

Mauricio Martnez

List of Publications by Citations

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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.

52 papers	1,470 citations	21 h-index	38 g-index
55 ext. papers	1,666 ext. citations	3.3 avg, IF	5.12 L-index

#	Paper	IF	Citations
52	Dissipative dynamics of highly anisotropic systems. <i>Nuclear Physics A</i> , 2010 , 848, 183-197	1.3	227
51	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
50	Boost-invariant (2+1)-dimensional anisotropic hydrodynamics. <i>Physical Review C</i> , 2012 , 85,	2.7	98
49	New exact solution of the relativistic Boltzmann equation and its hydrodynamic limit. <i>Physical Review Letters</i> , 2014 , 113, 202301	7.4	94
48	Non-boost-invariant anisotropic dynamics. <i>Nuclear Physics A</i> , 2011 , 856, 68-87	1.3	85
47	Studying the validity of relativistic hydrodynamics with a new exact solution of the Boltzmann equation. <i>Physical Review D</i> , 2014 , 90,	4.9	80
46	Far-from-equilibrium attractors and nonlinear dynamical systems approach to the Gubser flow. <i>Physical Review D</i> , 2018 , 97,	4.9	51
45	Pre-equilibrium dilepton production from an anisotropic quark-gluon plasma. <i>Physical Review C</i> , 2008 , 78,	2.7	49
44	Constraining relativistic viscous hydrodynamical evolution. <i>Physical Review C</i> , 2009 , 79,	2.7	45
43	Next-to-eikonal corrections in the CGC: gluon production and spin asymmetries in pA collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	44
42	Measuring quark-gluon-plasma thermalization time with dileptons. <i>Physical Review Letters</i> , 2008 , 100, 102301	7.4	42
41	Soft gluon emission off a heavy quark revisited. <i>Physical Review D</i> , 2012 , 85,	4.9	37
40	Nonconformal viscous anisotropic hydrodynamics. <i>Physical Review C</i> , 2015 , 91,	2.7	33
39	Analytic Solution of the Boltzmann Equation in an Expanding System. <i>Physical Review Letters</i> , 2016 , 116, 022301	7.4	30
38	Dynamical systems and nonlinear transient rheology of the far-from-equilibrium Bjorken flow. <i>Physical Review D</i> , 2019 , 99,	4.9	27
37	Anisotropic fluid dynamics for Gubser flow. <i>Physical Review C</i> , 2017 , 95,	2.7	27
36	Non-perturbative rheological behavior of a far-from-equilibrium expanding plasma. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134914	4.2	26

35	Nonlinear dynamics from the relativistic Boltzmann equation in the Friedmann-Lemaître-Robertson-Walker spacetime. <i>Physical Review D</i> , 2016 , 94,	4.9	26
34	Leading-order anisotropic hydrodynamics for central collisions. <i>Physical Review C</i> , 2015 , 92,	2.7	25
33	Suppression of forward dilepton production from an anisotropic quark-gluon plasma. <i>European Physical Journal C</i> , 2009 , 61, 905-913	4.2	23
32	Matching pre-equilibrium dynamics and viscous hydrodynamics. <i>Physical Review C</i> , 2010 , 81,	2.7	22
31	Hydrodynamic tails and a fluctuation bound on the bulk viscosity. <i>Physical Review A</i> , 2017 , 96,	2.6	21
30	Stochastic hydrodynamics and long time tails of an expanding conformal charged fluid. <i>Physical Review C</i> , 2019 , 99,	2.7	19
29	Coherence phenomena between initial and final state radiation in a dense QCD medium. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	18
28	Interference between initial and final state radiation in a QCD medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 280-286	4.2	18
27	Transient oscillations in a macroscopic effective theory of the Boltzmann equation. <i>Physical Review D</i> , 2016 , 93,	4.9	15
26	Generalization of Gunion-Bertsch formula for soft gluon emission. <i>Physical Review D</i> , 2011 , 83,	4.9	14
25	Exact solutions of the Boltzmann equation and optimized hydrodynamic approaches for relativistic heavy-ion collisions. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 276-278, 193-196	0.4	14
24	Global flow structure and exact formal transseries of the Gubser flow in kinetic theory. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
23	Critical behavior of the bulk viscosity in QCD. <i>Physical Review D</i> , 2019 , 100,	4.9	12
22	Fluid dynamic propagation of initial baryon number perturbations on a Bjorken flow background. <i>Physical Review C</i> , 2015 , 92,	2.7	12
21	Analytic solutions of the relativistic Boltzmann equation. <i>Physical Review D</i> , 2015 , 91,	4.9	11
20	Investigating the domain of validity of the Gubser solution to the Boltzmann equation. <i>Nuclear Physics A</i> , 2015 , 943, 26-38	1.3	9
19	Hydrodynamization and nonequilibrium Green's functions in kinetic theory. <i>Physical Review D</i> , 2020 , 102,	4.9	9
18	Dynamical quark recombination in ultrarelativistic heavy-ion collisions and the proton-to-pion ratio. <i>Physical Review C</i> , 2008 , 77,	2.7	9

17	Transasymptotics and hydrodynamization of the Fokker-Planck equation for gluons. <i>Physical Review D</i> , 2021 , 103,	4.9	9
16	Toward initial conditions of conserved charges. Part I. Spatial correlations of quarks and antiquarks. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
15	Multiparticle production at mid-rapidity in the color-glass condensate. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
14	Anisotropic hydrodynamics. <i>Nuclear Physics A</i> , 2013 , 904-905, 803c-806c	1.3	6
13	The BEST framework for the search for the QCD critical point and the chiral magnetic effect. <i>Nuclear Physics A</i> , 2021 , 122343	1.3	4
12	Dilepton production as a measure of QGP thermalization time. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 104162	2.9	3
11	Constraining the initial stages of ultrarelativistic nuclear collisions. <i>Physical Review D</i> , 2021 , 104,	4.9	2
10	Constraining the onset of viscous hydrodynamics. <i>Nuclear Physics A</i> , 2009 , 830, 615c-616c	1.3	1
9	In Search of the QCD Gravity Correspondence. <i>Lecture Notes in Physics</i> , 2009 , 341-369	0.8	1
8	Viscous anisotropic hydrodynamics for the Gubser flow. <i>Nuclear Physics A</i> , 2017 , 967, 413-416	1.3	0
7	Coherence effects between the initial and final state radiation in a dense QCD medium. <i>Nuclear Physics A</i> , 2014 , 926, 242-249	1.3	0
6	Out-of-equilibrium Gubser flow attractors. <i>Nuclear Physics A</i> , 2019 , 982, 204-206	1.3	
5	Relating the Lyapunov exponents to transport coefficients in kinetic theory. <i>Nuclear Physics A</i> , 2019 , 982, 227-230	1.3	
4	Coherence and broadening effects in medium induced gluon radiation. <i>Nuclear Physics A</i> , 2013 , 910-911, 363-366	1.3	
3	Decoherence between the initial and final state radiation in a dense QCD medium. <i>Nuclear Physics A</i> , 2014 , 931, 320-325	1.3	
2	Interference effects between the initial and final state radiation in a QCD medium. <i>Journal of Physics: Conference Series</i> , 2013 , 446, 012010	0.3	
1	Modelling the hadronization of quark matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 044060	2.9	