Fernando G Gardim

List of Publications by Year
in descending order

29 papers	901 citations	567281 15 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	2813 citing authors

#	Article	IF	Citations
1	Mapping the hydrodynamic response to the initial geometry in heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	238
2	Breaking of factorization of two-particle correlations in hydrodynamics. Physical Review C, 2013, 87, .	2.9	89
3	Linear and cubic response to the initial eccentricity in heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	79
4	Anisotropic Flow in Event-by-Event Ideal Hydrodynamic Simulations of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow mathvariant="bold">=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo mathvariant="b. Physical Review Letters, 2012, 109, 202302.	7.8	75
5	Effects of viscosity on the mapping of initial to final state in heavy ion collisions. Physical Review C, 2015, 91, .	2.9	62
6	Directed flow at midrapidity in event-by-event hydrodynamics. Physical Review C, 2011, 83, .	2.9	55
7	Thermodynamics of hot strong-interaction matter from ultrarelativistic nuclear collisions. Nature Physics, 2020, 16, 615-619.	16.7	48
8	Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+Au collisions. Physical Review C, 2017, 95, .	2.9	30
9	Sensitivity of observables to coarse-graining size in heavy-ion collisions. Physical Review C, 2018, 97, .	2.9	28
10	Thermodynamics of quasi-particles at finite chemical potential. Nuclear Physics A, 2009, 825, 222-244.	1.5	26
11	Decomposition of fluctuating initial conditions and flow harmonics. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 015103.	3.6	21
12	Correlation between mean transverse momentum and anisotropic flow in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	21
13	Origin of trigger-angle dependence of di-hadron correlations. Physical Review C, 2013, 87, .	2.9	19
14	Hydro overview. Nuclear Physics A, 2013, 904-905, 75c-82c.	1.5	16
15	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>p</mml:mi><mml:mi>T</mml:mi></mml:msub></mml:m -dependent particle number fluctuations from principal-component analyses in hydrodynamic simulations of heavy-ion collisions. Physical Review C, 2019, 100, .	2.9	16
16	Thermodynamics of quasi-particles. Nuclear Physics A, 2007, 797, 50-66.	1.5	13
17	Effects of initial state fluctuations on the mean transverse momentum. Nuclear Physics A, 2021, 1005, 121999.	1.5	13
18	Skewness of mean transverse momentum fluctuations in heavy-ion collisions. Physical Review C, 2021, 103, .	2.9	11

#	Article	IF	Citations
19	Hydrodynamic approach to the centrality dependence of di-hadron correlations. Physical Review C, 2017, 95, .	2.9	9
20	Characterizing the hydrodynamic response to the initial conditions. Nuclear Physics A, 2013, 904-905, 503c-506c.	1.5	8
21	Effective shear and bulk viscosities for anisotropic flow. Physical Review C, 2021, 103, .	2.9	8
22	The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135749.	4.1	7
23	Fluctuating Initial Conditions and Anisotropic Flows. Progress of Theoretical Physics Supplement, 2012, 193, 319-322.	0.1	5
24	Influence of tubular initial conditions on two-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124123.	3.6	3
25	Probing the transverse size of initial inhomogeneities with flow observables. Nuclear Physics A, 2019, 982, 419-422.	1.5	1
26	THERMODYNAMICS OF QUASI-PARTICLES. International Journal of Modern Physics E, 2007, 16, 3024-3027.	1.0	0
27	Quasi-particles at finite chemical potential. , 2010, , .		0
28	Mixed Harmonic Correlations: Hydrodynamic Predictions at RHIC using Experimental Analysis Techniques. Nuclear Physics A, 2017, 967, 389-392.	1.5	0
29	p-dependent multiplicity fluctuations from PCA and initial conditions. Nuclear Physics A, 2021, 1005, 121892.	1.5	0