

Ralf Rapp

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,539
citations

257450

24
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

4212
citing authors

#	ARTICLE	IF	CITATIONS
1	Hadronic production of thermal photons. Physical Review C, 2004, 69, .	2.9	269
2	Medium modifications and production of charmonia at LHC. Nuclear Physics A, 2011, 859, 114-125.	1.5	203
3	$\langle \text{meson} \rangle$ Meson as a Quantitative Probe of Diffusion and Hadronization in Nuclear Collisions. Physical Review Letters, 2013, 110, 112301.	7.8	154
4	Heavy flavor at the large hadron collider in a strong coupling approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 445-450.	4.1	151
5	Dilepton radiation at the CERN super-proton synchrotron. Nuclear Physics A, 2008, 806, 339-387.	1.5	149
6	Heavy-quark diffusion and hadronization in quark-gluon plasma. Physical Review C, 2012, 86, .	2.9	145
7	Open heavy flavor in QCD matter and in nuclear collisions. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 093002.	3.6	128
8	Thermal photons and collective flow at energies available at the BNL Relativistic Heavy-Ion Collider. Physical Review C, 2011, 84, .	2.9	126
9	Signatures of thermal dilepton radiation at ultrarelativistic energies. Physical Review C, 2001, 63, .	2.9	125
10	Sequential regeneration of charmonia in heavy-ion collisions. Nuclear Physics A, 2015, 943, 147-158.	1.5	116
11	Dilepton Spectroscopy of QCD Matter at Collider Energies. Advances in High Energy Physics, 2013, 2013, 1-17.	1.1	98
12	Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. Physical Review C, 2019, 99, .	2.9	81
13	Pseudo-critical enhancement of thermal photons in relativistic heavy-ion collisions?. Nuclear Physics A, 2015, 933, 256-271.	1.5	80
14	Thermal dileptons as fireball thermometer and chronometer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 586-590.	4.1	75
15	Open Heavy-Flavor Production in Heavy-Ion Collisions. Annual Review of Nuclear and Particle Science, 2019, 69, 417-445.	10.2	73
16	Dilepton emission in high-energy heavy-ion collisions with viscous hydrodynamics. Physical Review C, 2014, 89, .	2.9	64
17	Hadronization and Charm-Hadron Ratios in Heavy-Ion Collisions. Physical Review Letters, 2020, 124, 042301.	7.8	57
18	Thermal dileptons from coarse-grained transport as fireball probes at SIS energies. European Physical Journal A, 2016, 52, 1.	2.5	52

#	ARTICLE	IF	CITATIONS
19	Hadrochemistry and evolution of (anti)baryon densities in ultrarelativistic heavy-ion collisions. Physical Review C, 2002, 66, .	2.9	45
20	Universal parametrization of thermal photon rates in hadronic matter. Physical Review C, 2015, 91, .	2.9	40
21	Ideal hydrodynamics for bulk and multi-strange hadrons in s NN collisions. Physical Review C, 2015, 91, .	2.9	33
22	In-medium charmonium production in proton-nucleus collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	30
23	Thermal photon emission from the $\bar{\psi}\psi$ system. Nuclear Physics A, 2016, 945, 1-20.	1.5	26
24	Production of light nuclei at thermal freezeout in ultrarelativistic heavy-ion collisions. European Physical Journal A, 2019, 55, 1.	2.5	26
25	Spectral and transport properties of quark-gluon plasma in a nonperturbative approach. European Physical Journal A, 2020, 56, 1.	2.5	24
26	Scaling of elliptic flow, recombination, and sequential freeze-out of hadrons in heavy-ion collisions. Physical Review C, 2010, 82, .	2.9	21
27	Transport in heavy-ion collisions. European Physical Journal A, 2021, 57, 1.	2.5	21
28	Dilepton radiation in heavy-ion collisions at small transverse momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 339-344.	4.1	20
29	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
30	Probing the in-medium QCD force by open heavy-flavor observables. Physical Review C, 2019, 99, .	2.9	14
31	Modifications of heavy-flavor spectra in Au-Au collisions. Physical Review C, 2015, 91, .	2.9	13
32	Massive Yang-Mills for vector and axial-vector spectral functions at finite temperature. Annals of Physics, 2016, 368, 70-109.	2.8	13
33	Collectivity of Mesons in Heavy-Ion Collisions. Physical Review Letters, 2022, 128, 162301.	7.8	12
34	In-Medium Vector Mesons, Dileptons and Chiral Restoration. , 2010, , .		11
35	Nonperturbative effects on radiative energy loss of heavy quarks. Journal of High Energy Physics, 2020, 2020, 1.	4.7	9
36	Update on Chiral Symmetry Restoration in the Context of Dilepton Data. Journal of Physics: Conference Series, 2013, 420, 012017.	0.4	8

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37	Evaluating chiral symmetry restoration through the use of sum rules. EPJ Web of Conferences, 2012, 36, 00012.	0.3	3
38	Fireball spectroscopy. Nature Physics, 2019, 15, 990-991.	16.7	1
39	Baryonic sources of thermal photons. European Physical Journal A, 2020, 56, 1.	2.5	1