

Rudolph C Hwa

List of Publications by Year in descending order

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67
papers

2,152
citations

304743

22
h-index

223800

46
g-index

67
all docs

67
docs citations

67
times ranked

1252
citing authors

#	ARTICLE	IF	CITATIONS
1	Centrality and transverse-momentum dependence of hadrons in $Pb-Pb$ collisions at energies available at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2021, 104, .	3.9	9
2	A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 055102.	3.6	1
3	Universal formula for baryon spectra in heavy-ion collisions and its implications. <i>Physical Review C</i> , 2018, 97, .	2.9	6
4	Phenomenological Implications of the p_T Spectra of \bar{D} and \bar{B}_c produced at LHC and RHIC. <i>Journal of Physics: Conference Series</i> , 2017, 779, 012049.	0.4	3
5	Recognizing Critical Behavior amidst Minijets at the Large Hadron Collider. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-10.	1.1	7
6	Ridge and Transverse Correlation without Long-Range Longitudinal Correlation. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-11.	1.1	3
7	Centrality and transverse momentum dependencies of minijets and hadrons in Au-Au collisions. <i>Physical Review C</i> , 2013, 88, .	2.9	7
8	EFFECTS OF MINIJETS ON COMMON OBSERVABLES IN HEAVY-ION COLLISIONS WITH UNCOMMON IMPLICATION. <i>International Journal of Modern Physics E</i> , 2013, 22, 1330003.	1.0	1
9	Effects of minijets on hadronic spectra and azimuthal harmonics in Au-Au collisions at 200 GeV. <i>Physical Review C</i> , 2012, 86, .	2.9	6
10	Ridge formation induced by jets in $Pb-Pb$ collisions at 7 TeV. <i>Physical Review C</i> , 2011, 83, .	2.9	15
11	Spectra of identified hadrons in Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2011, 84, .	2.9	12
12	Relationship between the azimuthal dependencies of nuclear modification factor and ridge yield. <i>Physical Review C</i> , 2010, 81, .	2.9	6
13	Scaling behavior of the azimuthal and centrality dependencies of jet production in heavy-ion collisions. <i>Physical Review C</i> , 2010, 81, .	2.9	9
14	HADRON CORRELATIONS IN JETS AND RIDGES THROUGH PARTON RECOMBINATION. , 2010, , 267-322.		1
15	Hadron correlation in jets on the near and away sides of high- p_T triggers in heavy-ion collisions. <i>Physical Review C</i> , 2009, 79, .	2.9	9
16	Dependence of ridge formation on trigger azimuth: Correlated emission model. <i>Physical Review C</i> , 2009, 79, .	2.9	24
17	Elliptic flow arising from ridges due to semi-hard scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 666, 228-231.	4.1	15
18	Azimuthal anisotropy: Ridges, recombination, and breaking of quark number scaling. <i>Physical Review C</i> , 2008, 78, .	2.9	23

#	ARTICLE	IF	CITATIONS
19	Forward production of protons and pions in heavy-ion collisions. <i>Physical Review C</i> , 2008, 78, .	2.9	2
20	Particles associated with \hat{I}° produced at intermediate p_T . <i>Physical Review C</i> , 2007, 76, .	2.9	5
21	Forward production with large p_T ratio and without jet structure at any p_T . <i>Physical Review C</i> , 2007, 76, .	2.9	5
22	Production of strange particles at intermediate p_T in central Au+Au collisions at high energies. <i>Physical Review C</i> , 2007, 75, .	2.9	47
23	The omega puzzle. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, S789-S792.	3.6	7
24	Relating meson and baryon fragmentation functions by shower-parton recombination. <i>Physical Review C</i> , 2006, 73, .	2.9	11
25	Proton Enhancement at Large p_T at the CERN Large Hadron Collider without Structure in Associated-Particle Distribution. <i>Physical Review Letters</i> , 2006, 97, 042301.	7.8	23
26	Hadron production in the transfragmentation region in heavy-ion collisions. <i>Physical Review C</i> , 2006, 73, .	2.9	3
27	Away-side azimuthal distribution in a Markovian parton scattering model. <i>Physical Review C</i> , 2006, 74, .	2.9	28
28	Autocorrelation of hadrons in jets produced in heavy-ion collisions. <i>Physical Review C</i> , 2006, 73, .	2.9	4
29	Parton and hadron correlations in jets. <i>Physical Review C</i> , 2005, 72, .	2.9	9
30	Forward production in d+Au collisions by parton recombination. <i>Physical Review C</i> , 2005, 71, .	2.9	42
31	Associated particle distributions in jets produced in heavy-ion collisions. <i>Physical Review C</i> , 2005, 72, .	2.9	20
32	Critical fluctuation of wind reversals in convective turbulence. <i>Physical Review E</i> , 2005, 72, 066308.	2.1	15
33	Pedestal and peak structure in jet correlation. <i>Physical Review C</i> , 2005, 72, .	2.9	74
34	Proton production in d+Au collisions and the Cronin effect. <i>Physical Review C</i> , 2004, 70, .	2.9	32
35	Recombination of shower partons in fragmentation processes. <i>Physical Review C</i> , 2004, 70, .	2.9	93
36	Dihadron correlation in jets produced in heavy-ion collisions. <i>Physical Review C</i> , 2004, 70, .	2.9	23

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37	Fractional energy loss and centrality scaling. Physical Review C, 2004, 69, .	2.9	6
38	Final-State Interaction as the Origin of the Cronin Effect. Physical Review Letters, 2004, 93, 082302.	7.8	61
39	Recombination of shower partons at high p_T in heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	178
40	Scaling behavior at high p_T and the p_T/\sqrt{s} ratio. Physical Review C, 2003, 67, .	2.9	279
41	Centrality Scaling of the p_T Distribution of Pions. Physical Review Letters, 2003, 90, 212301.	7.8	28
42	Scaling distributions of quarks, mesons, and proton for all p_T , energy, and centrality. Physical Review C, 2003, 67, .	2.9	94
43	Comparison of nuclear suppression effects on meson production at high p_T and p_L . Physical Review C, 2003, 68, .	2.9	2
44	THE GLOBAL EFFECTS OF STROKE ON THE HUMAN ELECTROENCEPHALOGRAM. Journal of Integrative Neuroscience, 2003, 02, 45-53.	1.7	4
45	FLUCTUATIONS IN HUMAN ELECTROENCEPHALOGRAM. , 2003, , .		0
46	GAP ANALYSIS FOR CRITICAL FLUCTUATIONS. , 2003, , .		0
47	Inclusive distributions for hadronic collisions in the valon-recombination model. Physical Review C, 2002, 66, .	2.9	97
48	Parton distributions in the valon model. Physical Review C, 2002, 66, .	2.9	54
49	Centrality dependence of baryon and meson momentum distributions in proton-nucleus collisions. Physical Review C, 2002, 65, .	2.9	21
50	Fluctuation of gaps in hadronization at the phase transition. Physical Review C, 2002, 66, .	2.9	4
51	Strangeness enhancement in the parton model. Physical Review C, 2002, 66, .	2.9	12
52	Scaling properties of fluctuations in the human electroencephalogram. Physical Review E, 2002, 66, 021901.	2.1	124
53	CENTRALITY DEPENDENCE OF BARYON AND MESON MOMENTUM DISTRIBUTIONS IN PA COLLISIONS. , 2002, , .		0
54	Effects of gluon depletion on J/ψ suppression in pA and AA collisions. Physical Review C, 2001, 64, .	2.9	11

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55	Scaling properties of hadron production in the Ising model for quark-hadron phase transition. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 661-670.	1.5	15
56	Scaling properties of hadron production in the Ising model for quark-hadron phase transition. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 661-670.	1.5	0
57	SCALING PROPERTIES OF QUARK-HADRON PHASE TRANSITION. , 1995, , 749-784.		1
58	POSSIBLE DYNAMICAL ORIGINS OF INTERMITTENCY IN HIGH ENERGY COLLISIONS. Modern Physics Letters A, 1994, 09, 863-874.	1.2	3
59	AZIMUTHAL CORRELATION FOR COHERENT SOURCES IN PHASE TRANSITION. Modern Physics Letters A, 1994, 09, 3495-3503.	1.2	0
60	SELF-SIMILARITY IN MULTIPLICITY FLUCTUATIONS. Advanced Series on Directions in High Energy Physics, 1990, , 665-712.	0.7	1
61	NON-STATISTICAL COMPONENT OF THE MULTIFRACTAL SPECTRAL FUNCTION. Modern Physics Letters A, 1990, 05, 2651-2656.	1.2	40
62	GEOMETRICAL AND DYNAMICAL MULTIPLICITY FLUCTUATIONS IN HIGH-ENERGY NUCLEAR COLLISIONS. International Journal of Modern Physics A, 1989, 04, 481-492.	1.5	5
63	BRANCHING PROCESSES IN MULTIPARTICLE PRODUCTION. Advanced Series on Directions in High Energy Physics, 1988, , 556-613.	0.7	4
64	Strange and charm quarks in hadrons. AIP Conference Proceedings, 1982, , .	0.4	0
65	Clustering and hadronization of quarks: A treatment of the low-pT problem. Physical Review D, 1980, 22, 1593-1608.	4.7	146
66	Evidence for valence-quark clusters in nucleon structure functions. Physical Review D, 1980, 22, 759-764.	4.7	88
67	Quark-antiquark recombination in the fragmentation region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 68, 459-462.	4.1	280