

# Hai-Yang Cheng

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

5,610  
citations

53794

45  
h-index

76900

74  
g-index

104  
all docs

104  
docs citations

104  
times ranked

1356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hadronic three-body $D$ decays mediated by scalar resonances. Physical Review D, 2022, 105, .	4.7	2
2	Heavy-flavor-conserving hadronic weak decays of charmed and bottom baryons. Physical Review D, 2022, 105, .	4.7	7
3	Two- and three-body hadronic decays of charmed mesons involving a tensor meson. Physical Review D, 2022, 105, .	4.7	2
4	Charmed baryon physics circa 2021. Chinese Journal of Physics, 2022, 78, 324-362.	3.9	39
5	Width effects in resonant three-body decays: B decay as an example. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136058.	4.1	19
6	Finite-width effects in three-body $B$ decays. Physical Review D, 2021, 103, .	4.7	21
7	CP violation in quasi-two-body $D^* \rightarrow VP$ decays and three-body D decays mediated by vector resonances. Physical Review D, 2021, 104, .	4.7	12
8	Branching fractions and $C \rightarrow P$ violation in $B \rightarrow \hat{a}^* K$ decays. Physical Review D, 2020, 102, .	4.7	15
9	Two-body hadronic weak decays of antitriplet charmed baryons. Physical Review D, 2020, 101, .	4.7	37
10	Two-body weak decays of doubly charmed baryons. Physical Review D, 2020, 101, .	4.7	19
11	Lifetimes of doubly heavy baryons $B_{cc}$ and $B_{cb}$ and $B_{cb}$ revisiting $C \rightarrow P$ violation in $B \rightarrow \hat{a}^* K$ decays. Physical Review D, 2020, 101, .	4.7	12
12	Phenomenological study of heavy hadron lifetimes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
13	Lifetimes of doubly charmed baryons. Physical Review D, 2018, 98, .	4.7	29
14	Singly Cabibbo-suppressed hadronic decays of $B_c$ and $B_{cb}$ . Physical Review D, 2018, 97, .	4.7	26
15	Branching fractions of semileptonic D and $D_s$ decays from the covariant light-front quark model. European Physical Journal C, 2017, 77, 1.	4.7	59
16	Quantum numbers of $\bar{1}^0$ states and other charmed baryons. Physical Review D, 2017, 95, .	3.9	55
17	Prediction of the CP asymmetry $C_{00}$ in $B_c \rightarrow D^0 \bar{D}^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	66
18		4.7	1

#	ARTICLE	IF	CITATIONS
19	Masses of scalar and axial-vector B mesons revisited. European Physical Journal C, 2017, 77, 1.	3.9	25
20	Direct $C \rightarrow P$ violation in charmless three-body decays of $B$ mesons. Physical Review D, 2016, 94, .	4.7	61
21	Global analysis of two-body $D \rightarrow V P$ decays within the framework of flavor symmetry. Physical Review D, 2016, 93, .		
22	Heavy-flavor-conserving hadronic weak decays of heavy baryons. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
23	Bottom baryon decays to pseudoscalar meson and pentaquark. Physical Review D, 2015, 92, .	4.7	35
24	Strong decays of charmed baryons in heavy hadron chiral perturbation theory: An update. Physical Review D, 2015, 92, .	4.7	73
25	Revisiting scalar glueballs. Physical Review D, 2015, 92, .	4.7	26
26	Charmed baryons circa 2015. Frontiers of Physics, 2015, 10, 1.	5.0	102
27	Smallness of tree-dominated charmless two-body baryonic $B \rightarrow P$ decay rates. Physical Review D, 2015, 91, .	4.7	10
28	Updating $B \rightarrow P P$ decays in the framework of flavor symmetry. Physical Review D, 2015, 91, .	4.7	69
29	Flavor Structure of Intrinsic Nucleon Sea. Few-Body Systems, 2015, 56, 349-354.	1.5	4
30	Possible new charmed baryon states from $B \rightarrow p \Lambda^0$ decays. Physical Review D, 2015, 91, .	4.7	6
31	Charmless three-body decays of $B \rightarrow p \Lambda^0$ decays. Physical Review D, 2015, 91, .	4.7	16
32	Near mass degeneracy in the scalar meson sector: Implications for $B \rightarrow p \Lambda^0$ decays. Physical Review D, 2015, 91, .	4.7	19
33	Branching fractions and direct $C \rightarrow P$ violation in charmless three-body decays of $B$ mesons. Physical Review D, 2013, 88, .	4.7	77
34	Revisiting charmless hadronic $B$ decays to scalar mesons. Physical Review D, 2013, 87, .	4.7	48
35	Direct $C \rightarrow P$ violation in two-body hadronic charmed meson decays. Physical Review D, 2012, 85, .	4.7	81
36	SU(3) symmetry breaking and $C \rightarrow P P$ violation in charmless $D \rightarrow P P$ decays. Physical Review D, 2012, 86, .	4.7	65

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37	Revisiting scalar and pseudoscalar couplings with nucleons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	105
38	Some results on vector and tensor meson mixing in a generalized QCD-like theory. Physical Review D, 2011, 84, .	4.7	11
39	THEORETICAL REVIEW ON HADRONIC D/Ds DECAYS. International Journal of Modern Physics Conference Series, 2011, 02, 61-66.	0.7	0
40	Flavor SU(3) symmetry and QCD factorization in $B \rightarrow \rho^+ \rho^0$ and PV decays. Journal of High Energy Physics, 2011, 2011, 1.	4.7	31
41	Charmless hadronic $B \rightarrow \rho^+ \rho^0$ decays into a tensor meson. Physical Review D, 2011, 84, .	4.7	68
42	Long distance contributions to charmless hadronic $B \rightarrow \rho^+ \rho^0$ decays. Physical Review D, 2011, 84, .	4.7	29
43	Long distance contributions to charmless hadronic $B \rightarrow \rho^+ \rho^0$ decays. Physical Review D, 2010, 82, .	4.7	25
44	Two-parton light-cone distribution amplitudes of tensor mesons. Physical Review D, 2010, 82, .	4.7	51
45	Hadronic $D \rightarrow \rho^+ \rho^0$ decays involving even-parity light mesons. Physical Review D, 2010, 81, .	4.7	30
46	Charmless $B \rightarrow \rho^+ \rho^0$ decays with $K_h = K, K^*, K_0^*(1430), K_2^*(1430)$ . Physical Review D, 2010, 82, .	4.7	14
47	Two-body hadronic charmed meson decays. Physical Review D, 2010, 81, .	4.7	107
48	QCD factorization for charmless hadronic $B \rightarrow \rho^+ \rho^0$ decays revisited. Physical Review D, 2009, 80, .	4.7	97
49	SCALAR AND PSEUDOSCALAR GLUEBALLS. International Journal of Modern Physics A, 2009, 24, 3392-3402.	1.5	5
50	Charmless Hadronic $B \rightarrow \rho^+ \rho^0$ Meson Decays. Annual Review of Nuclear and Particle Science, 2009, 59, 215-243.	10.2	35
51	Chapter 24 Charm Baryon Production and Decays. International Journal of Modern Physics A, 2009, 24, 593-626.	1.5	6
52	Resolving $B \rightarrow \rho^+ \rho^0$ puzzles in QCD factorization. Physical Review D, 2009, 80, .	4.7	47
53	Study of $B \rightarrow \rho^+ \rho^0$ and $B \rightarrow \rho^+ \rho^0$ . Physical Review D, 2009, 79, .	4.7	2
54	Pseudoscalar glueball mass from $B \rightarrow \rho^+ \rho^0$ mixing. Physical Review D, 2009, 79, .	4.7	69

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55	Revisiting charmless hadronic $B \rightarrow u\bar{c}d$ decays in QCD factorization. Physical Review D, 2009, 80, .	4.7	81
56	Branching ratios and polarization in $B \rightarrow VV, VA, AA$ decays. Physical Review D, 2008, 78, .	4.7	81
57	Charmless $B \rightarrow B$ decays to a scalar meson and a vector meson. Physical Review D, 2008, 77, .	4.7	53
58	Charmful three-body baryonic $B \rightarrow B$ decays. Physical Review D, 2008, 78, .	4.7	26
59	CHARMLESS 3-BODY B DECAYS: RESONANT AND NONRESONANT CONTRIBUTIONS. International Journal of Modern Physics A, 2008, 23, 3229-3236.	1.5	7
60	Charmless three-body decays of $B$ mesons. Physical Review D, 2007, 76, .	4.7	88
61	Strong decays of charmed baryons in heavy hadron chiral perturbation theory. Physical Review D, 2007, 75, .	4.7	118
62	Hadronic charmless $B \rightarrow AP$ . Physical Review D, 2007, 76, .	4.7	56
63	MIXING OF SCALAR GLUEBALL AND SCALAR QUARKONIA. , 2007, , .		0
64	Scalar glueball, scalar quarkonia, and their mixing. Physical Review D, 2006, 74, .	4.7	94
65	Charmless hadronic $B$ decays involving scalar mesons: Implications on the nature of light scalar mesons. Physical Review D, 2006, 73, .	4.7	189
66	EXCLUSIVE BARYONIC B DECAYS CIRCA 2005. International Journal of Modern Physics A, 2006, 21, 4209-4232.	1.5	25
67	Effects of Final-State Interactions in Hadronic B Decays. International Journal of Modern Physics A, 2006, 21, 650-657.	1.5	12
68	LIGHT-FRONT APPROACH FOR STRONG AND WEAK DECAYS OF PENTAQUARKS. International Journal of Modern Physics A, 2005, 20, 3739-3741.	1.5	0
69	PARITY-EVEN AND PARITY-ODD MESONS IN COVARIANT LIGHT-FRONT APPROACH. International Journal of Modern Physics A, 2005, 20, 3648-3650.	1.5	5
70	EFFECTS OF FINAL STATE INTERACTIONS ON HADRONIC CHARMLESS B DECAYS. International Journal of Modern Physics A, 2005, 20, 3535-3537.	1.5	0
71	Final state interactions in hadronic $B$ decays. Physical Review D, 2005, 71, .	4.7	329
72	CP-violating asymmetries in $B^0$ decays to $K^+K^{\mp}KS(L)$ and $KS^0KS^0KS(L)$ . Physical Review D, 2005, 72, .	4.7	62

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73	$B \rightarrow \bar{c} D(980) K$ decays and subleading corrections. <i>Physical Review D</i> , 2005, 71, .	4.7	41
74	Effects of final-state interactions on mixing-induced CP violation in penguin-dominated B decays. <i>Physical Review D</i> , 2005, 72, .	4.7	89
75	Light-front approach for heavy pentaquark transitions. <i>Physical Review D</i> , 2004, 70, .	4.7	37
76	Covariant light-front approach for s-wave and p-wave mesons: Its application to decay constants and form factors. <i>Physical Review D</i> , 2004, 69, .	4.7	304
77	Hadronic D decays involving scalar mesons. <i>Physical Review D</i> , 2003, 67, .	4.7	83
78	PHENOMENOLOGICAL APPLICATIONS OF QCD FACTORIZATION TO SEMI-INCLUSIVE B DECAYS. , 2002, , .		0
79	HADRONIC TWO-BODY CHARMLESS B DECAYS. , 2000, , .		0
80	Hadronic weak decays of heavy mesons and nonfactorization. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996, 69, 647-653.	1.5	19
81	Analysis of two-body decays of charmed baryons using the quark-diagram scheme. <i>Physical Review D</i> , 1996, 54, 2132-2160.	4.7	48
82	STATUS OF THE PROTON SPIN PROBLEM. <i>International Journal of Modern Physics A</i> , 1996, 11, 5109-5181.	1.5	84
83	Hadronic weak decays of heavy mesons and nonfactorization. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 69, 647-653.	1.5	0
84	Corrections to chiral dynamics of heavy hadrons: 1M correction. <i>Physical Review D</i> , 1994, 49, 2490-2507.	4.7	27
85	Corrections to chiral dynamics of heavy hadrons: SU(3) symmetry breaking. <i>Physical Review D</i> , 1994, 49, 5857-5881.	4.7	50
86	SU(3) breaking effects in charmed meson decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 333, 514-518.	4.1	52
87	Heavy quark and chiral symmetry predictions for semileptonic decays $B \rightarrow \bar{c} D(D^*) \ell \bar{\nu}_\ell$ . <i>Physical Review D</i> , 1993, 48, 3204-3220.	4.7	17
88	Cabibbo-allowed nonleptonic weak decays of charmed baryons. <i>Physical Review D</i> , 1993, 48, 4188-4202.	4.7	74
89	Nonleptonic weak decays of charmed baryons. <i>Physical Review D</i> , 1992, 46, 1042-1059.	4.7	88
90	Heavy-quark symmetry and chiral dynamics. <i>Physical Review D</i> , 1992, 46, 1148-1164.	4.7	560

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91	Heavy-flavor-conserving nonleptonic weak decays of heavy baryons. Physical Review D, 1992, 46, 5060-5068.	4.7	34
92	ON THE WEINBERG MODEL OF CP VIOLATION. International Journal of Modern Physics A, 1992, 07, 1059-1095.	1.5	31
93	TOWARD THE UNDERSTANDING OF $K \rightarrow 3\pi$ DECAYS IN CHIRAL PERTURBATION THEORY. Modern Physics Letters A, 1989, 04, 869-876.	1.2	10
94	STATUS OF THE $\Delta I = \frac{1}{2}$ RULE IN KAON DECAY. International Journal of Modern Physics A, 1989, 04, 495-582.	1.5	61
95	COMMENTS ON QCD SUM-RULE CALCULATIONS OF EXCLUSIVE TWO-BODY DECAYS OF CHARMED MESONS. Modern Physics Letters A, 1989, 04, 877-883.	1.2	3
96	Analysis of the recent data of exclusive two-body charm decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 222, 285-292.	4.1	56
97	Analysis of two-body decays of charm mesons using the quark-diagram scheme. Physical Review D, 1987, 36, 137-153.	4.7	147
98	Quark-Diagram Analysis of Two-Body Charm Decays. Physical Review Letters, 1986, 56, 1655-1658.	7.8	107
99	CP Nonconservation in the Partial Decay Rates of Charm and Beauty Mesons. Physical Review Letters, 1984, 53, 1037-1040.	7.8	54
100	$B \rightarrow V, A, T$ tensor form factors in the covariant light-front approach: Implications on radiative B decays. , 0, .		2