

Azwinndini Muronga

List of Publications by Year in descending order

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16
papers

878
citations

1162367

8
h-index

1058022

14
g-index

17
all docs

17
docs citations

17
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Causal theories of dissipative relativistic fluid dynamics for nuclear collisions. Physical Review C, 2004, 69, .	1.1	253
2	Second-Order Dissipative Fluid Dynamics for Ultrarelativistic Nuclear Collisions. Physical Review Letters, 2002, 88, 062302.	2.9	211
3	Relativistic dynamics of nonideal fluids: Viscous and heat-conducting fluids. I. General aspects and $\langle \sigma \rangle = \frac{1}{3} \langle \sigma \rangle + \langle \sigma \rangle$ for nuclear collisions. Physical Review C, 2007, 76, .	1.1	95
4	Shear viscosity coefficient from microscopic models. Physical Review C, 2004, 69, .	1.1	85
5	Relativistic dynamics of non-ideal fluids: Viscous and heat-conducting fluids. II. Transport properties and microscopic description of relativistic nuclear matter. Physical Review C, 2007, 76, .	1.1	72
6	Shear viscosity and out of equilibrium dynamics. Physical Review C, 2009, 79, .	1.1	41
7	Dissipative Relativistic Fluid Dynamics for Nuclear Collisions. Acta Physica Hungarica A Heavy Ion Physics, 2002, 15, 337-347.	0.4	12
8	Hadronic ratios as a function of baryon number. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 5-9.	1.5	7
9	New developments in relativistic dissipative fluid dynamics. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094008.	1.4	7
10	Viscous hydrodynamics. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1035-S1039.	1.4	6
11	A relativistic dissipative hydrodynamic description for systems including particle number changing processes. Nuclear Physics A, 2010, 848, 428-442.	0.6	5
12	A model of COVID-19 pandemic evolution in African countries. Scientific African, 2021, 14, e00987.	0.7	3
13	Equation of state and transport coefficients of relativistic nuclear matter. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 044073.	1.4	1
14	Second Order Dissipative Fluid Dynamics and Relativistic Heavy Ion Collisions. AIP Conference Proceedings, 2004, , .	0.3	0
15	Non-equilibrium entropy density and dissipative processes in relativistic nuclear collisions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104127.	1.4	0
16	Third order viscous hydrodynamics from the entropy four current. Physical Review C, 2020, 102, .	1.1	0