Mauricio Martnez

List of Publications by Year in Descending Order

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	The BEST framework for the search for the QCD critical point and the chiral magnetic effect. *Nuclear Physics A*, **2021**, 122343	1.3	4
51	Constraining the initial stages of ultrarelativistic nuclear collisions. *Physical Review D*, **2021**, 104,	4.9	2
50	Transasymptotics and hydrodynamization of the Fokker-Planck equation for gluons. *Physical Review D*, **2021**, 103,	4.9	9
49	Hydrodynamization and nonequilibrium Green? functions in kinetic theory. *Physical Review D*, **2020**, 102,	4.9	9
48	Global flow structure and exact formal transseries of the Gubser flow in kinetic theory. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	13
47	Critical behavior of the bulk viscosity in QCD. *Physical Review D*, **2019**, 100,	4.9	12
46	Stochastic hydrodynamics and long time tails of an expanding conformal charged fluid. *Physical Review C*, **2019**, 99,	2.7	19
45	Out-of-equilibrium Gubser flow attractors. *Nuclear Physics A*, **2019**, 982, 204-206	1.3	
44	Relating the Lyapunov exponents to transport coefficients in kinetic theory. *Nuclear Physics A*, **2019**, 982, 227-230	1.3	
43	Non-perturbative rheological behavior of a far-from-equilibrium expanding plasma. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2019**, 797, 134914	4.2	26
42	Dynamical systems and nonlinear transient rheology of the far-from-equilibrium Bjorken flow. *Physical Review D*, **2019**, 99,	4.9	27
41	Multiparticle production at mid-rapidity in the color-glass condensate. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	7
40	Far-from-equilibrium attractors and nonlinear dynamical systems approach to the Gubser flow. *Physical Review D*, **2018**, 97,	4.9	51
39	Toward initial conditions of conserved charges. Part I. Spatial correlations of quarks and antiquarks. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	8
38	Viscous anisotropic hydrodynamics for the Gubser flow. *Nuclear Physics A*, **2017**, 967, 413-416	1.3	0
37	Anisotropic fluid dynamics for Gubser flow. *Physical Review C*, **2017**, 95,	2.7	27
36	Hydrodynamic tails and a fluctuation bound on the bulk viscosity. *Physical Review A*, **2017**, 96,	2.6	21

35	Transient oscillations in a macroscopic effective theory of the Boltzmann equation. *Physical Review D*, **2016**, 93,	4.9	15
34	Analytic Solution of the Boltzmann Equation in an Expanding System. *Physical Review Letters*, **2016**, 116, 022301	7.4	30
33	Nonlinear dynamics from the relativistic Boltzmann equation in the Friedmann-Lemaître-Robertson-Walker spacetime. *Physical Review D*, **2016**, 94,	4.9	26
32	Exact solutions of the Boltzmann equation and optimized hydrodynamic approaches for relativistic heavy-ion collisions. *Nuclear and Particle Physics Proceedings*, **2016**, 276-278, 193-196	0.4	14
31	Investigating the domain of validity of the Gubser solution to the Boltzmann equation. *Nuclear Physics A*, **2015**, 943, 26-38	1.3	9
30	Nonconformal viscous anisotropic hydrodynamics. *Physical Review C*, **2015**, 91,	2.7	33
29	Analytic solutions of the relativistic Boltzmann equation. *Physical Review D*, **2015**, 91,	4.9	11
28	Leading-order anisotropic hydrodynamics for central collisions. *Physical Review C*, **2015**, 92,	2.7	25
27	Fluid dynamic propagation of initial baryon number perturbations on a Bjorken flow background. *Physical Review C*, **2015**, 92,	2.7	12
26	New exact solution of the relativistic Boltzmann equation and its hydrodynamic limit. *Physical Review Letters*, **2014**, 113, 202301	7.4	94
25	Next-to-eikonal corrections in the CGC: gluon production and spin asymmetries in pA collisions. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	44
24	Studying the validity of relativistic hydrodynamics with a new exact solution of the Boltzmann equation. *Physical Review D*, **2014**, 90,	4.9	80
23	Coherence effects between the initial and final state radiation in a dense QCD medium. *Nuclear Physics A*, **2014**, 926, 242-249	1.3	0
22	Decoherence between the initial and final state radiation in a dense QCD medium. *Nuclear Physics A*, **2014**, 931, 320-325	1.3	
21	Coherence phenomena between initial and final state radiation in a dense QCD medium. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	18
20	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. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	143
19	Anisotropic hydrodynamics. *Nuclear Physics A*, **2013**, 904-905, 803c-806c	1.3	6
18	Coherence and broadening effects in medium induced gluon radiation. *Nuclear Physics A*, **2013**, 910-911, 363-366	1.3	

17	Interference effects between the initial and final state radiation in a QCD medium. *Journal of Physics: Conference Series*, **2013**, 446, 012010	0.3	
16	Soft gluon emission off a heavy quark revisited. *Physical Review D*, **2012**, 85,	4.9	37
15	Interference between initial and final state radiation in a QCD medium. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 717, 280-286	4.2	18
14	Boost-invariant (2+1)-dimensional anisotropic hydrodynamics. *Physical Review C*, **2012**, 85,	2.7	98
13	Generalization of Gunion-Bertsch formula for soft gluon emission. *Physical Review D*, **2011**, 83,	4.9	14
12	Non-boost-invariant anisotropic dynamics. *Nuclear Physics A*, **2011**, 856, 68-87	1.3	85
11	Matching pre-equilibrium dynamics and viscous hydrodynamics. *Physical Review C*, **2010**, 81,	2.7	22
10	Dissipative dynamics of highly anisotropic systems. *Nuclear Physics A*, **2010**, 848, 183-197	1.3	227
9	Constraining relativistic viscous hydrodynamical evolution. *Physical Review C*, **2009**, 79,	2.7	45
8	Constraining the onset of viscous hydrodynamics. *Nuclear Physics A*, **2009**, 830, 615c-616c	1.3	1
7	Suppression of forward dilepton production from an anisotropic quark-gluon plasma. *European Physical Journal C*, **2009**, 61, 905-913	4.2	23
6	In Search of the QCD-Gravity Correspondence. *Lecture Notes in Physics*, **2009**, 341-369	0.8	1
5	Dilepton production as a measure of QGP thermalization time. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 104162	2.9	3
4	Modelling the hadronization of quark matter. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 044060	2.9	
3	Dynamical quark recombination in ultrarelativistic heavy-ion collisions and the proton-to-pion ratio. *Physical Review C*, **2008**, 77,	2.7	9
2	Pre-equilibrium dilepton production from an anisotropic quark-gluon plasma. *Physical Review C*, **2008**, 78,	2.7	49
1	Measuring quark-gluon-plasma thermalization time with dileptons. *Physical Review Letters*, **2008**, 100, 102301	7.4	42