

# 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	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
2	Scaling behavior at high $p_T$ and the $p_T/\sqrt{s}$ ratio. Physical Review C, 2003, 67, .	2.9	279
3	Recombination of shower partons at high $p_T$ in heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	178
4	Clustering and hadronization of quarks: A treatment of the low- $p_T$ problem. Physical Review D, 1980, 22, 1593-1608.	4.7	146
5	Scaling properties of fluctuations in the human electroencephalogram. Physical Review E, 2002, 66, 021901.	2.1	124
6	Inclusive distributions for hadronic collisions in the valon-recombination model. Physical Review C, 2002, 66, .	2.9	97
7	Scaling distributions of quarks, mesons, and proton for all $p_T$ , energy, and centrality. Physical Review C, 2003, 67, .	2.9	94
8	Recombination of shower partons in fragmentation processes. Physical Review C, 2004, 70, .	2.9	93
9	Evidence for valence-quark clusters in nucleon structure functions. Physical Review D, 1980, 22, 759-764.	4.7	88
10	Pedestal and peak structure in jet correlation. Physical Review C, 2005, 72, .	2.9	74
11	Final-State Interaction as the Origin of the Cronin Effect. Physical Review Letters, 2004, 93, 082302.	7.8	61
12	Parton distributions in the valon model. Physical Review C, 2002, 66, .	2.9	54
13	Production of strange particles at intermediate $p_T$ in central Au+Au collisions at high energies. Physical Review C, 2007, 75, .	2.9	47
14	Forward production in d+Au collisions by parton recombination. Physical Review C, 2005, 71, .	2.9	42
15	NON-STATISTICAL COMPONENT OF THE MULTIFRACTAL SPECTRAL FUNCTION. Modern Physics Letters A, 1990, 05, 2651-2656.	1.2	40
16	Proton production in d+Au collisions and the Cronin effect. Physical Review C, 2004, 70, .	2.9	32
17	Centrality Scaling of the $p_T$ Distribution of Pions. Physical Review Letters, 2003, 90, 212301.	7.8	28
18	Away-side azimuthal distribution in a Markovian parton scattering model. Physical Review C, 2006, 74, .	2.9	28

#	ARTICLE	IF	CITATIONS
19	Dependence of ridge formation on trigger azimuth: Correlated emission model. Physical Review C, 2009, 79, .	2.9	24
20	Dihadron correlation in jets produced in heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	23
21	Proton Enhancement at LargepTat the CERN Large Hadron Collider without Structure in Associated-Particle Distribution. Physical Review Letters, 2006, 97, 042301.	7.8	23
22	Azimuthal anisotropy: Ridges, recombination, and breaking of quark number scaling. Physical Review C, 2008, 78, .	2.9	23
23	Centrality dependence of baryon and meson momentum distributions in proton-nucleus collisions. Physical Review C, 2002, 65, .	2.9	21
24	Associated particle distributions in jets produced in heavy-ion collisions. Physical Review C, 2005, 72, .	2.9	20
25	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
26	Critical fluctuation of wind reversals in convective turbulence. Physical Review E, 2005, 72, 066308.	2.1	15
27	Elliptic flow arising from ridges due to semi-hard scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 228-231.	4.1	15
28	Ridge formation induced by jets in $pp$ collisions at 7 TeV. Physical Review C, 2011, 83, .	2.9	15
29	Strangeness enhancement in the parton model. Physical Review C, 2002, 66, .	2.9	12
30	Spectra of identified hadrons in Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. Physical Review C, 2011, 84, .	2.9	12
31	Effects of gluon depletion on $\hat{v}_2$ suppression in pA and AA collisions. Physical Review C, 2001, 64, .	2.9	11
32	Relating meson and baryon fragmentation functions by shower-parton recombination. Physical Review C, 2006, 73, .	2.9	11
33	Parton and hadron correlations in jets. Physical Review C, 2005, 72, .	2.9	9
34	Hadron correlation in jets on the near and away sides of high-pT triggers in heavy-ion collisions. Physical Review C, 2009, 79, .	2.9	9
35	Scaling behavior of the azimuthal and centrality dependencies of jet production in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	9
36	The omega puzzle. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S789-S792.	3.6	7

#	ARTICLE	IF	CITATIONS
37	Centrality and transverse momentum dependencies of minijets and hadrons in Au-Au collisions. Physical Review C, 2013, 88, .	2.9	7
38	Recognizing Critical Behavior amidst Minijets at the Large Hadron Collider. Advances in High Energy Physics, 2015, 2015, 1-10.	1.1	7
39	Fractional energy loss and centrality scaling. Physical Review C, 2004, 69, .	2.9	6
40	Relationship between the azimuthal dependencies of nuclear modification factor and ridge yield. Physical Review C, 2010, 81, .	2.9	6
41	Effects of minijets on hadronic spectra and azimuthal harmonics in Au-Au collisions at 200 GeV. Physical Review C, 2012, 86, .	2.9	6
42	Universal formula for baryon spectra in heavy-ion collisions and its implications. Physical Review C, 2018, 97, .	2.9	6
43	GEOMETRICAL AND DYNAMICAL MULTIPLICITY FLUCTUATIONS IN HIGH-ENERGY NUCLEAR COLLISIONS. International Journal of Modern Physics A, 1989, 04, 481-492.	1.5	5
44	Particles associated with $\hat{I}_0$ produced at intermediate $T$ . Physical Review C, 2007, 76, .	2.9	5
45	Forward production with large $p_T/\sqrt{s}$ ratio and without jet structure at any $p_T$ . Physical Review C, 2007, 76, .	2.9	5
46	Fluctuation of gaps in hadronization at the phase transition. Physical Review C, 2002, 66, .	2.9	4
47	THE GLOBAL EFFECTS OF STROKE ON THE HUMAN ELECTROENCEPHALOGRAM. Journal of Integrative Neuroscience, 2003, 02, 45-53.	1.7	4
48	Autocorrelation of hadrons in jets produced in heavy-ion collisions. Physical Review C, 2006, 73, .	2.9	4
49	BRANCHING PROCESSES IN MULTIPARTICLE PRODUCTION. Advanced Series on Directions in High Energy Physics, 1988, , 556-613.	0.7	4
50	POSSIBLE DYNAMICAL ORIGINS OF INTERMITTENCY IN HIGH ENERGY COLLISIONS. Modern Physics Letters A, 1994, 09, 863-874.	1.2	3
51	Hadron production in the transfragmentation region in heavy-ion collisions. Physical Review C, 2006, 73, .	2.9	3
52	Ridge and Transverse Correlation without Long-Range Longitudinal Correlation. Advances in High Energy Physics, 2013, 2013, 1-11.	1.1	3
53	Phenomenological Implications of the $\langle p_{T,0} \rangle$ Spectra of $\langle \hat{I}_0 \rangle$ and $\hat{a}_{0,1}$ produced at LHC and RHIC. Journal of Physics: Conference Series, 2017, 779, 012049.	0.4	3
54	Centrality and transverse-momentum dependence of hadrons in $\sqrt{s_{NN}} = 2.76, 4.0, 2.76, 2.0, 1.3, 0.9, 0.76, 0.6, 0.4, 0.2, 0.1, 0.076, 0.04, 0.02, 0.01, 0.0076, 0.004, 0.002, 0.001, 0.00076, 0.0004, 0.0002, 0.0001$ collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2021, 104, .		

#	ARTICLE	IF	CITATIONS
55	Comparison of nuclear suppression effects on meson production at high pT and pL. Physical Review C, 2003, 68, .	2.9	2
56	Forward production of protons and pions in heavy-ion collisions. Physical Review C, 2008, 78, .	2.9	2
57	SELF-SIMILARITY IN MULTIPLICITY FLUCTUATIONS. Advanced Series on Directions in High Energy Physics, 1990, , 665-712.	0.7	1
58	SCALING PROPERTIES OF QUARK-HADRON PHASE TRANSITION. , 1995, , 749-784.		1
59	EFFECTS OF MINIJETTS ON COMMON OBSERVABLES IN HEAVY-ION COLLISIONS WITH UNCOMMON IMPLICATION. International Journal of Modern Physics E, 2013, 22, 1330003.	1.0	1
60	A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 055102.	3.6	1
61	HADRON CORRELATIONS IN JETS AND RIDGES THROUGH PARTON RECOMBINATION. , 2010, , 267-322.		1
62	Strange and charm quarks in hadrons. AIP Conference Proceedings, 1982, , .	0.4	0
63	AZIMUTHAL CORRELATION FOR COHERENT SOURCES IN PHASE TRANSITION. Modern Physics Letters A, 1994, 09, 3495-3503.	1.2	0
64	CENTRALITY DEPENDENCE OF BARYON AND MESON MOMENTUM DISTRIBUTIONS IN PA COLLISIONS. , 2002, , .		0
65	FLUCTUATIONS IN HUMAN ELECTROENCEPHALOGRAPH. , 2003, , .		0
66	GAP ANALYSIS FOR CRITICAL FLUCTUATIONS. , 2003, , .		0
67	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