

M Belkacem

List of Publications by Year in descending order

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41
papers

3,998
citations

331670

21
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289244

40
g-index

41
all docs

41
docs citations

41
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic models for ultrarelativistic heavy ion collisions. Progress in Particle and Nuclear Physics, 1998, 41, 255-369.	14.4	1,575
2	Relativistic hadron-hadron collisions in the ultra-relativistic quantum molecular dynamics model. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1859-1896.	3.6	1,287
3	Equation of state, spectra, and composition of hot and dense infinite hadronic matter in a microscopic transport model. Physical Review C, 1998, 58, 1727-1733.	2.9	91
4	Local equilibrium in heavy ion collisions: Microscopic model versus statistical model analysis. Physical Review C, 1999, 60, .	2.9	85
5	Properties of $\tilde{\Sigma}$ and $\tilde{\Sigma}^*$ mesons at finite temperature and density as inferred from experiment. Physical Review C, 2001, 64, .	2.9	84
6	Critical evolution of a finite system. Physical Review C, 1995, 52, 271-285.	2.9	75
7	Dynamics of Instabilities and Intermittency. Physical Review Letters, 1994, 73, 1765-1768.	7.8	64
8	Can momentum correlations prove kinetic equilibration in heavy ion collisions at 160 AGeV?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 435, 9-12.	4.1	61
9	Local thermodynamical equilibrium and the equation of state of hot, dense matter created in Au+Au collisions at AGS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 379-387.	4.1	58
10	Local thermal and chemical equilibration and the equation of state in relativistic heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 351-361.	3.6	52
11	On the importance of damping phenomena in clusters irradiated by intense laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 273-282.	1.5	49
12	Circumstantial Evidence for Critical Behavior in Peripheral Au+Au Collisions at 35 MeV/nucleon. Physical Review Letters, 1996, 76, 2646-2649.	7.8	47
13	Dileptons and photons from coarse-grained microscopic dynamics and hydrodynamics compared to experimental data. Physical Review C, 2002, 66, .	2.9	41
14	Fluctuations and inhomogenities of energy density and isospin in Pb+Pb at the SPS. Nuclear Physics A, 1998, 638, 391c-394c.	1.5	36
15	Are We Close to an Equilibrated Quark-Gluon Plasma? Nonequilibrium Analysis of Particle Production in Ultrarelativistic Heavy Ion Collisions. Physical Review Letters, 1998, 81, 4092-4095.	7.8	33
16	Applications of Boltzmann-Langevin equation to nuclear collisions. Nuclear Physics A, 1992, 542, 141-158.	1.5	29
17	Critical review of quark gluon plasma signatures. Progress in Particle and Nuclear Physics, 1999, 42, 279-293.	14.4	29
18	Second order phase transitions: from infinite to finite systems. Nuclear Physics A, 1996, 600, 236-250.	1.5	28

#	ARTICLE	IF	CITATIONS
19	The Boltzmann-Langevin equation and its application to intermediate mass fragment production. Nuclear Physics A, 1990, 519, 171-182.	1.5	24
20	Contemporary presence of dynamical and statistical production of intermediate mass fragments in midperipheral $^{58}\text{Ni}+^{58}\text{Ni}$ collisions at 30A MeV/nucleon . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 509, 204-210.	4.1	23
21	Reaction dynamics in Pb + Pb at the CERN/SPS: From partonic degrees of freedom to freeze-out. Progress in Particle and Nuclear Physics, 1999, 42, 313-322.	14.4	22
22	Enhanced strange particle yields - signal of a phase of massless particles?. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 449-457.	3.6	21
23	The Boltzmann-Langevin model for nuclear collisions. Nuclear Physics A, 1992, 545, 35-46.	1.5	20
24	Searching for the nuclear liquid-gas phase transition in Au+Au collisions at 35 MeV/nucleon . Physical Review C, 1996, 54, 2435-2444.	2.9	20
25	Enhanced antiproton production in Pb(160 A GeV)+Pb reactions: evidence for quark gluon matter?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 133-138.	4.1	18
26	A molecular dynamics description of clusters in strong laser fields. European Physical Journal D, 2006, 40, 247-255.	1.3	15
27	K+production far below the free nucleon-nucleon threshold in heavy-ion collisions. Physical Review C, 1993, 47, R16-R20.	2.9	14
28	Caloric curve and conditional moments: Effects of secondary fragment decay. Physical Review C, 1998, 57, 831-836.	2.9	14
29	Dynamics of unstable matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 326, 21-26.	4.1	12
30	Collisional damping of giant resonances in a non-Markovian approach. Physical Review C, 1995, 52, 2499-2503.	2.9	11
31	Equilibrium and non-equilibrium effects in relativistic heavy ion collisions.. Nuclear Physics A, 1999, 661, 600-603.	1.5	11
32	Coulomb explosion of simple metal clusters in intense laser fields. Physical Review A, 2006, 73, .	2.5	10
33	On transient effects in violent nuclear collisions. Nuclear Physics A, 1994, 580, 323-334.	1.5	8
34	Beyond mean field confrontation of different models with high transverse momentum proton spectra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 437, 19-23.	4.1	7
35	Intermittency in the Fisher's droplet model. Zeitschrift für Physik A, 1995, 352, 145-148.	0.9	6
36	Non-Markovian approach to the damping of giant monopole resonances in nuclei. Physical Review C, 1995, 51, 611-613.	2.9	6

#	ARTICLE	IF	CITATIONS
37	Equilibrium and non-equilibrium effects in nucleus-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 660-666.	4.1	5
38	Bremsstrahlung from a microscopic model of relativistic heavy ion collisions. Physical Review C, 2000, 63, .	2.9	4
39	Groundwater treatment by reverse osmosis: Effect of brine recycling on fouling. Desalination and Water Treatment, 2009, 9, 54-58.	1.0	2
40	Excitation function of energy density and partonic degrees of freedom in relativistic heavy ion collisions. Nuclear Physics A, 1998, 642, c121-c129.	1.5	1
41	Dynamics of Multifragmentation. , 1996, , 51-58.		0