

Radoslaw Ryblewski

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,531
citations

159358

30
h-index

189595

50
g-index

70
all docs

70
docs citations

70
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation of Λ hyperon spin polarization measurements. EPJ Web of Conferences, 2022, 259, 11011.	0.1	0
2	Spin polarization dynamics in the non-boost-invariant background. Physical Review D, 2022, 105, .	1.6	16
3	Effect of thermal shear on longitudinal spin polarization in a thermal model. Physical Review C, 2022, 105, .	1.1	12
4	Relativistic dissipative spin dynamics in the relaxation time approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136096.	1.5	78
5	Spin polarization dynamics in the Gubser-expanding background. Physical Review D, 2021, 103, .	1.6	34
6	Spin polarization dynamics in the Bjorken-expanding resistive MHD background. Physical Review D, 2021, 103, .	1.6	10
7	Pseudogauge dependence of quantum fluctuations of the energy in a hot relativistic gas of fermions. Physical Review D, 2021, 103, .	1.6	11
8	Correspondence between Israel-Stewart and first-order causal and stable hydrodynamics for Bjorken-expanding baryon-rich systems with vanishing particle masses. Physical Review D, 2021, 103, .	1.6	3
9	Dissipative spin dynamics in relativistic matter. Physical Review D, 2021, 103, .	1.6	55
10	Correspondence between Israel-Stewart and first-order causal and stable hydrodynamics for the boost-invariant massive case with zero baryon density. Physical Review D, 2020, 102, .	1.6	10
11	Statistical hadronization model for heavy-ion collisions in the few-GeV energy regime. Physical Review C, 2020, 102, .	1.1	17
12	Equivalence between first-order causal and stable hydrodynamics and Israel-Stewart theory for boost-invariant systems with a constant relaxation time. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135525.	1.5	17
13	Relaxation-time approximation with pair production and annihilation processes. Physical Review C, 2020, 102, .	1.1	8
14	Relativistic hydrodynamics for spin-polarized fluids. Progress in Particle and Nuclear Physics, 2019, 108, 103709.	5.6	116
15	Anisotropic hydrodynamic modeling of heavy-ion collisions at LHC and RHIC. Nuclear Physics A, 2019, 982, 423-426.	0.6	5
16	Spin polarization evolution in a boost-invariant hydrodynamical background. Physical Review C, 2019, 99, .	1.1	51
17	Convective stability of global thermodynamic equilibrium. Physical Review C, 2019, 99, .	1.1	1
18	Longitudinal spin polarization in a thermal model. Physical Review C, 2019, 100, .	1.1	54

#	ARTICLE	IF	CITATIONS
19	Anisotropic-hydrodynamics approach to a quark-gluon fluid mixture. Physical Review C, 2018, 97, .	1.1	12
20	Coupled kinetic equations for fermions and bosons in the relaxation-time approximation. Physical Review C, 2018, 97, .	1.1	39
21	Vortex-like solutions and internal structures of covariant ideal magnetohydrodynamics. European Physical Journal A, 2018, 54, 1.	1.0	5
22	Thermodynamic versus kinetic approach to polarization-vorticity coupling. Physical Review C, 2018, 98, .	1.1	80
23	Spin-dependent distribution functions for relativistic hydrodynamics of spin- $\frac{1}{2}$ particles. Physical Review D, 2018, 97, .	1.6	76
24	Quasiparticle second-order viscous hydrodynamics from kinetic theory. Physical Review D, 2017, 95, .	1.6	28
25	Quasiparticle Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2017, 119, 042301.	2.9	68
26	Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. Physical Review C, 2017, 96, .	1.1	42
27	Bottomonium suppression in heavy-ion collisions. Nuclear Physics A, 2017, 967, 604-607.	0.6	9
28	Phenomenological predictions of 3+1d anisotropic hydrodynamics. Journal of Physics: Conference Series, 2017, 832, 012054.	0.3	3
29	Bottomonia suppression in an anisotropic quark-gluon plasma. EPJ Web of Conferences, 2017, 137, 07019.	0.1	0
30	Transport phenomena in a plasma of confining gluons. EPJ Web of Conferences, 2016, 126, 02028.	0.1	0
31	Thermalization of parton spectra in the colour-flux-tube model. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 095102.	1.4	0
32	Anisotropic hydrodynamics for conformal Gubser flow. Nuclear Physics A, 2016, 956, 268-271.	0.6	16
33	Strong-coupling effects in a plasma of confining gluons. Nuclear Physics A, 2016, 956, 669-672.	0.6	4
34	Photon and dilepton production from a non-equilibrium quark-gluon plasma. Nuclear and Particle Physics Proceedings, 2016, 276-278, 309-312.	0.2	0
35	Separation of elastic and inelastic processes in the relaxation-time approximation for the collision integral. Physical Review C, 2016, 93, .	1.1	17
36	Photon production from a nonequilibrium quark-gluon plasma. Physical Review D, 2016, 93, .	1.6	16

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37	Gradient expansion for anisotropic hydrodynamics. Physical Review D, 2016, 94, .	1.6	23
38	Transport coefficients of the Gribov-Zwanziger plasma. Physical Review C, 2016, 94, .	1.1	31
39	Non-boost-invariant dissipative hydrodynamics. Physical Review C, 2016, 94, .	1.1	16
40	Testing different formulations of leading-order anisotropic hydrodynamics. Nuclear Physics A, 2016, 946, 29-48.	0.6	20
41	Relativistic quantum transport coefficients for second-order viscous hydrodynamics. Physical Review C, 2015, 91, .	1.1	48
42	Dilepton production from the quark-gluon plasma using T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML") anisotropic dissipative hydrodynamics. Physical Review D, 2015, 92, .	1.6	19
43	Leading-order anisotropic hydrodynamics for central collisions. Physical Review C, 2015, 92, .	1.1	28
44	Anisotropic hydrodynamics for a mixture of quark and gluon fluids. Physical Review C, 2015, 92, .	1.1	18
45	Bottomonia suppression in 2.76 TeV Pb-Pb collisions. Physical Review C, 2015, 92, .	1.1	64
46	Transport coefficients in second-order non-conformal viscous hydrodynamics. Journal of Physics: Conference Series, 2015, 612, 012058.	0.3	3
47	Anisotropic hydrodynamics for conformal Gubser flow. Physical Review D, 2015, 91, .	1.6	50
48	Relativistic third-order viscous corrections to the entropy four-current from kinetic theory. Physical Review C, 2015, 91, .	1.1	40
49	Leading-order anisotropic hydrodynamics for systems with massive particles. Physical Review C, 2014, 89, .	1.1	36
50	Exact solution of the T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	1.1	65
51	Bulk viscous evolution within anisotropic hydrodynamics. Physical Review C, 2014, 90, .	1.1	65
52	Transport coefficients for bulk viscous evolution in the relaxation-time approximation. Physical Review C, 2014, 90, .	1.1	69
53	Shear-bulk coupling in nonconformal hydrodynamics. Physical Review C, 2014, 90, .	1.1	51
54	Thermalization of anisotropic quark-gluon plasma produced by decays of color flux tubes. Nuclear Physics A, 2014, 931, 343-347.	0.6	3

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55	Anisotropic hydrodynamics for rapidly expanding systems. Nuclear Physics A, 2013, 916, 249-259.	0.6	128
56	Anisotropic hydrodynamics and the early-thermalization puzzle. , 2013, , .		1
57	Hydrodynamics of anisotropic quark and gluon fluids. Physical Review C, 2013, 87, .	1.1	32
58	Equilibration of anisotropic quark-gluon plasma produced by decays of color flux tubes. Physical Review D, 2013, 88, .	1.6	29
59	Testing viscous and anisotropic hydrodynamics in an exactly solvable case. Physical Review C, 2013, 88, .	1.1	151
60	Anisotropic hydrodynamics for ultra-relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 093101.	1.4	24
61	Chromoelectric oscillations in a dynamically evolving anisotropic background. Physical Review D, 2012, 86, .	1.6	17
62	Boost-invariant (2+1)-dimensional anisotropic hydrodynamics. Physical Review C, 2012, 85, .	1.1	108
63	Projection method for boost-invariant and cylindrically symmetric dissipative hydrodynamics. Physical Review C, 2012, 85, .	1.1	39
64	Highly anisotropic hydrodynamics in $3+1$ space-time dimensions. Physical Review C, 2012, 85, .	1.1	80
65	Highly anisotropic and strongly dissipative hydrodynamics for early stages of relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	1.1	196
66	Transverse hydrodynamics and the early-thermalization problem at RHIC. Journal of Physics: Conference Series, 2011, 270, 012024.	0.3	1
67	Highly anisotropic and strongly dissipative hydrodynamics with transverse expansion. European Physical Journal C, 2011, 71, 1.	1.4	65
68	Non-boost-invariant motion of dissipative and highly anisotropic fluid. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 015104.	1.4	75
69	Early anisotropic hydrodynamics and thermalization and Hanbury-Brown-Twiss puzzles in the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2010, 82, .	1.1	13
70	General formulation of transverse hydrodynamics. Physical Review C, 2008, 77, .	1.1	10