

# Cheuk-Yin Wong

## List of Publications by Citations

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144  
papers

3,264  
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ext. papers

3,449  
ext. citations

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avg, IF

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#	Paper	IF	Citations
144	Introduction to High-Energy Heavy-Ion Collisions <b>1994</b> ,		204
143	Molecular states of heavy quark mesons. <i>Physical Review C</i> , <b>2004</b> , 69,	2.7	168
142	Heavy quarkonia in quark-gluon plasma. <i>Physical Review C</i> , <b>2005</b> , 72,	2.7	155
141	Dynamics of nuclear fluid. VIII. Time-dependent Hartree-Fock approximation from a classical point of view. <i>Physical Review C</i> , <b>1982</b> , 25, 1460-1475	2.7	153
140	Extended Time-Dependent Hartree-Fock Approximation with Particle Collisions. <i>Physical Review Letters</i> , <b>1978</b> , 40, 1070-1073	7.4	140
139	Finite-size effect in the Schwinger particle-production mechanism. <i>Physical Review D</i> , <b>1988</b> , 38, 348-359	4.9	119
138	Tsallis fits to pT spectra and multiple hard scattering in pp collisions at the LHC. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	107
137	Evidence for Orbital Dispersion in the Fragmentation of O16 at 90 and 120 MeV/Nucleon. <i>Physical Review Letters</i> , <b>1979</b> , 43, 840-844	7.4	91
136	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> , <b>2015</b> , 91,	4.9	83
135	Cross sections for $\Upsilon$ and $\Upsilon$ induced dissociation of $J/\psi$ and $\psi'$ . <i>Physical Review C</i> , <b>2000</b> , 62,	2.7	82
134	Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions. <i>Physical Review C</i> , <b>2001</b> , 65,	2.7	81
133	Landau hydrodynamics reexamined. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	79
132	. <i>Acta Physica Polonica B</i> , <b>2012</b> , 43, 2047	1.9	61
131	Effects of parton intrinsic transverse momentum on photon production in hard-scattering processes. <i>Physical Review C</i> , <b>1998</b> , 58, 376-388	2.7	59
130	Dynamics of nuclear fluid. V. Extended time-dependent Hartree-Fock approximation illuminates the approach to thermal equilibrium. <i>Physical Review C</i> , <b>1979</b> , 20, 1419-1452	2.7	55
129	Scalar magnetic ( $e+e$ ) resonance as possible source of an anomalous $e+$ peak in heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1986</b> , 182, 251-255	4.2	52
128	Dissociation of a heavy quarkonium at high temperatures. <i>Physical Review C</i> , <b>2002</b> , 65,	2.7	46

127	Widths of quarkonia in quark gluon plasma. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	41
126	Reaction matrix elements for shell-model studies of nuclear spectra. <i>Nuclear Physics A</i> , <b>1967</b> , 91, 433-438.	3	40
125	Initial energy density of quark-gluon plasma in relativistic heavy-ion collisions. <i>Physical Review D</i> , <b>1984</b> , 30, 961-971	4.9	37
124	Elastic and Inelastic Proton Scattering from Ag107 and the Phonon-Core Model. <i>Physical Review</i> , <b>1967</b> , 158, 1194-1205		37
123	Ridge structure in the $\pi\pi$ correlation function associated with a near-side jet. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	33
122	Baryon Distribution in Relativistic Heavy-Ion Collisions. <i>Physical Review Letters</i> , <b>1984</b> , 52, 1393-1396	7.4	33
121	Ambiguity in antiproton-nucleus potentials from antiprotonic-atom data. <i>Physical Review C</i> , <b>1984</b> , 29, 574-580	2.7	32
120	Singularity structures in Coulomb-type potentials in two-body Dirac equations of constraint dynamics. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	31
119	Pion interferometry for a granular source of quark-gluon plasma droplets. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	31
118	Exactly central heavy-ion collisions by nuclear hydrodynamics. <i>Physical Review C</i> , <b>1980</b> , 21, 1846-1863	2.7	31
117	Origin of the soft pT spectra. <i>Physical Review D</i> , <b>1992</b> , 46, 997-1006	4.9	30
116	Momentum-kick model description of the ridge in $\pi\pi$ correlations in pp collisions at 7 TeV. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	29
115	Momentum kick model description of the near-side ridge and jet quenching. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	29
114	Formation and decay of toroidal and bubble nuclei and the nuclear equation of state. <i>Physical Review C</i> , <b>1993</b> , 48, 933-936	2.7	29
113	Anomalous positron peak in heavy-ion collisions. <i>Physical Review Letters</i> , <b>1986</b> , 56, 1047-1050	7.4	28
112	Dynamics of nuclear fluid. III. General considerations on the kinetic theory of quantum fluids. <i>Physical Review C</i> , <b>1977</b> , 16, 1196-1215	2.7	28
111	$J/\psi$ and $\psi'$ suppression in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , <b>1996</b> , 610, 434-441	1.3	27
110	The thermal width of heavy quarkonia moving in quark-gluon plasma. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 659, 621-627	4.2	26

109	Approximate treatment of particle collisions in the time-dependent mean-field theory. <i>Physical Review C</i> , <b>1983</b> , 28, 240-251	2.7	26
108	Analysis of pion elliptic flow and Hanbury-Brown-Twiss interferometry in a granular quark-gluon plasma droplet model. <i>Physical Review C</i> , <b>2006</b> , 74,	2.7	25
107	Baryon distribution in relativistic heavy-ion collisions. <i>Physical Review D</i> , <b>1984</b> , 30, 972-984	4.9	25
106	Dynamics of nuclear fluid. VI. Nuclear giant resonances as elastic vibrations. <i>Physical Review C</i> , <b>1981</b> , 24, 2290-2310	2.7	25
105	Tests of two-body Dirac equation wave functions in the decays of quarkonium and positronium into two photons. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	23
104	Potential models and lattice gauge current-current correlators. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	23
103	Suppression of $\psi$ and $J/\psi$ in high-energy heavy-ion collisions. <i>Physical Review Letters</i> , <b>1996</b> , 76, 196-199	4.9	22
102	Relaxation of some fermion nonequilibrium momentum distributions. <i>Physical Review C</i> , <b>1982</b> , 25, 1018-1027	2.7	22
101	Intensity interferometry for a chaotic source with a collective flow and multiple scattering. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2003</b> , 29, 2151-2167	2.9	21
100	Relativistic N-body problem in a separable two-body basis. <i>Physical Review C</i> , <b>2001</b> , 63,	2.7	21
99	Dissociation of heavy quarkonia in the quark-gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2002</b> , 28, 2349-2364	2.9	21
98	Study of particle production using two-dimensional bosonized QED. <i>Physical Review D</i> , <b>1991</b> , 44, 257-262	4.9	21
97	Hot toroidal and bubble nuclei. <i>Physical Review Letters</i> , <b>1985</b> , 55, 1973-1975	7.4	21
96	Possible Implication of a Single Nonextensive T-Distribution for Hadron Production in High-Energy pp Collisions. <i>EPJ Web of Conferences</i> , <b>2015</b> , 90, 04002	0.3	20
95	Does HBT measure the freeze-out source distribution?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2004</b> , 30, S1053-S1057	2.9	19
94	Coulomb final state interaction and the charge effect in heavy ion projectile fragmentation at intermediate energies. <i>Physical Review C</i> , <b>1982</b> , 25, 2990-2995	2.7	18
93	Rotating toroidal nuclei. <i>Physical Review C</i> , <b>1978</b> , 17, 331-340	2.7	18
92	Chaoticity parameter in Hanbury-Brown-Twiss interferometry. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	17

91	Boundary and Coulomb effects on boson systems in high-energy heavy-ion collisions. <i>Physical Review C</i> , <b>1995</b> , 51, 2135-2143	2.7	17
90	Quarkonia and quark drip lines in a quark-gluon plasma. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	16
89	Signals in single-event pion interferometry for granular sources of quark-gluon plasma droplets. <i>Physical Review C</i> , <b>2005</b> , 71,	2.7	16
88	Signature of granular structures by single-event intensity interferometry. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	15
87	Soft gluon emission process in the color-octet model for heavy quarkonium production. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	15
86	Schwinger particle-production mechanism for a finite-length flux tube with transverse confinement. <i>Physical Review D</i> , <b>1995</b> , 51, 3940-3943	4.9	15
85	Nucleon-nucleus reactions at ultrarelativistic energies. <i>Physical Review D</i> , <b>1985</b> , 32, 94-114	4.9	15
84	Direct fragmentation and hard-scattering processes in relativistic heavy-ion reactions. <i>Physical Review C</i> , <b>1980</b> , 22, 2433-2448	2.7	15
83	Momentum kick model analysis of PHENIX near-side ridge data and photon jet. <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	14
82	Suppression of $J/\psi$ and $\chi$ production in high-energy Pb on Pb collisions. <i>Physical Review C</i> , <b>1997</b> , 55, 2621-2624	2.7	14
81	SINGULARITY-FREE BREIT EQUATION FROM CONSTRAINT TWO-BODY DIRAC EQUATIONS. <i>International Journal of Modern Physics E</i> , <b>1996</b> , 05, 589-615	0.7	14
80	Explicit solution of the time evolution of the Wigner function. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , <b>2003</b> , 5, S420-S428		13
79	The transverse profile of a color flux tube. <i>Physics Reports</i> , <b>1994</b> , 242, 489-494	27.7	13
78	Reaction cross sections in heavy-ion collisions. <i>Physical Review C</i> , <b>2012</b> , 86,	2.7	12
77	Relativistic modification of the Gamow factor. <i>Physical Review C</i> , <b>2000</b> , 61,	2.7	12
76	Effects of boundary on momentum distribution of quarks in a quark-gluon plasma. <i>Physical Review C</i> , <b>1993</b> , 48, 902-905	2.7	12
75	Multiple-collision model for high-energy nucleus-nucleus collisions. <i>Physical Review D</i> , <b>1989</b> , 39, 2606-2616	2.7	12
74	Dynamics of nuclear fluid. IV. Some spin and isospin properties in the hydrodynamical model. <i>Physical Review C</i> , <b>1978</b> , 17, 1832-1847	2.7	12

73	Signatures of absorption mechanisms for and $\bar{\Lambda}$ production in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , <b>1998</b> , 630, 487-498	1.3	11
72	Dynamics of nuclear fluid. VII. Isovector, spin-vector, and spin-isovector giant multipole resonances as elastic vibrations. <i>Physical Review C</i> , <b>1982</b> , 25, 2787-2794	2.7	11
71	A region of high-spin toroidal isomers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 401-404	4.2	10
70	Selection of central events in intermediate energy heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1979</b> , 88, 39-42	4.2	10
69	Anomalous soft photons in hadron production. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	9
68	Total hadron-hadron cross sections at high energies. <i>Physical Review C</i> , <b>2003</b> , 68,	2.7	9
67	Excess dileptons in high-energy nucleus-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 367, 50-54	4.2	9
66	Toroidal high-spin isomers in the nucleus 120304. <i>Physical Review C</i> , <b>2017</b> , 95,	2.7	8
65	Analytical solutions of Landau (1+1)-dimensional hydrodynamics. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	8
64	Wigner function of produced particles in string fragmentation. <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	8
63	Magnetic states at short distances. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	8
62	Effects of screening on quark-antiquark cross sections in quark-gluon plasma. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 75, 523-534		8
61	Exploring early parton momentum distribution with the ridge from the near-side jet. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 104085	2.9	8
60	Hanbury-Brown-Twiss interferometry with quantum transport of the interfering pair. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	8
59	Anomalous $J/\psi$ suppression and charmonium dissociation cross sections. <i>Physical Review C</i> , <b>2003</b> , 67,	2.7	8
58	Relativistic generalization of the Gamow factor for fermion pair production or annihilation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2005</b> , 31, 149-160	2.9	8
57	Correction factors for reactions involving $q\bar{q}$ annihilation or production. <i>Physical Review C</i> , <b>1995</b> , 51, 2125-2134	2.7	8
56	Toroidal high-spin isomers in light nuclei with $N \geq 8$ . <i>Physica Scripta</i> , <b>2015</b> , 90, 114006	2.6	7

55	Nuclear annihilation by antinucleons. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	6
54	Signature of the fragmentation of a color flux tube. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	6
53	Extended Glauber model of antiproton-nucleus annihilation for all energies and mass numbers. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	6
52	Quantum Treatment of the Multiple Scattering and Collective Flow in Intensity Interferometry. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	6
51	Heavy quarkonia and quark drip lines in quark-gluon plasma. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2006</b> , 32, S301-S307	2.9	6
50	EXPLANATION OF THE RHIC HBT PUZZLE BY A GRANULAR SOURCE OF QUARK-GLUON PLASMA DROPLETS. <i>International Journal of Modern Physics E</i> , <b>2007</b> , 16, 3262-3270	0.7	6
49	Color-octet fraction in $J/\psi$ production and absorption. <i>Physical Review D</i> , <b>1998</b> , 57, 1838-1845	4.9	6
48	Photon bremsstrahlung from ultrarelativistic nuclear collisions. <i>Physical Review C</i> , <b>1986</b> , 33, 153-155	2.7	6
47	Transverse-momentum distribution of produced particles in ultrarelativistic nucleus-nucleus collisions. <i>Physical Review D</i> , <b>1985</b> , 32, 1706-1715	4.9	6
46	Reply to "Comment on 'Exactly central heavy-ion collisions by nuclear hydrodynamics'". <i>Physical Review C</i> , <b>1982</b> , 26, 284-286	2.7	5
45	Open string QED meson description of the X17 particle and dark matter. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
44	Optical model potential analysis of $n\alpha$ and $nA$ interactions. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	5
43	Chaoticity parameter in two-pion interferometry in an expanding boson gas model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 125101	2.9	4
42	QUARK MODEL WITH A REGULARIZED BREIT POTENTIAL. <i>International Journal of Modern Physics E</i> , <b>2009</b> , 18, 729-745	0.7	4
41	Meson spectra governed by the Fermi-Breit potential. <i>Chinese Physics C</i> , <b>2009</b> , 33, 170-176	2.2	4
40	Stability of matter-antimatter molecules. <i>Annals of Physics</i> , <b>2011</b> , 326, 2138-2164	2.5	4
39	Compactification of QCD4 to QCD2 in a flux tube. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	4
38	Nuclear stopping power and recoiling nucleons. <i>Physica Scripta</i> , <b>1993</b> , 47, 151-159	2.6	4

37	Hot rotating toroidal nuclei. <i>Physical Review C</i> , <b>1986</b> , 34, 1094-1096	2.7	4
36	Transverse-momentum distribution of pi 0 and its product gamma rays. <i>Physical Review D</i> , <b>1986</b> , 33, 711-716	2.7	4
35	Stopping of heavy nuclei in relativistic heavy-ion collisions. <i>Physical Review C</i> , <b>1986</b> , 33, 1340-1343	2.7	4
34	Rotating toroidal nuclei in heavy-ion reactions. <i>Physical Review C</i> , <b>1984</b> , 30, 1949-1952	2.7	4
33	Longitudinal hydrodynamics from event-by-event Landau initial conditions. <i>Physical Review C</i> , <b>2015</b> , 91,	2.7	3
32	Bose-Einstein interference in the passage of a jet in a dense medium. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	3
31	Fragmentation of a finite-mass string. <i>Physical Review D</i> , <b>1991</b> , 44, 679-691	4.9	3
30	Transverse energy and forward energy production in a high energy nuclear collision model. <i>Physical Review C</i> , <b>1992</b> , 46, 748-753	2.7	3
29	Event-by-event study of space-time dynamics in flux-tube fragmentation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2017</b> , 44, 075102	2.9	2
28	CHAOTIC PARAMETER IN HANBURY-BROWN-WISS INTERFEROMETRY IN AN ANISOTROPIC BOSON GAS MODEL. <i>International Journal of Modern Physics E</i> , <b>2013</b> , 22, 1350083	0.7	2
27	Two Gamma Quarkonium and Positronium Decays with Two-Body Dirac Equations of Constraint Dynamics. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 69, 012021	0.3	2
26	Mean-field effects in intermediate-energy, heavy-ion reactions. <i>Physical Review C</i> , <b>1982</b> , 26, 1502-1508	2.7	2
25	Clustering properties of produced particles in high-energy pp collisions. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	1
24	On the Mass Difference between $\Lambda$ and $\Sigma$ Using a Relativistic Two-Body Model. <i>Few-Body Systems</i> , <b>2013</b> , 54, 475-478	1.6	1
23	Feynman Amplitude Approach to study the Passage of a Jet in a Medium. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 420, 012028	0.3	1
22	PION ELLIPTIC FLOW AND HBT INTERFEROMETRY IN A GRANULAR QUARK-GLUON PLASMA DROPLET MODEL. <i>International Journal of Modern Physics E</i> , <b>2007</b> , 16, 1832-1838	0.7	1
21	SINGLE-EVENT HANBURY-BROWN-WISS INTERFEROMETRY. <i>International Journal of Modern Physics E</i> , <b>2007</b> , 16, 3271-3279	0.7	1
20	Meson-meson scattering in relativistic constraint dynamics. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 9, 178-182	0.3	1



19	Heavy quarkonium dissociation cross sections in relativistic heavy-ion collisions		1
18	Additional Background Material on the Nobel Prize in Physics 1998 <b>1999</b> , 9-20		1
17	Shells in a toroidal nucleus in the intermediate-mass region. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	1
16	The incorporation of particle collisions in the time-dependent hartree-fock approximation <b>1982</b> , 131-141		1
15	Signatures of Flux Tube Fragmentation and Strangeness Correlations in pp Collisions. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 779, 012046	0.3	
14	Dynamics of Quarks in a 2D Flux Tube. <i>EPJ Web of Conferences</i> , <b>2015</b> , 90, 01004	0.3	
13	Hydrodynamics from Landau initial conditions. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 630, 012042	0.3	
12	The role of produced hadrons in $J/\psi$ suppression. <i>Nuclear Physics A</i> , <b>2003</b> , 715, 541c-544c	1.3	
11	Wong responds. <i>Physical Review Letters</i> , <b>1987</b> , 58, 426	7.4	
10	A Guest at the Nobel Prize Ceremonies: The Diary of James Wei, December 15, 1998 <b>1999</b> , 131-139		
9	??? <b>1999</b> , 108-120		
8	The Nobel Award Announcement from the Swedish Academy of Sciences <b>1999</b> , 1-8		
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5	Professor Daniel Tsui Wins 1998 Nobel Prize in Physics <b>1999</b> , 124-126		
4	Dan Tsui at the Special Classes Center in Hong Kong in 1957/1958 <b>1999</b> , 74-86		
3	An Open Letter to Daniel C. Tsui, from Royal W. Stark <b>1999</b> , 103-107		
2	Foundation of Hydrodynamics of Strongly Interacting Systems. <i>EPJ Web of Conferences</i> , <b>2014</b> , 71, 00140	0.3	

- 1 Pocket resonances in low-energy antineutron reactions with nuclei. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2021**, 817, 136301 4.2