

Cheuk-Yin Wong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144
papers

3,264
citations

29
h-index

51
g-index

154
ext. papers

3,449
ext. citations

3.3
avg. IF

5.68
L-index

#	Paper	IF	Citations
144	Pocket resonances in low-energy antineutron reactions with nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 817, 136301	4.2	
143	Clustering properties of produced particles in high-energy pp collisions. <i>Physical Review D</i> , 2020 , 102,	4.9	1
142	Open string QED meson description of the X17 particle and dark matter. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
141	Shells in a toroidal nucleus in the intermediate-mass region. <i>Physical Review C</i> , 2018 , 98,	2.7	1
140	Optical model potential analysis of $n\alpha$ and nA interactions. <i>Physical Review C</i> , 2018 , 97,	2.7	5
139	Toroidal high-spin isomers in the nucleus 120304. <i>Physical Review C</i> , 2017 , 95,	2.7	8
138	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	2.9	2
137	Signatures of Flux Tube Fragmentation and Strangeness Correlations in pp Collisions. <i>Journal of Physics: Conference Series</i> , 2017 , 779, 012046	0.3	
136	Nuclear annihilation by antinucleons. <i>Physical Review C</i> , 2016 , 93,	2.7	6
135	Longitudinal hydrodynamics from event-by-event Landau initial conditions. <i>Physical Review C</i> , 2015 , 91,	2.7	3
134	From QCD-based hard-scattering to nonextensive statistical mechanical descriptions of transverse momentum spectra in high-energy pp and pp collisions. <i>Physical Review D</i> , 2015 , 91,	4.9	83
133	Signature of the fragmentation of a color flux tube. <i>Physical Review D</i> , 2015 , 92,	4.9	6
132	Dynamics of Quarks in a 2D Flux Tube. <i>EPJ Web of Conferences</i> , 2015 , 90, 01004	0.3	
131	Hydrodynamics from Landau initial conditions. <i>Journal of Physics: Conference Series</i> , 2015 , 630, 012042	0.3	
130	Toroidal high-spin isomers in light nuclei with $N \leq 8$. <i>Physica Scripta</i> , 2015 , 90, 114006	2.6	7
129	Possible Implication of a Single Nonextensive pT Distribution for Hadron Production in High-Energy pp Collisions. <i>EPJ Web of Conferences</i> , 2015 , 90, 04002	0.3	20
128	Chaoticity parameter in two-pion interferometry in an expanding boson gas model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 125101	2.9	4

127	Extended Glauber model of antiproton-nucleus annihilation for all energies and mass numbers. <i>Physical Review C</i> , 2014 , 89,	2.7	6
126	Analytical solutions of Landau (1+1)-dimensional hydrodynamics. <i>Physical Review C</i> , 2014 , 90,	2.7	8
125	A region of high-spin toroidal isomers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 401-404	4.2	10
124	Foundation of Hydrodynamics of Strongly Interacting Systems. <i>EPJ Web of Conferences</i> , 2014 , 71, 00140.	0.3	
123	On the Mass Difference between Λ and Σ Using a Relativistic Two-Body Model. <i>Few-Body Systems</i> , 2013 , 54, 475-478	1.6	1
122	Tsallis fits to pT spectra and multiple hard scattering in pp collisions at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	107
121	CHAOTIC PARAMETER IN HANBURY-BROWN-TWISS INTERFEROMETRY IN AN ANISOTROPIC BOSON GAS MODEL. <i>International Journal of Modern Physics E</i> , 2013 , 22, 1350083	0.7	2
120	Feynman Amplitude Approach to study the Passage of a Jet in a Medium. <i>Journal of Physics: Conference Series</i> , 2013 , 420, 012028	0.3	1
119	. <i>Acta Physica Polonica B</i> , 2012 , 43, 2047	1.9	61
118	Bose-Einstein interference in the passage of a jet in a dense medium. <i>Physical Review C</i> , 2012 , 85,	2.7	3
117	Magnetic states at short distances. <i>Physical Review D</i> , 2012 , 85,	4.9	8
116	Reaction cross sections in heavy-ion collisions. <i>Physical Review C</i> , 2012 , 86,	2.7	12
115	Compactification of QCD4 to QCD2 in a flux tube. <i>Physical Review D</i> , 2012 , 86,	4.9	4
114	Stability of matter-antimatter molecules. <i>Annals of Physics</i> , 2011 , 326, 2138-2164	2.5	4
113	Momentum-kick model description of the ridge in $\pi\pi$ correlations in pp collisions at 7 TeV. <i>Physical Review C</i> , 2011 , 84,	2.7	29
112	Anomalous soft photons in hadron production. <i>Physical Review C</i> , 2010 , 81,	2.7	9
111	Momentum kick model analysis of PHENIX near-side ridge data and photon jet. <i>Physical Review C</i> , 2009 , 80,	2.7	14
110	Wigner function of produced particles in string fragmentation. <i>Physical Review C</i> , 2009 , 80,	2.7	8

109	QUARK MODEL WITH A REGULARIZED BREIT POTENTIAL. <i>International Journal of Modern Physics E</i> , 2009 , 18, 729-745	0.7	4
108	Meson spectra governed by the FermiBreit potential. <i>Chinese Physics C</i> , 2009 , 33, 170-176	2.2	4
107	Singularity structures in Coulomb-type potentials in two-body Dirac equations of constraint dynamics. <i>Physical Review D</i> , 2009 , 79,	4.9	31
106	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	2.9	8
105	Momentum kick model description of the near-side ridge and jet quenching. <i>Physical Review C</i> , 2008 , 78,	2.7	29
104	Landau hydrodynamics reexamined. <i>Physical Review C</i> , 2008 , 78,	2.7	79
103	Hanbury-BrownTwiss interferometry with quantum transport of the interfering pair. <i>Physical Review C</i> , 2008 , 78,	2.7	8
102	The thermal width of heavy quarkonia moving in quarkgluon plasma. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 621-627	4.2	26
101	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	0.7	1
100	EXPLANATION OF THE RHIC HBT PUZZLE BY A GRANULAR SOURCE OF QUARK-GLUON PLASMA DROPLETS. <i>International Journal of Modern Physics E</i> , 2007 , 16, 3262-3270	0.7	6
99	SINGLE-EVENT HANBURY-BROWNTWISS INTERFEROMETRY. <i>International Journal of Modern Physics E</i> , 2007 , 16, 3271-3279	0.7	1
98	Quarkonia and quark drip lines in a quark-gluon plasma. <i>Physical Review C</i> , 2007 , 76,	2.7	16
97	Ridge structure in the $\langle \eta \rangle$ correlation function associated with a near-side jet. <i>Physical Review C</i> , 2007 , 76,	2.7	33
96	Widths of quarkonia in quark gluon plasma. <i>Physical Review C</i> , 2007 , 76,	2.7	41
95	Potential models and lattice gauge current-current correlators. <i>Physical Review D</i> , 2007 , 75,	4.9	23
94	Chaoticity parameter χ in Hanbury-BrownTwiss interferometry. <i>Physical Review C</i> , 2007 , 76,	2.7	17
93	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	2
92	Quantum Treatment of the Multiple Scattering and Collective Flow in Intensity Interferometry. <i>AIP Conference Proceedings</i> , 2006 ,	0	6

91	Heavy quarkonia and quark drip lines in quark-gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, S301-S307	2.9	6
90	Tests of two-body Dirac equation wave functions in the decays of quarkonium and positronium into two photons. <i>Physical Review D</i> , 2006 , 74,	4.9	23
89	Analysis of pion elliptic flow and Hanbury-Brown-Twiss interferometry in a granular quark-gluon plasma droplet model. <i>Physical Review C</i> , 2006 , 74,	2.7	25
88	Meson-meson scattering in relativistic constraint dynamics. <i>Journal of Physics: Conference Series</i> , 2005 , 9, 178-182	0.3	1
87	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	2.9	8
86	Heavy quarkonia in quark-gluon plasma. <i>Physical Review C</i> , 2005 , 72,	2.7	155
85	Signals in single-event pion interferometry for granular sources of quark-gluon plasma droplets. <i>Physical Review C</i> , 2005 , 71,	2.7	16
84	Does HBT measure the freeze-out source distribution?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, S1053-S1057	2.9	19
83	Molecular states of heavy quark mesons. <i>Physical Review C</i> , 2004 , 69,	2.7	168
82	Pion interferometry for a granular source of quark-gluon plasma droplets. <i>Physical Review C</i> , 2004 , 70,	2.7	31
81	Signature of granular structures by single-event intensity interferometry. <i>Physical Review C</i> , 2004 , 70,	2.7	15
80	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	2.9	21
79	Explicit solution of the time evolution of the Wigner function. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003 , 5, S420-S428		13
78	The role of produced hadrons in J/ψ suppression. <i>Nuclear Physics A</i> , 2003 , 715, 541c-544c	1.3	
77	Anomalous J/ψ suppression and charmonium dissociation cross sections. <i>Physical Review C</i> , 2003 , 67,	2.7	8
76	Total hadron-hadron cross sections at high energies. <i>Physical Review C</i> , 2003 , 68,	2.7	9
75	Dissociation of a heavy quarkonium at high temperatures. <i>Physical Review C</i> , 2002 , 65,	2.7	46
74	Dissociation of heavy quarkonia in the quark-gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2002 , 28, 2349-2364	2.9	21

73	Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2001 , 65,	2.7	81
72	Relativistic N-body problem in a separable two-body basis. <i>Physical Review C</i> , 2001 , 63,	2.7	21
71	Cross sections for Υ and Υ' induced dissociation of J/ψ and ψ' . <i>Physical Review C</i> , 2000 , 62,	2.7	82
70	Relativistic modification of the Gamow factor. <i>Physical Review C</i> , 2000 , 61,	2.7	12
69	Soft gluon emission process in the color-octet model for heavy quarkonium production. <i>Physical Review D</i> , 1999 , 60,	4.9	15
68	Additional Background Material on the Nobel Prize in Physics 1998 1999 , 9-20		1
67	A Guest at the Nobel Prize Ceremonies: The Diary of James Wei, December 15, 1998 1999 , 131-139		
66	??? 1999 , 108-120		
65	The Nobel Award Announcement from the Swedish Academy of Sciences 1999 , 1-8		
64	????????? 1999 , 159-159		
63	?????? 1999 , 21-23		
62	Professor Daniel Tsui Wins 1998 Nobel Prize in Physics 1999 , 124-126		
61	Dan Tsui at the Special Classes Center in Hong Kong in 1957/1958 1999 , 74-86		
60	An Open Letter to Daniel C. Tsui, from Royal W. Stark 1999 , 103-107		
59	Signatures of absorption mechanisms for and ψ' production in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , 1998 , 630, 487-498	1.3	11
58	Effects of parton intrinsic transverse momentum on photon production in hard-scattering processes. <i>Physical Review C</i> , 1998 , 58, 376-388	2.7	59
57	Color-octet fraction in J/ψ production and absorption. <i>Physical Review D</i> , 1998 , 57, 1838-1845	4.9	6
56	Suppression of J/ψ and ψ' production in high-energy Pb on Pb collisions. <i>Physical Review C</i> , 1997 , 55, 2621-2624	2.7	14

55	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		8
54	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	4.2	9
53	J/ψ and ψ' suppression in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , 1996 , 610, 434-441	1.3	27
52	Suppression of ψ and J/ψ in high-energy heavy-ion collisions. <i>Physical Review Letters</i> , 1996 , 76, 196-199	1.2	22
51	SINGULARITY-FREE BREIT EQUATION FROM CONSTRAINT TWO-BODY DIRAC EQUATIONS. <i>International Journal of Modern Physics E</i> , 1996 , 05, 589-615	0.7	14
50	Correction factors for reactions involving $q\bar{q}$ annihilation or production. <i>Physical Review C</i> , 1995 , 51, 2125-2134	2.7	8
49	Schwinger particle-production mechanism for a finite-length flux tube with transverse confinement. <i>Physical Review D</i> , 1995 , 51, 3940-3943	4.9	15
48	Boundary and Coulomb effects on boson systems in high-energy heavy-ion collisions. <i>Physical Review C</i> , 1995 , 51, 2135-2143	2.7	17
47	The transverse profile of a color flux tube. <i>Physics Reports</i> , 1994 , 242, 489-494	27.7	13
46	Introduction to High-Energy Heavy-Ion Collisions 1994 ,		204
45	Nuclear stopping power and recoiling nucleons. <i>Physica Scripta</i> , 1993 , 47, 151-159	2.6	4
44	Effects of boundary on momentum distribution of quarks in a quark-gluon plasma. <i>Physical Review C</i> , 1993 , 48, 902-905	2.7	12
43	Formation and decay of toroidal and bubble nuclei and the nuclear equation of state. <i>Physical Review C</i> , 1993 , 48, 933-936	2.7	29
42	Transverse energy and forward energy production in a high energy nuclear collision model. <i>Physical Review C</i> , 1992 , 46, 748-753	2.7	3
41	Origin of the soft p_T spectra. <i>Physical Review D</i> , 1992 , 46, 997-1006	4.9	30
40	Study of particle production using two-dimensional bosonized QED. <i>Physical Review D</i> , 1991 , 44, 257-262	4.9	21
39	Fragmentation of a finite-mass string. <i>Physical Review D</i> , 1991 , 44, 679-691	4.9	3
38	Multiple-collision model for high-energy nucleus-nucleus collisions. <i>Physical Review D</i> , 1989 , 39, 2606-2616		12

- 37 Finite-size effect in the Schwinger particle-production mechanism. *Physical Review D*, **1988**, 38, 348-359 4.9 119
- 36 Wong responds. *Physical Review Letters*, **1987**, 58, 426 7.4
- 35 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 4.5 52
- 34 Photon bremsstrahlung from ultrarelativistic nuclear collisions. *Physical Review C*, **1986**, 33, 153-155 2.7 6
- 33 Hot rotating toroidal nuclei. *Physical Review C*, **1986**, 34, 1094-1096 2.7 4
- 32 Anomalous positron peak in heavy-ion collisions. *Physical Review Letters*, **1986**, 56, 1047-1050 7.4 28
- 31 Transverse-momentum distribution of π^0 and its product gamma rays. *Physical Review D*, **1986**, 33, 711-716 4.9 4
- 30 Stopping of heavy nuclei in relativistic heavy-ion collisions. *Physical Review C*, **1986**, 33, 1340-1343 2.7 4
- 29 Transverse-momentum distribution of produced particles in ultrarelativistic nucleus-nucleus collisions. *Physical Review D*, **1985**, 32, 1706-1715 4.9 6
- 28 Nucleon-nucleus reactions at ultrarelativistic energies. *Physical Review D*, **1985**, 32, 94-114 4.9 15
- 27 Hot toroidal and bubble nuclei. *Physical Review Letters*, **1985**, 55, 1973-1975 7.4 21
- 26 Baryon Distribution in Relativistic Heavy-Ion Collisions. *Physical Review Letters*, **1984**, 52, 1393-1396 7.4 33
- 25 Initial energy density of quark-gluon plasma in relativistic heavy-ion collisions. *Physical Review D*, **1984**, 30, 961-971 4.9 37
- 24 Rotating toroidal nuclei in heavy-ion reactions. *Physical Review C*, **1984**, 30, 1949-1952 2.7 4
- 23 Ambiguity in antiproton-nucleus potentials from antiprotonic-atom data. *Physical Review C*, **1984**, 29, 574-580 2.7 32
- 22 Baryon distribution in relativistic heavy-ion collisions. *Physical Review D*, **1984**, 30, 972-984 4.9 25
- 21 Approximate treatment of particle collisions in the time-dependent mean-field theory. *Physical Review C*, **1983**, 28, 240-251 2.7 26
- 20 Mean-field effects in intermediate-energy, heavy-ion reactions. *Physical Review C*, **1982**, 26, 1502-1508 2.7 2

19	Relaxation of some fermion nonequilibrium momentum distributions. <i>Physical Review C</i> , 1982 , 25, 1018-1027	2.7	22
18	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	2.7	11
17	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	2.7	18
16	Reply to "Comment on 'Exactly central heavy-ion collisions by nuclear hydrodynamics'". <i>Physical Review C</i> , 1982 , 26, 284-286	2.7	5
15	Dynamics of nuclear fluid. VIII. Time-dependent Hartree-Fock approximation from a classical point of view. <i>Physical Review C</i> , 1982 , 25, 1460-1475	2.7	153
14	The incorporation of particle collisions in the time-dependent hartree-fock approximation 1982 , 131-141		1
13	Dynamics of nuclear fluid. VI. Nuclear giant resonances as elastic vibrations. <i>Physical Review C</i> , 1981 , 24, 2290-2310	2.7	25
12	Direct fragmentation and hard-scattering processes in relativistic heavy-ion reactions. <i>Physical Review C</i> , 1980 , 22, 2433-2448	2.7	15
11	Exactly central heavy-ion collisions by nuclear hydrodynamics. <i>Physical Review C</i> , 1980 , 21, 1846-1863	2.7	31
10	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	4.2	10
9	Dynamics of nuclear fluid. V. Extended time-dependent Hartree-Fock approximation illuminates the approach to thermal equilibrium. <i>Physical Review C</i> , 1979 , 20, 1419-1452	2.7	55
8	Evidence for Orbital Dispersion in the Fragmentation of O16 at 90 and 120 MeV/Nucleon. <i>Physical Review Letters</i> , 1979 , 43, 840-844	7.4	91
7	Rotating toroidal nuclei. <i>Physical Review C</i> , 1978 , 17, 331-340	2.7	18
6	Extended Time-Dependent Hartree-Fock Approximation with Particle Collisions. <i>Physical Review Letters</i> , 1978 , 40, 1070-1073	7.4	140
5	Dynamics of nuclear fluid. IV. Some spin and isospin properties in the hydrodynamical model. <i>Physical Review C</i> , 1978 , 17, 1832-1847	2.7	12
4	Dynamics of nuclear fluid. III. General considerations on the kinetic theory of quantum fluids. <i>Physical Review C</i> , 1977 , 16, 1196-1215	2.7	28
3	Elastic and Inelastic Proton Scattering from Ag107 and the Phonon-Core Model. <i>Physical Review</i> , 1967 , 158, 1194-1205		37
2	Reaction matrix elements for shell-model studies of nuclear spectra. <i>Nuclear Physics A</i> , 1967 , 91, 433-438.	3	40

1 Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions

1