18
2	Relativistic dissipative hydrodynamics from kinetic theory with relaxation-time approximation. <i>Physical Review C</i> , 2013 , 87,	2.7	81
1	Complete relativistic second-order dissipative hydrodynamics from the entropy principle. <i>Physical Review C</i> , 2013 , 87,	2.7	35