

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	Heavy-quark symmetry and chiral dynamics. Physical Review D, 1992, 46, 1148-1164.	4.7	560
2	Final state interactions in hadronic B decays. Physical Review D, 2005, 71, .	4.7	329
3	Covariant light-front approach for s-wave and p-wave mesons: Its application to decay constants and form factors. Physical Review D, 2004, 69, .	4.7	304
4	Charmless hadronic B decays involving scalar mesons: Implications on the nature of light scalar mesons. Physical Review D, 2006, 73, .	4.7	189
5	Analysis of two-body decays of charm mesons using the quark-diagram scheme. Physical Review D, 1987, 36, 137-153.	4.7	147
6	Strong decays of charmed baryons in heavy hadron chiral perturbation theory. Physical Review D, 2007, 75, .	4.7	118
7	Quark-Diagram Analysis of Two-Body Charm Decays. Physical Review Letters, 1986, 56, 1655-1658.	7.8	107
8	Two-body hadronic charmed meson decays. Physical Review D, 2010, 81, .	4.7	107
9	Revisiting scalar and pseudoscalar couplings with nucleons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	105
10	Charmed baryons circa 2015. Frontiers of Physics, 2015, 10, 1.	5.0	102
11	QCD factorization for charmless hadronic B_s decays revisited. Physical Review D, 2009, 80, .	4.7	97
12	Scalar glueball, scalar quarkonia, and their mixing. Physical Review D, 2006, 74, .	4.7	94
13	Effects of final-state interactions on mixing-induced CP violation in penguin-dominated B decays. Physical Review D, 2005, 72, .	4.7	89
14	Nonleptonic weak decays of charmed baryons. Physical Review D, 1992, 46, 1042-1059.	4.7	88
15	Charmless three-body decays of B mesons. Physical Review D, 2007, 76, .	4.7	88
16	STATUS OF THE PROTON SPIN PROBLEM. International Journal of Modern Physics A, 1996, 11, 5109-5181.	1.5	84
17	Revisiting charmless hadronic B_u decays in QCD factorization. Physical Review D, 2009, 80, .	4.7	84
18	Hadronic D decays involving scalar mesons. Physical Review D, 2003, 67, .	4.7	83

#	ARTICLE	IF	CITATIONS
19	Branching ratios and polarization in $B^+ \rightarrow VV, VA, AA$ decays. Physical Review D, 2008, 78, .	4.7	81
20	Direct $C \rightarrow P$ violation in two-body hadronic charmed meson decays. Physical Review D, 2012, 85, .	4.7	81
21	Branching fractions and direct $C \rightarrow B$ mesons. Physical Review D, 2013, 88, .	4.7	77
22	Cabibbo-allowed nonleptonic weak decays of charmed baryons. Physical Review D, 1993, 48, 4188-4202.	4.7	74
23	Strong decays of charmed baryons in heavy hadron chiral perturbation theory: An update. Physical Review D, 2015, 92, .	4.7	73
24	Pseudoscalar glueball mass from $\hat{I} \rightarrow \hat{I}$ violation in charmless three-body decays of $B \rightarrow \hat{I} \hat{I} \hat{I}$ mesons. Physical Review D, 2009, 79, .	4.7	69
25	Updating $B \rightarrow P$ in the framework of flavor symmetry. Physical Review D, 2015, 91, .	4.7	69
26	Charmless hadronic $B \rightarrow P$ decays into a tensor meson. Physical Review D, 2011, 83, .	4.7	68
27	Quantum numbers of $\hat{I}^0 c$ states and other charmed baryons. Physical Review D, 2017, 95, .	4.7	66
28	$SU(3)$ symmetry breaking and $C \rightarrow P$ violation in $D \rightarrow \hat{I}^+ P$ decays. Physical Review D, 2012, 86, .	4.7	65
29	CP-violating asymmetries in B^0 decays to $K^+ K^0$ and $K^0 K^0$. Physical Review D, 2005, 72, .	4.7	62
30	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
31	Direct $C \rightarrow P$ violation in charmless three-body decays of $B \rightarrow P P P$ mesons. Physical Review D, 2016, 94, .	4.7	61
32	Singly Cabibbo-suppressed hadronic decays of $\hat{I}^0 c$. Physical Review D, 2018, 97, .	4.7	59
33	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
34	Hadronic charmless $B \rightarrow AP$. Physical Review D, 2007, 76, .	4.7	56
35	Branching fractions of semileptonic D and D_s decays from the covariant light-front quark model. European Physical Journal C, 2017, 77, 1.	3.9	55
36	CP Nonconservation in the Partial Decay Rates of Charm and Beauty Mesons. Physical Review Letters, 1984, 53, 1037-1040.	7.8	54

#	ARTICLE	IF	CITATIONS
37	Charmless $B \rightarrow C P$ decays to a scalar meson and a vector meson. Physical Review D, 2008, 77, .	4.7	53
38	SU(3) breaking effects in charmed meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 514-518.	4.1	52
39	Two-parton light-cone distribution amplitudes of tensor mesons. Physical Review D, 2010, 82, .	4.7	51
40	Corrections to chiral dynamics of heavy hadrons: SU(3) symmetry breaking. Physical Review D, 1994, 49, 5857-5881.	4.7	50
41	Analysis of two-body decays of charmed baryons using the quark-diagram scheme. Physical Review D, 1996, 54, 2132-2160.	4.7	48
42	Revisiting charmless hadronic B decays to scalar mesons. Physical Review D, 2013, 87, .	4.7	48
43	Revisiting $B \rightarrow C P$ violation in $D \rightarrow P$ and $D \rightarrow P P$ and $D \rightarrow P P$ within the framework of flavor symmetry. Physical Review D, 2019, .	4.7	46
44	Global analysis of two-body $D \rightarrow V P$ decays within the framework of flavor symmetry. Physical Review D, 2016, 93, .	4.7	41
45	$B \rightarrow P$ decays and subleading corrections. Physical Review D, 2005, 71, .	4.7	41
46	Charmed baryon physics circa 2021. Chinese Journal of Physics, 2022, 78, 324-362.	3.9	39
47	Light-front approach for heavy pentaquark transitions. Physical Review D, 2004, 70, .	4.7	37
48	Two-body hadronic weak decays of antitriplet charmed baryons. Physical Review D, 2020, 101, .	4.7	37
49	Charmless three-body decays of $B \rightarrow P P P$. Physical Review D, 2014, 89, .	4.7	36
50	Charmless Hadronic $B \rightarrow P P$ Meson Decays. Annual Review of Nuclear and Particle Science, 2009, 59, 215-243.	10.2	35
51	Bottom baryon decays to pseudoscalar meson and pentaquark. Physical Review D, 2015, 92, .	4.7	35
52	Heavy-flavor-conserving nonleptonic weak decays of heavy baryons. Physical Review D, 1992, 46, 5060-5068.	4.7	34
53	ON THE WEINBERG MODEL OF CP VIOLATION. International Journal of Modern Physics A, 1992, 07, 1059-1095.	1.5	31
54	Flavor SU(3) symmetry and QCD factorization in $B \rightarrow P P$ and $P V$ decays. Journal of High Energy Physics, 2011, 2011, 1.	4.7	31

#	ARTICLE	IF	CITATIONS
55	Hadronic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">D \rangle$ decays involving even-parity light mesons. Physical Review D, 2011, 83, .	4.7	30
56	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \rangle$ decays involving $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">A \rangle$ tensor form factors in the covariant light-front app	4.7	29
57	Phenomenological study of heavy hadron lifetimes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
58	Corrections to chiral dynamics of heavy hadrons:1Mcorrection. Physical Review D, 1994, 49, 2490-2507.	4.7	27
59	Charmful three-body baryonic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \rangle$ decays. Physical Review D, 2008, 78, .	4.7	26
60	Revisiting scalar glueballs. Physical Review D, 2015, 92, .	4.7	26
61	Lifetimes of doubly charmed baryons. Physical Review D, 2018, 98, .	4.7	26
62	EXCLUSIVE BARYONIC B DECAYS CIRCA 2005. International Journal of Modern Physics A, 2006, 21, 4209-4232.	1.5	25
63	Long-distance contributions to $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">D \rangle$ mixing parameters. Physical Review D, 2010, 81, .	4.7	25
64	Masses of scalar and axial-vector B mesons revisited. European Physical Journal C, 2017, 77, 1.	3.9	25
65	Resolving $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \rangle$ puzzles in QCD factorization. Physical Review D, 2009, 80, .	4.7	24
66	Finite-width effects in three-body $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \rangle$ decays. Physical Review D, 2021, 103, .	4.7	21
67	Hadronic weak decays of heavy mesons and nonfactorization. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 647-653.	1.5	19
68	Near mass degeneracy in the scalar meson sector: Implications for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \rangle$ decays as an example. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136058.	4.1	19
69	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
70	Two-body weak decays of doubly charmed baryons. Physical Review D, 2020, 101, .	4.7	19
71	Heavy quark and chiral symmetry predictions for semileptonic decays $B \rightarrow D(D^*) \ell \bar{\nu}_\ell$. Physical Review D, 1993, 48, 3204-3220.	4.7	17
72	Heavy-flavor-conserving hadronic weak decays of heavy baryons. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16

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73	<p> $C \rightarrow P$ violation in $B \rightarrow K^* K^*$ decays. Physical Review D, 2020, 102, . </p>	4.7	15
74	<p> $B \rightarrow K^* K^*$ decays with $K^* \rightarrow K^* K^*$ (1430), $K^* \rightarrow K^* K^*$ (1430). Physical Review D, 2010, 82, . </p>	4.7	14
75	<p> Effects of Final-State Interactions in Hadronic B Decays. International Journal of Modern Physics A, 2006, 21, 650-657. </p>	1.5	12
76	<p> $B \rightarrow K^* K^*$ and $B \rightarrow K^* K^*$ decay rates. Physical Review D, 2015, 91, . </p>	4.7	12
77	<p> $B \rightarrow K^* K^*$ CP violation in quasi-two-body $D \rightarrow VP$ decays and three-body D decays mediated by vector resonances. Physical Review D, 2021, 104, . </p>	4.7	12
78	<p> Some results on vector and tensor meson mixing in a generalized QCD-like theory. Physical Review D, 2011, 84, . </p>	4.7	11
79	<p> TOWARD THE UNDERSTANDING OF $K \rightarrow 3\pi$ DECAYS IN CHIRAL PERTURBATION THEORY. Modern Physics Letters A, 1989, 04, 869-876. </p>	1.2	10
80	<p> $B \rightarrow K^* K^*$ Smallness of tree-dominated charmless two-body baryonic decay rates. Physical Review D, 2015, 91, . </p>	4.7	10
81	<p> $B \rightarrow K^* K^*$ CHARMLESS 3-BODY B DECAYS: RESONANT AND NONRESONANT CONTRIBUTIONS. International Journal of Modern Physics A, 2008, 23, 3229-3236. </p>	1.5	7
82	<p> $B \rightarrow K^* K^*$ Heavy-flavor-conserving hadronic weak decays of charmed and bottom baryons. Physical Review D, 2022, 105, . </p>	4.7	7
83	<p> $B \rightarrow K^* K^*$ Chapter 24 Charm Baryon Production and Decays. International Journal of Modern Physics A, 2009, 24, 593-626. </p>	1.5	6
84	<p> $B \rightarrow K^* K^*$ Possible new charmed baryon states from $B \rightarrow K^* K^*$ decay rates. Physical Review D, 2015, 91, . </p>	4.7	6
85	<p> $B \rightarrow K^* K^*$ PARITY-EVEN AND PARITY-ODD MESONS IN COVARIANT LIGHT-FRONT APPROACH. International Journal of Modern Physics A, 2005, 20, 3648-3650. </p>	1.5	5
86	<p> $B \rightarrow K^* K^*$ SCALAR AND PSEUDOSCALAR GLUEBALLS. International Journal of Modern Physics A, 2009, 24, 3392-3402. </p>	1.5	5
87	<p> $B \rightarrow K^* K^*$ Flavor Structure of Intrinsic Nucleon Sea. Few-Body Systems, 2015, 56, 349-354. </p>	1.5	4
88	<p> $B \rightarrow K^* K^*$ COMMENTS ON QCD SUM-RULE CALCULATIONS OF EXCLUSIVE TWO-BODY DECAYS OF CHARMED MESONS. Modern Physics Letters A, 1989, 04, 877-883. </p>	1.2	3
89	<p> $B \rightarrow K^* K^*$ Study of $B \rightarrow K^* K^*$ and $B \rightarrow K^* K^*$. Physical Review D, 2009, 79, . </p>	4.7	2
90	<p> $B \rightarrow K^* K^*$ $B \rightarrow V, A, T$ tensor form factors in the covariant light-front approach: Implications on radiative B decays. , 0, . </p>		2

#	ARTICLE	IF	CITATIONS
91	Hadronic three-body D decays mediated by scalar resonances. Physical Review D, 2022, 105, .	4.7	2
92	Two- and three-body hadronic decays of charmed mesons involving a tensor meson. Physical Review D, 2022, 105, .	4.7	2
93	Prediction of the CP asymmetry C_{00} in $B^0 \rightarrow D^0 \overline{D^0}$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	1
94	Hadronic weak decays of heavy mesons and nonfactorization. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 647-653.	1.5	0
95	LIGHT-FRONT APPROACH FOR STRONG AND WEAK DECAYS OF PENTAQUARKS. International Journal of Modern Physics A, 2005, 20, 3739-3741.	1.5	0
96	EFFECTS OF FINAL STATE INTERACTIONS ON HADRONIC CHARMLESS B DECAYS. International Journal of Modern Physics A, 2005, 20, 3535-3537.	1.5	0
97	THEORETICAL REVIEW ON HADRONIC D/Ds DECAYS. International Journal of Modern Physics Conference Series, 2011, 02, 61-66.	0.7	0
98	HADRONIC TWO-BODY CHARMLESS B DECAYS. , 2000, , .		0
99	PHENOMENOLOGICAL APPLICATIONS OF QCD FACTORIZATION TO SEMI-INCLUSIVE B DECAYS. , 2002, , .		0
100	MIXING OF SCALAR GLUEBALL AND SCALAR QUARKONIA. , 2007, , .		0