

Jean-François Paquet

List of Publications by Year in descending order

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42
papers

1,645
citations

430874

18
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of the Bulk Viscosity of QCD in Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2015, 115, 132301.	7.8	278
2	Production of photons in relativistic heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	190
3	Multisystem Bayesian constraints on the transport coefficients of QCD matter. Physical Review C, 2021, 103, .	2.9	118
4	Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. Physical Review Letters, 2019, 122, 122302.	7.8	101
5	Thermal photons as a quark-gluon plasma thermometer reexamined. Physical Review C, 2014, 89, .	2.9	90
6	Effective kinetic description of event-by-event pre-equilibrium dynamics in high-energy heavy-ion collisions. Physical Review C, 2019, 99, .	2.9	85
7	Phenomenological Constraints on the Transport Properties of QCD Matter with Data-Driven Model Averaging. Physical Review Letters, 2021, 126, 242301.	7.8	82
8	Viscous photons in relativistic heavy ion collisions. Physical Review C, 2011, 84, .	2.9	81
9	Production and Elliptic Flow of Dileptons and Photons in a Matrix Model of the Quark-Gluon Plasma. Physical Review Letters, 2015, 114, 072301.	7.8	77
10	Collectivity and electromagnetic radiation in small systems. Physical Review C, 2017, 95, .	2.9	74
11	Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. Physical Review C, 2018, 97, .	2.9	59
12	Anisotropic flow of thermal photons as a quark-gluon plasma viscometer. Physical Review C, 2015, 91, .	2.9	55
13	Determining the jet transport coefficient \hat{q} from inclusive hadron suppression measurements using Bayesian parameter estimation. Physical Review C, 2021, 104, .	2.9	51
14	Extracting the bulk viscosity of the quark-gluon plasma. Nuclear Physics A, 2014, 931, 926-930.	1.5	41
15	Photon emission from a momentum-anisotropic quark-gluon plasma. Physical Review C, 2015, 91, .	2.9	30
16	Multimessenger heavy-ion collision physics. Physical Review C, 2022, 105, .	2.9	27
17	Electromagnetic radiation as a probe of the initial state and of viscous dynamics in relativistic nuclear collisions. Physical Review C, 2016, 94, .	2.9	21
18	Probing the early-time dynamics of relativistic heavy-ion collisions with electromagnetic radiation. Nuclear Physics A, 2014, 932, 230-234.	1.5	19

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19	Thermal Photon Radiation in High Multiplicity $p+Pb$ Collisions at the Large Hadron Collider. Physical Review Letters, 2016, 116, 072301.	7.8	18
20	Event-by-event direct photon anisotropic flow in relativistic heavy-ion collisions. Nuclear Physics A, 2014, 931, 675-680.	1.5	16
21	Probing Early-Time Dynamics and Quark-Gluon Plasma Transport Properties with Photons and Hadrons. Nuclear Physics A, 2021, 1005, 121863.	1.5	16
22	Photons at the RHIC: the role of viscosity and of initial state fluctuations. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124138.	3.6	15
23	Exploring the influence of bulk viscosity of QCD on dilepton tomography. Physical Review C, 2020, 101, .	2.9	12
24	Thermal photon anisotropic flow serves as a quark-gluon plasma viscometer. Nuclear Physics A, 2014, 932, 184-188.	1.5	10
25	Revisiting Bayesian constraints on the transport coefficients of QCD. Nuclear Physics A, 2021, 1005, 121749.	1.5	10
26	Probing the space-time evolution of heavy ion collisions with photons and dileptons. Nuclear Physics A, 2017, 967, 184-191.	1.5	9
27	Direct photon production and jet energy-loss in small systems. Nuclear Physics A, 2016, 956, 741-744.	1.5	8
28	Phenomenological constraints on the bulk viscosity of QCD. Nuclear Physics A, 2017, 967, 429-432.	1.5	7
29	Photon radiation from heavy-ion collisions in the $\sqrt{s_{NN}}=19\text{--}200\text{GeV}$ regime. Nuclear Physics A, 2019, 982, 767-770.	1.5	7
30	Out-of-equilibrium photon production in the late stages of relativistic heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	6
31	Probing the non-equilibrium dynamics of hot and dense QCD with dileptons. Nuclear Physics A, 2014, 931, 701-705.	1.5	5
32	Initial conditions for hydrodynamics from kinetic theory equilibration. Nuclear Physics A, 2017, 967, 289-292.	1.5	5
33	Efficient emulation of relativistic heavy ion collisions with transfer learning. Physical Review C, 2022, 105, .	2.9	5
34	Parton energy loss in a hard-soft factorized approach. Physical Review C, 2022, 105, .	2.9	4
35	Thermal and prompt photons at RHIC and the LHC. Nuclear Physics A, 2016, 956, 409-412.	1.5	3
36	Overview of electromagnetic probe production in ultra-relativistic heavy ion collisions. Journal of Physics: Conference Series, 2017, 832, 012035.	0.4	3

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37	Electromagnetic probes of heavy ion collisions: recent developments. Nuclear and Particle Physics Proceedings, 2017, 289-290, 89-94.	0.5	2
38	Effective viscosities in a hydrodynamically expanding boost-invariant QCD plasma. Physical Review C, 2020, 102, .	2.9	2
39	Bulk viscous effects on flow and dilepton radiation in a hybrid approach. Nuclear Physics A, 2017, 967, 692-695.	1.5	1
40	Electromagnetic radiation and collectivity in small quark-gluon droplets. Nuclear and Particle Physics Proceedings, 2017, 289-290, 161-164.	0.5	1
41	Dilepton radiation and bulk viscosity in heavy-ion collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 165-168.	0.5	1
42	JETSCAPE Collaboration. Nuclear Physics A, 2021, 1005, 122091.	1.5	0