

Frederique Grassi

List of Publications by Year in descending order

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71
papers

1,953
citations

331670

21
h-index

243625

44
g-index

71
all docs

71
docs citations

71
times ranked

2994
citing authors

#	ARTICLE	IF	CITATIONS
19	Mapping the hydrodynamic response to the initial geometry in heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	238
20	Anisotropic Flow in Event-by-Event Ideal Hydrodynamic Simulations of $\sqrt{s} = 200$ GeV Au+Au collisions at RHIC. Physical Review Letters, 2012, 109, 202302.		
21	Fluctuating Initial Conditions and Anisotropic Flows. Progress of Theoretical Physics Supplement, 2012, 193, 319-322.	0.1	5
22	Temporal evolution of tubular initial conditions and their influence on two-particle correlations in relativistic nuclear collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 226-230.	4.1	24
23	The ridge as a shadowing effect in hydrodynamics. Physics of Particles and Nuclei Letters, 2011, 8, 947-950.	0.4	0
24	Hydrodynamics: Fluctuating initial conditions and two-particle correlations. Nuclear Physics A, 2011, 854, 81-88.	1.5	18
25	Directed flow at midrapidity in event-by-event hydrodynamics. Physical Review C, 2011, 83, .	2.9	55
26	Influence of tubular initial conditions on two-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124123.	3.6	3
27	Boost-invariant one-tube model for two-particle correlation. , 2011, , .		0
28	NeXSPheRIO results on elliptic flow and directed flow for Au+Au and Cu+Cu collisions at RHIC. Indian Journal of Physics, 2010, 84, 1657-1661.	1.8	2
29	A closer look at the influence of tubular initial conditions on two-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094043.	3.6	35
30	Topology Studies of Hydrodynamics Using Two-Particle Correlation Analysis. Physical Review Letters, 2009, 103, 242301.	7.8	178
31	NeXSPheRIO results on azimuthal anisotropy in Au+Au collisions at 200 AGeV. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064075.	3.6	0
32	NeXSPheRIO results on elliptic-flow fluctuations at RHIC. Physics of Atomic Nuclei, 2008, 71, 1558-1564.	0.4	27
33	Importance of Granular Structure in the Initial Conditions for the Elliptic Flow. Physical Review Letters, 2008, 101, 112301.	7.8	85
34	EFFECT OF CHEMICAL FREEZE OUT ON IDENTIFIED PARTICLE SPECTRA AT 200 AGeV Au+Au COLLISIONS AT RHIC USING SPheRIO. International Journal of Modern Physics E, 2007, 16, 1877-1882.	1.0	20
35	CHARGED PARTICLE RAPIDITY DISTRIBUTION, TRANSVERSE MOMENTUM DISTRIBUTION AND ELLIPTIC FLOW IN Cu+Cu COLLISIONS AT RHIC WITH NeXSPheRIO. International Journal of Modern Physics E, 2007, 16, 2970-2973.	1.0	1
36	Distribution of hyperons in 200 A GeV Au-Au in smoothed particle hydrodynamics. Brazilian Journal of Physics, 2007, 37, 767-769.	1.4	15

#	ARTICLE	IF	CITATIONS
37	Status and promise of particle interferometry in heavy-ion collisions. Brazilian Journal of Physics, 2007, 37, xxxi-xxxiv.	1.4	1
38	3D Relativistic Hydrodynamic Computations Using Lattice-QCD-Inspired Equations of State. Nuclear Physics A, 2006, 774, 169-178.	1.5	53
39	NeXSPheRIO results on elliptic flow at RHIC and connection with thermalization. European Physical Journal A, 2006, 29, 23-26.	2.5	13
40	Effects of LatticeQCD EoS and Continuous Emission on Some Observables. AIP Conference Proceedings, 2006, , .	0.4	2
41	Examining the Necessity to Include Event-By-Event Fluctuations in Experimental Evaluations of Elliptical Flow. Physical Review Letters, 2006, 97, 202302.	7.8	127
42	Collective Flow Signals the Quark&Gluon Plasma. Acta Physica Hungarica A Heavy Ion Physics, 2005, 24, 189-201.	0.4	16
43	Results on transverse mass spectra obtained with NeXSPheRIO. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1041-S1044.	3.6	18
44	Particle abundances and spectra in the hydrodynamical description of relativistic nuclear collisions with light projectiles. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 853-861.	3.6	6
45	Comparison between experimental and theoretical extraction of some observables in relativistic nuclear collisions. AIP Conference Proceedings, 2004, , .	0.4	0
46	Fluctuations of the Initial Conditions and the Continuous Emission in the Hydrodynamical Description of Two-Pion Interferometry. Physical Review Letters, 2004, 93, 182301.	7.8	96
47	Collective Flow signals the Quark Gluon Plasma. AIP Conference Proceedings, 2004, , .	0.4	1
48	Hydro Description of Two-Pion Interferometry with Fluctuations of the Initial Conditions and Continuous Particle Emission. AIP Conference Proceedings, 2004, , .	0.4	1
49	Simple Solutions of Relativistic Hydrodynamics for Longitudinally Expanding Systems. Acta Physica Hungarica A Heavy Ion Physics, 2004, 21, 53-62.	0.4	12
50	Simple Solutions of Relativistic Hydrodynamics for Cylindrically Symmetric Systems. Acta Physica Hungarica A Heavy Ion Physics, 2004, 21, 63-71.	0.4	8
51	Simple solutions of relativistic hydrodynamics for longitudinally and cylindrically expanding systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 107-115.	4.1	51
52	Do we need to incorporate separate chemical and thermal freeze-outs in hydrodynamics?. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 2029-2033.	3.6	0
53	Decoupling chemical and thermal freeze outs in hydrodynamics. Physical Review C, 2001, 64, .	2.9	15
54	Continuous emission versus freeze-out via Hanbury Brown&Twiss. Physical Review C, 2000, 62, .	2.9	12

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55	Strangeness data with heavy projectiles from a hydrodynamical point of view. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 339-344.	3.6	4
56	Strangeness data with light projectiles from a hydrodynamical point of view. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 331-338.	3.6	4
57	Freeze-out in hydrodynamical models. Physical Review C, 1999, 59, 3309-3316.	2.9	54
58	Confronting Particle Emission Scenarios with Strangeness Data. Physical Review Letters, 1998, 80, 1170-1173.	7.8	12
59	Can We See the Hadron-Quark Transition Happening in Neutron Stars?. Astrophysical Journal, 1998, 492, 263-266.	4.5	9
60	Particle emission in the hydrodynamical description of relativistic nuclear collisions. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 153-160.	1.5	36
61	A test of particle emission scenarios: Strange particle ratios. Acta Physica Hungarica A Heavy Ion Physics, 1996, 4, 257-262.	0.4	0
62	Continuous particle emission: a probe of thermalized matter evolution?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 9-14.	4.1	69
63	High Pt strangeness enhancement. Nuclear Physics A, 1992, 544, 619-622.	1.5	1
64	Modification of the j/ψ momentum distribution in heavy-ion collisions through dispersion by the nuclear medium. Nuclear Physics A, 1991, 525, 483-486.	1.5	0
65	$\bar{\Lambda}$ enhancement in nuclear collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 1-6.	4.1	8
66	THE GAUSSIAN APPROXIMATION FOR THE $\hat{\rho}$ - $\hat{\pi}$ THEORY AT FINITE TEMPERATURE REVISITED. International Journal of Modern Physics A, 1991, 06, 4579-4638.	1.5	5
67	The pulsar in SN 1987A and the equation of state of dense matter. Astrophysical Journal, 1990, 362, 590.	4.5	0
68	Quark core stars, quark stars and strange stars. Zeitschrift für Physik C-Particles and Fields, 1989, 44, 129-138.	1.5	3
69	A phenomenological quark matter equation of state. Zeitschrift für Physik C-Particles and Fields, 1989, 44, 247-257.	1.5	1
70	Hadron-quark phase transition in dense stars. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 307-316.	1.5	3
71	Statistical mechanics of a relativistic magnetized plasma and its radiation field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 30-35.	2.1	1