

Cheuk-Yin Wong

List of Publications by Year in descending order

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150
papers

3,694
citations

172207

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168136

53
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154
all docs

154
docs citations

154
times ranked

3200
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular states of heavy quark mesons. Physical Review C, 2004, 69, .	1.1	197
2	Heavy quarkonia in quark-gluon plasma. Physical Review C, 2005, 72, .	1.1	171
3	Dynamics of nuclear fluid. VIII. Time-dependent Hartree-Fock approximation from a classical point of view. Physical Review C, 1982, 25, 1460-1475.	1.1	168
4	Extended Time-Dependent Hartree-Fock Approximation with Particle Collisions. Physical Review Letters, 1978, 40, 1070-1073.	2.9	143
5	Finite-size effect in the Schwinger particle-production mechanism. Physical Review D, 1988, 38, 348-359.	1.6	126
6	Tsallis fits to p_T spectra and multiple hard scattering collisions at the LHC. Physical Review Letters, 2012, 109, 012301.	1.6	120
7	Production of p and \bar{p} in high-energy collisions. Physical Review Letters, 1970, 25, 1613-1616.	1.6	108
8	Evidence for Orbital Dispersion in the Fragmentation of O^{16} at 90 and 120 MeV/Nucleon. Physical Review Letters, 1979, 43, 840-844.	2.9	95
9	Cross sections for e^- and μ^- induced dissociation of J/ψ and $\psi(2S)$. Physical Review C, 2000, 62, .	1.1	90
10	Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions. Physical Review C, 2001, 65, .	1.1	89
11	Landau hydrodynamics reexamined. Physical Review C, 2008, 78, .	1.1	85
12	Title is missing!. Acta Physica Polonica B, 2012, 43, 2047.	0.3	71
13	Effects of parton intrinsic transverse momentum on photon production in hard-scattering processes. Physical Review C, 1998, 58, 376-388.	1.1	67
14	Dynamics of nuclear fluid. V. Extended time-dependent Hartree-Fock approximation illuminates the approach to thermal equilibrium. Physical Review C, 1979, 20, 1419-1452.	1.1	58
15	Dissociation of a heavy quarkonium at high temperatures. Physical Review C, 2002, 65, .	1.1	53
16	Scalar magnetic (e^+e^-) resonance as possible source of an anomalous e^+ peak in heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 251-255.	1.5	52
17	Widths of quarkonia in quark gluon plasma. Physical Review C, 2007, 76, .	1.1	43
18	Reaction matrix elements for shell-model studies of nuclear spectra. Nuclear Physics A, 1967, 91, 433-438.	0.6	40

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37	Dynamics of nuclear fluid. VI. Nuclear giant resonances as elastic vibrations. <i>Physical Review C</i> , 1981, 24, 2290-2310.	1.1	26
38	Approximate treatment of particle collisions in the time-dependent mean-field theory. <i>Physical Review C</i> , 1983, 28, 240-251.	1.1	26
39	Baryon distribution in relativistic heavy-ion collisions. <i>Physical Review D</i> , 1984, 30, 972-984.	1.6	25
40	Potential models and lattice gauge current-current correlators. <i>Physical Review D</i> , 2007, 75, .	1.6	25
41	Chaoticity parameter $\hat{\nu}$ in Hanbury-Brownâ€Twiss interferometry. <i>Physical Review C</i> , 2007, 76, .	1.1	25
42	Hot Toroidal and Bubble Nuclei. <i>Physical Review Letters</i> , 1985, 55, 1973-1975.	2.9	24
43	Relaxation of some fermion nonequilibrium momentum distributions. <i>Physical Review C</i> , 1982, 25, 1018-1027.	1.1	23
44	Study of particle production using two-dimensional bosonized QED. <i>Physical Review D</i> , 1991, 44, 257-262.	1.6	23
45	Suppression of $\hat{\nu}^2$ and $\hat{\nu}$ in High-Energy Heavy-Ion Collisions. <i>Physical Review Letters</i> , 1996, 76, 196-199.	2.9	23
46	Relativistic N-body problem in a separable two-body basis. <i>Physical Review C</i> , 2001, 63, .	1.1	22
47	Dissociation of heavy quarkonia in the quark&dash\$gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2002, 28, 2349-2364.	1.4	22
48	Intensity interferometry for a chaotic source with a collective flow and multiple scattering. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 2151-2167.	1.4	21
49	Rotating toroidal nuclei. <i>Physical Review C</i> , 1978, 17, 331-340.	1.1	20
50	Possible Implication of a Single Nonextensive pTDistribution for Hadron Production in High-Energy pp Collisions. <i>EPJ Web of Conferences</i> , 2015, 90, 04002.	0.1	20
51	Schwinger particle-production mechanism for a finite-length flux tube with transverse confinement. <i>Physical Review D</i> , 1995, 51, 3940-3943.	1.6	19
52	Does HBT measure the freeze-out source distribution?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, S1053-S1057.	1.4	19
53	Coulomb final state interaction and the charge effect in heavy ion projectile fragmentation at intermediate energies. <i>Physical Review C</i> , 1982, 25, 2990-2995.	1.1	18
54	Anomalous soft photons in hadron production. <i>Physical Review C</i> , 2010, 81, .	1.1	18

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55	Boundary and Coulomb effects on boson systems in high-energy heavy-ion collisions. <i>Physical Review C</i> , 1995, 51, 2135-2143.	1.1	17
56	Quarkonia and quark drip lines in a quark-gluon plasma. <i>Physical Review C</i> , 2007, 76, .	1.1	17
57	Direct fragmentation and hard-scattering processes in relativistic heavy-ion reactions. <i>Physical Review C</i> , 1980, 22, 2433-2448.	1.1	16
58	Soft gluon emission process in the color-octet model for heavy quarkonium production. <i>Physical Review D</i> , 1999, 60, .	1.6	16
59	Signals in single-event pion interferometry for granular sources of quark-gluon plasma droplets. <i>Physical Review C</i> , 2005, 71, .	1.1	16
60	Nucleon-nucleus reactions at ultrarelativistic energies. <i>Physical Review D</i> , 1985, 32, 94-114.	1.6	15
61	SINGULARITY-FREE BREIT EQUATION FROM CONSTRAINT TWO-BODY DIRAC EQUATIONS. <i>International Journal of Modern Physics E</i> , 1996, 05, 589-615.	0.4	15
62	Relativistic modification of the Gamow factor. <i>Physical Review C</i> , 2000, 61, .	1.1	15
63	Explicit solution of the time evolution of the Wigner function. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, S420-S428.	1.4	15
64	Signature of granular structures by single-event intensity interferometry. <i>Physical Review C</i> , 2004, 70, .	1.1	15
65	The transverse profile of a color flux tube. <i>Physics Reports</i> , 1994, 242, 489-494.	10.3	14
66	Suppression of J/ψ and ψ' production in high-energy Pb on Pb collisions. <i>Physical Review C</i> , 1997, 55, 2621-2624.	1.1	14
67	Momentum kick model analysis of PHENIX near-side ridge data and photon jet. <i>Physical Review C</i> , 2009, 80, .	1.1	14
68	Dynamics of nuclear fluid. IV. Some spin and isospin properties in the hydrodynamical model. <i>Physical Review C</i> , 1978, 17, 1832-1847.	1.1	13
69	Wigner function of produced particles in string fragmentation. <i>Physical Review C</i> , 2009, 80, .	1.1	13
70	Reaction cross sections in heavy-ion collisions. <i>Physical Review C</i> , 2012, 86, .	1.1	13
71	A region of high-spin toroidal isomers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 401-404.	1.5	13
72	Multiple-collision model for high-energy nucleus-nucleus collisions. <i>Physical Review D</i> , 1989, 39, 2606-2616.	1.6	12

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73	Effects of boundary on momentum distribution of quarks in a quark-gluon plasma. <i>Physical Review C</i> , 1993, 48, 902-905.	1.1	12
74	Open string QED meson description of the X17 particle and dark matter. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	12
75	Dynamics of nuclear fluid. VII. Isovector, spin-vector, and spin-isovector giant multipole resonances as elastic vibrations. <i>Physical Review C</i> , 1982, 25, 2787-2794.	1.1	11
76	Signatures of absorption mechanisms for and $\bar{\psi}\psi$ production in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , 1998, 630, 487-498.	0.6	11
77	Analytical solutions of Landau (1+1)-dimensional hydrodynamics. <i>Physical Review C</i> , 2014, 90, .	1.1	11
78	Selection of central events in intermediate energy heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979, 88, 39-42.	1.5	10
79	Correction factors for reactions involving $qq\bar{q}\bar{q}$ annihilation or production. <i>Physical Review C</i> , 1995, 51, 2125-2134.	1.1	10
80	Excess dileptons in high-energy nucleus-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 367, 50-54.	1.5	10
81	Anomalous J/ψ suppression and charmonium dissociation cross sections. <i>Physical Review C</i> , 2003, 67, .	1.1	10
82	Compactification of QCD^4 to QCD^2 in a flux tube. <i>Physical Review D</i> , 2012, 86, .	1.6	10
83	Effects of screening on quark-antiquark cross sections in quark-gluon plasma. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997, 75, 523-534.	1.5	9
84	Total hadron-hadron cross sections at high energies. <i>Physical Review C</i> , 2003, 68, .	1.1	9
85	Relativistic generalization of the Gamow factor for fermion pair production or annihilation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, 149-160.	1.4	9
86	Magnetic states at short distances. <i>Physical Review D</i> , 2012, 85, .	1.6	9
87	Toroidal high-spin isomers in light nuclei with $N \approx Z$. <i>Physica Scripta</i> , 2015, 90, 114006.	1.2	9
88	Toroidal high-spin isomers in the nucleus $^{120}_{30}Mg$. <i>Physical Review C</i> , 2017, 95, .	1.1	9
89	Exploring early parton momentum distribution with the ridge from the near-side jet. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 104085.	1.4	8
90	Hanbury-Brown-Twiss interferometry with quantum transport of the interfering pair. <i>Physical Review C</i> , 2008, 78, .	1.1	8

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91	Chaoticity parameter λ in two-pion interferometry in an expanding boson gas model. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 125101.	1.4	8
92	Transverse-momentum distribution of produced particles in ultrarelativistic nucleus-nucleus collisions. Physical Review D, 1985, 32, 1706-1715.	1.6	7
93	Photon bremsstrahlung from ultrarelativistic nuclear collisions. Physical Review C, 1986, 33, 153-155.	1.1	7
94	Color-octet fraction in J/ψ production and absorption. Physical Review D, 1998, 57, 1838-1845.	1.6	7
95	Extended Glauber model of antiproton-nucleus annihilation for all energies and mass numbers. Physical Review C, 2014, 89, .	1.1	7
96	Nuclear annihilation by antinucleons. Physical Review C, 2016, 93, .	1.1	7
97	Optical model potential analysis of n and n interactions. Physical Review C, 2016, 93, .	1.1	7
98	Quantum Treatment of the Multiple Scattering and Collective Flow in Intensity Interferometry. AIP Conference Proceedings, 2006, , .	0.3	6
99	Heavy quarkonia and quark drip lines in quark-gluon plasma. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, S301-S307.	1.4	6
100	EXPLANATION OF THE RHIC HBT PUZZLE BY A GRANULAR SOURCE OF QUARK-GLUON PLASMA DROPLETS. International Journal of Modern Physics E, 2007, 16, 3262-3270.	0.4	6
101	Signature of the fragmentation of a color flux tube. Physical Review D, 2015, 92, .	1.6	6
102	Reply to "Comment on 'Exactly central heavy-ion collisions by nuclear hydrodynamics' ". Physical Review C, 1982, 26, 284-286.	1.1	5
103	Hot rotating toroidal nuclei. Physical Review C, 1986, 34, 1094-1096.	1.1	5
104	Anomalous Soft Photons associated with Hadron Production in String Fragmentation. AIP Conference Proceedings, 2011, , .	0.3	5
105	An Overview of the Anomalous Soft Photons in Hadron Production. , 2014, , .		5
106	Rotating toroidal nuclei in heavy-ion reactions. Physical Review C, 1984, 30, 1949-1952.	1.1	4
107	Transverse-momentum distribution of π^0 and its product gamma rays. Physical Review D, 1986, 33, 711-716.	1.6	4
108	Stopping of heavy nuclei in relativistic heavy-ion collisions. Physical Review C, 1986, 33, 1340-1343.	1.1	4

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109	Nuclear stopping power and recoiling nucleons. <i>Physica Scripta</i> , 1993, 47, 151-159.	1.2	4
110	QUARK MODEL WITH A REGULARIZED BREIT POTENTIAL. <i>International Journal of Modern Physics E</i> , 2009, 18, 729-745.	0.4	4
111	Meson spectra governed by the Fermi-Breit potential. <i>Chinese Physics C</i> , 2009, 33, 170-176.	1.5	4
112	Stability of matter-antimatter molecules. <i>Annals of Physics</i> , 2011, 326, 2138-2164.	1.0	4
113	Fragmentation of a finite-mass string. <i>Physical Review D</i> , 1991, 44, 679-691.	1.6	3
114	Transverse energy and forward energy production in a high energy nuclear collision model. <i>Physical Review C</i> , 1992, 46, 748-753.	1.1	3
115	Two Gamma Quarkonium and Positronium Decays with Two-Body Dirac Equations of Constraint Dynamics. <i>Journal of Physics: Conference Series</i> , 2007, 69, 012021.	0.3	3
116	Bose-Einstein interference in the passage of a jet in a dense medium. <i>Physical Review C</i> , 2012, 85, .	1.1	3
117	CHAOTIC PARAMETER $\hat{\nu}$ IN HANBURY-BROWN-TWISS INTERFEROMETRY IN AN ANISOTROPIC BOSON GAS MODEL. <i>International Journal of Modern Physics E</i> , 2013, 22, 1350083.	0.4	3
118	Longitudinal hydrodynamics from event-by-event Landau initial conditions. <i>Physical Review C</i> , 2015, 91, .	1.1	3
119	Shells in a toroidal nucleus in the intermediate-mass region. <i>Physical Review C</i> , 2018, 98, .	1.1	3
120	Mean-field effects in intermediate-energy, heavy-ion reactions. <i>Physical Review C</i> , 1982, 26, 1502-1508.	1.1	2
121	Foundation of Hydrodynamics for Systems with Strong Interactions. , 2010, , .		2
122	Event-by-event study of space-time dynamics in flux-tube fragmentation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 075102.	1.4	2
123	Clustering properties of produced particles in high-energy pp collisions. <i>Physical Review D</i> , 2020, 102, .	1.6	2
124	Meson-meson scattering in relativistic constraint dynamics. <i>Journal of Physics: Conference Series</i> , 2005, 9, 178-182.	0.3	1
125	PION ELLIPTIC FLOW AND HBT INTERFEROMETRY IN A GRANULAR QUARK-GLUON PLASMA DROPLET MODEL. <i>International Journal of Modern Physics E</i> , 2007, 16, 1832-1838.	0.4	1
126	SINGLE-EVENT HANBURY-BROWN-TWISS INTERFEROMETRY. <i>International Journal of Modern Physics E</i> , 2007, 16, 3271-3279.	0.4	1

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127	On the Mass Difference between Ξ and Ξ' Using a Relativistic Two-Body Model. Few-Body Systems, 2013, 54, 475-478.	0.7	1
128	Feynman Amplitude Approach to study the Passage of a Jet in a Medium. Journal of Physics: Conference Series, 2013, 420, 012028.	0.3	1
129	Hydrodynamics from Landau initial conditions. Journal of Physics: Conference Series, 2015, 630, 012042.	0.3	1
130	Pocket resonances in low-energy antineutron reactions with nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136301.	1.5	1
131	The incorporation of particle collisions in the time-dependent hartree-fock approximation. , 1982, , 131-141.		1
132	Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions. , 0, .		1
133	Additional Background Material on the Nobel Prize in Physics 1998. , 1999, , 9-20.		1
134	On the stability of the open-string QED neutron and dark matter. European Physical Journal A, 2022, 58, .	1.0	1
135	Extended Time-Dependent Hartree-Fock Approximation with Particle Collisions.. Physical Review Letters, 1978, 40, 1538-1538.	2.9	0
136	Wong responds. Physical Review Letters, 1987, 58, 426-426.	2.9	0
137	The role of produced hadrons in J/ψ suppression. Nuclear Physics A, 2003, 715, 541c-544c.	0.6	0
138	Dynamics of Quarks in a 2D Flux Tube. EPJ Web of Conferences, 2015, 90, 01004.	0.1	0
139	Signatures of Flux Tube Fragmentation and Strangeness Correlations in pp Collisions. Journal of Physics: Conference Series, 2017, 779, 012046.	0.3	0
140	Recent Advances and Cross-Century Outlooks in Physics. , 2000, , .		0
141	RELATIVISTIC GENERALIZATION OF THE POST-PRIOR EQUIVALENCE FOR REACTION OF COMPOSITE PARTICLES. , 2002, , .		0
142	Foundation of Hydrodynamics of Strongly Interacting Systems. EPJ Web of Conferences, 2014, 71, 00140.	0.1	0
143	A Guest at the Nobel Prize Ceremonies: The Diary of James Wei, December 15, 1998. , 1999, , 131-139.		0
144	Ξ and Ξ' , , 1999, , 108-120.		0

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145	The Nobel Award Announcement from the Swedish Academy of Sciences. , 1999, , 1-8.		0
146	è¼ç¼ç¼é•æžæ¼æ²è†`è¼-, 1999, , 159-159.		0
147	è^â¼ÿâ”ç†â¼€äº. , 1999, , 21-23.		0
148	Professor Daniel Tsui Wins 1998 Nobel Prize in Physics. , 1999, , 124-126.		0
149	Dan Tsui at the Special Classes Center in Hong Kong in 1957/1958. , 1999, , 74-86.		0
150	An Open Letter to Daniel C. Tsui, from Royal W. Stark. , 1999, , 103-107.		0