Juan M Torres-Rincon

List of Publications by Year
in descending order

72	1,349	304743	345221
papers	citations	22 h-index	36 g-index

74	74	74	1138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tomography of the quark-gluon plasma by charm quarks. Physical Review C, 2015, 92, .	2.9	114
2	Chiral transport equation from the quantum Dirac Hamiltonian and the on-shell effective field theory. Physical Review D, 2014, 90, .	4.7	109
3	Kinetic theory of chiral relativistic plasmas and energy density of their gauge collective excitations. Physical Review D, 2014, 89, .	4.7	80
4	Dynamical evolution of the chiral magnetic effect: Applications to the quark-gluon plasma. Physical Review D, 2015, 92, .	4.7	72
5	Thermal conductivity and chiral critical point in heavy ion collisions. Physical Review C, 2012, 86, .	2.9	64
6	Shear viscosity of a hadron gas and influence of resonance lifetimes on relaxation time. Physical Review C, 2018, 97, .	2.9	58
7	Charm diffusion in a pion gas implementing unitarity, chiral and heavy quark symmetries. Annals of Physics, 2011, 326, 2737-2772.	2.8	57
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>D</mml:mi></mml:math>-meson propagation in hot dense matter. Physical Review D, 2013, 88, .	4.7	51
9	Bulk viscosity of low-temperature strongly interacting matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 43-48.	4.1	50
10	Bulk viscosity and the phase transition of the linear sigma model. Physical Review D, 2012, 86, .	4.7	46
11	Consistent relativistic chiral kinetic theory: A derivation from on-shell effective field theory. Physical Review D, 2018, 98, .	4.7	44
12	Minimum ofÎ·/sand the phase transition of the linear sigma model in the large-Nlimit. Physical Review D, 2009, 80, .	4.7	35
13	Baryon preclustering at the freeze-out of heavy-ion collisions and light-nuclei production. Physical Review C, 2020, 101, .	2.9	33
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>D</mml:mi></mml:math>-meson propagation in hadronic matter and consequences for heavy-flavor observables in ultrarelativistic heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	32
15	Open bottom states and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover accent="true"><mml:mi>B</mml:mi><mml:mo accent="true" stretchy="false">Â¯</mml:mo></mml:mover></mml:math>-meson propagation in hadronic matter. Physical Review D, 2014, 89, .	4.7	31
16	Baryon clustering at the critical line and near the hypothetical critical point in heavy-ion collisions. Physical Review C, 2019, 100, .	2.9	30
17	Transport properties of bottomed mesons in a hot mesonic gas. Physical Review D, 2013, 87, .	4.7	29
18	Propagation of heavy baryons in heavy-ion collisions. Physical Review D, 2016, 94, .	4.7	29

#	Article	IF	Citations
19	Î·/sand phase transitions. Physical Review D, 2009, 79, .	4.7	26
20	Deuteron production in relativistic heavy ion collisions via stochastic multiparticle reactions. Physical Review C, 2021, 104, .	2.9	26
21	Equation of state of a quark-meson mixture in the improved Polyakovâ€“Nambuâ€“Jona-Lasinio model at finite chemical potential. Physical Review C, 2017, 96, .	2.9	25
22	Transport coefficients of heavy quarks around<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma finite quark chemical potential. Physical Review C, 2014, 90, .	2.9	23
23	Chiral kinetic theory from the on-shell effective field theory: Derivation of collision terms. Physical Review D, 2020, 102, .	4.7	22
24	Light-nuclei production and search for the QCD critical point. European Physical Journal A, 2020, 56, 1.	2.5	21
25	Flavor dependence of baryon melting temperature in effective models of QCD. Physical Review C, 2015, 91, .	2.9	20
26	Impact of a thermal medium on D mesons and their chiral partners. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135464.	4.1	20
27	Hadron physics potential of future high-luminosity B-factories at the Ï’(5S) and above. European Physical Journal A, 2013, 49, 1.	2.5	19
28	Benchmarking a nonequilibrium approach to photon emission in relativistic heavy-ion collisions. Physical Review D, 2019, 99, .	4.7	16
29	Pseudoscalar and vector open-charm mesons at finite temperature. Physical Review D, 2020, 102, .	4.7	16
30	Transport coefficients of heavy baryons. Physical Review D, 2016, 94, .	4.7	15
31	Electrical conductivity and relaxation via colored noise in a hadronic gas. Physical Review D, 2019, 99, .	4.7	15
32	Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. Physical Review C, 2017, 96, .	2.9	14
33	Chiral kinetic theory with small mass corrections and quantum coherent states. Physical Review D, 2021, 103, .	4.7	12
34	Equilibration and freeze-out of an expanding gas in a transport approach in a Friedmannâ€“Robertsonâ€“Walker metric. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 532-538.	4.1	11
35	Heavy Quark Fluorescence. Physical Review Letters, 2010, 105, 022003.	7.8	10
36	Inclusive and effective bulk viscosities in the hadron gas. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 015005.	3.6	8

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37	Role of proton-antiproton regeneration in the late stages of heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	7
38	Bulk viscosity and energy-momentum correlations in high energy hadron collisions. European Physical Journal C, 2012, 72, 1.	3.9	6
39	Strange and heavy mesons in hadronic matter. Journal of Physics: Conference Series, 2014, 503, 012017.	0.4	5
40	Elliptic flow and $$R_{AA}$$ of $$ext {D}$$ mesons at FAIR comparing the UrQMD hybrid model and the coarse-graining approach. European Physical Journal C, 2019, 79, 52.	3.9	5
41	In-medium kinetic theory of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>D</mml:mi></mml:math> mesons and heavy-flavor transport coefficients. Physical Review C, 2022, 105, .	2.9	5
42	Transport Theory from the Nambu-Jona-Lasinio Lagrangian. Journal of Physics: Conference Series, 2016, 668, 012001.	0.4	4
43	A Non-Equilibrium Approach to Photon Emission from the Late Stages of Relativistic Heavy-Ion Collisions. Nuclear Physics A, 2021, 1005, 121772.	1.5	4
44	D-meson diffusion in hadronic matter. Journal of Physics: Conference Series, 2014, 503, 012020.	0.4	3
45	Systematic errors in transport calculations of shear viscosity using the Green-Kubo formalism. Journal of Physics: Conference Series, 2018, 1024, 012028.	0.4	3
46	Baryon Clustering at the critical line and near the hypothetical critical point. Nuclear Physics A, 2019, 982, 831-834.	1.5	3
47	Heavy flavor relaxation in a hadronic medium. Nuclear Physics A, 2013, 914, 505-511.	1.5	2
48	Shear and bulk viscosities of a photon gas at low temperature. Physical Review D, 2013, 88, .	4.7	2
49	Heavy flavor in relativistic heavy-ion collisions. Journal of Physics: Conference Series, 2016, 668, 012008.	0.4	2
50	Heavy mesons in a hadronic medium: interaction and transport coefficients. Journal of Physics: Conference Series, 2016, 668, 012091.	0.4	2
51	Î·/s is critical (at phase transitions). , 2009, , .		1
52	Transport coefficients of a unitarized pion gas. Progress in Particle and Nuclear Physics, 2012, 67, 461-466.	14.4	1
53	Heavy-quark dynamics in heavy-ion collisions. Journal of Physics: Conference Series, 2017, 779, 012030.	0.4	1
54	Degeneracy Patterns of Chiral Companions at Finite Temperature. Symmetry, 2021, 13, 1400.	2.2	1

#	Article	IF	Citations
55	Brief introduction to viscosity in hadron physics. , 2010, , .		0
56	Bulk Viscosity of a Pion Gas. , 2011, , .		0
57	Franck-Condon Principle applied to Heavy Quarkonium. , 2011, , .		0
58	Influence of a Critical Point on Hydrodynamic Fluctuations in Heavy Ion Collisions. Nuclear Physics A, 2013, 904-905, 887c-890c.	1.5	0
59	Heavy Mesons in Nuclear Matter and Nuclei. Journal of Physics: Conference Series, 2014, 562, 012010.	0.4	0
60	Tomography of the QGP by heavy quarks. Journal of Physics: Conference Series, 2016, 736, 012008.	0.4	0
61	Heavy Hadrons in Dense Matter. Journal of Physics: Conference Series, 2016, 668, 012088.	0.4	0
62	The Elastic $qar{q}$ Cross Section in the Nambuâ€“Jona-Lasinio Model. Journal of Physics: Conference Series, 2017, 878, 012017.	0.4	0
63	Melting and freeze-out conditions of hadrons in a thermal medium. EPJ Web of Conferences, 2018, 171, 14007.	0.3	0
64	Shear viscosity and resonance lifetimes in the hadron gas. Nuclear Physics A, 2019, 982, 807-810.	1.5	0
65	On the phase diagram of the Nambuâ€“Jonaâ€Łasinio Lagrangian. Astronomische Nachrichten, 2019, 340, 167-172.	1.2	0
66	On the critical endpoint and the firstâ€•order phase transition in the extended Polyakov Nambu Jonaâ€Łasinio Lagrangian. Astronomische Nachrichten, 2021, 342, 455-461.	1.2	0
67	Shear Viscosity and KSS Coefficient. Springer Theses, 2014, , 47-62.	0.1	0
68	Bulk Viscosity. Springer Theses, 2014, , 63-73.	0.1	0
69	Charm Diffusion. Springer Theses, 2014, , 109-133.	0.1	0
70	Linear Sigma Model and Phase Transitions. Springer Theses, 2014, , 135-152.	0.1	0
71	Elastic qq Cross Sections at Finite Chemical Potential in the Nambu--Jona-Lasinio Lagrangian. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 525.	0.1	0
72	Temperature dependence of the properties of open heavy-flavor mesons. EPJ Web of Conferences, 2022, 259, 12008.	0.3	0