

# Wei Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2023464/publications.pdf>

Version: 2024-02-01

113  
papers

4,306  
citations

76326

40  
h-index

123424

61  
g-index

113  
all docs

113  
docs citations

113  
times ranked

2584  
citing authors

#	ARTICLE	IF	CITATIONS
1	ss nonleptonic $B \rightarrow P P$ decays to $P P$ , $B \rightarrow P P$ , and $B \rightarrow P P$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" style="font-family: serif;">Electron-ion collider in China. <i>Frontiers of Physics</i> , 2021, 16, 1.	4.7	224
2	How to reveal the exotic nature of the $B_c$ transition form factors. <i>Physical Review D</i> , 2009, 79, .	5.0	208
3	Discovery potentials of doubly charmed baryons. <i>Chinese Physics C</i> , 2018, 42, 051001.	3.7	100
4	Weak decays of doubly heavy baryons: the $B_c \rightarrow B_c$ case. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	120
5	Covariant light-front approach for $B_c$ transition form factors. <i>Physical Review D</i> , 2009, 79, .	4.7	115
6	Discovery potentials of doubly charmed baryons. <i>Chinese Physics C</i> , 2018, 42, 051001.	3.7	100
7	Weak decays of doubly heavy baryons: SU(3) analysis. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	97
8	Tetraquark interpretation of the charged bottomonium-like states $Z_b^\pm$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" style="font-family: serif;">Tetraquark interpretation of the charged bottomonium-like states $Z_b^\pm$ . <i>Physical Review D</i> , 2016, 93, .	4.7	95
9	Heavy-to-light form factors on the light cone. <i>Physical Review D</i> , 2007, 76, .	4.7	84
10	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
11	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
12	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
13	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
14	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
15	Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 605-609.	4.1	74
16	Prospects of discovering stable double-heavy tetraquarks at a Tera-Z factory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 412-420.	4.1	69
17	Gluon quasidistribution function at one loop. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	66
18	Generalized heavy-to-light form factors in light-cone sum rules. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 336-341.	4.1	65

#	ARTICLE	IF	CITATIONS
19	Accessing Gluon Parton Distributions in Large Momentum Effective Theory. Physical Review Letters, 2019, 122, 142001.	7.8	64
20	$\langle B   \bar{\psi} \psi   B \rangle$ to tensor meson form factors in the perturbative QCD approach. Physical Review D, 2011, 83, .	4.7	63
21	Weak decays of doubly heavy baryons: multi-body decay channels. European Physical Journal C, 2018, 78, 1.	3.9	63
22	Lepton flavor violating processes in unparticle physics. Physical Review D, 2007, 76, .	4.7	55
23	Open-charm tetraquark $B_c$ and open-bottom tetraquark $B_b$ . European Physical Journal C, 2020, 80, 1.	3.9	55
24	Charmless two-body $B \rightarrow \bar{D}^* \pi$ decays in the perturbative QCD approach. Physical Review D, 2008, 78, .	4.7	53
25	Lattice QCD Calculations of Transverse-Momentum-Dependent Soft Function through Large-Momentum Effective Theory. Physical Review Letters, 2020, 125, 192001.	7.8	53
26	Unpolarized isovector quark distribution function from lattice QCD: A systematic analysis of renormalization and matching. Physical Review D, 2020, 101, .	4.7	50
27	Final state interaction in $B \rightarrow \bar{D}^* K$ decays. Physical Review D, 2006, 73, .	4.7	48
28	Study of scalar mesons $f_0(980)$ and $f_0(1500)$ from $B \rightarrow f_0(980) K$ and $B \rightarrow f_0(1500) K$ decays. Physical Review D, 2006, 74, .	4.7	48
29	Transition form factors of $B \rightarrow \bar{D}^* \pi$ decays into $\bar{D}^* \pi$ wave axial-vector mesons in the perturbative QCD approach. Physical Review D, 2009, 79, .	4.7	48
30	Study of $B_c \rightarrow \bar{D}^* \pi$ ( $K$ ) decays in the covariant light-front approach. European Physical Journal C, 2007, 51, 841-847.	3.9	47
31	$B \rightarrow \bar{D}^* \pi$ decays in the covariant light-front approach. European Physical Journal C, 2007, 51, 841-847.	4.7	47
32	$B \rightarrow \bar{D}^* \pi$ decays in the covariant light-front approach. European Physical Journal C, 2007, 51, 841-847.	4.7	46
33	Hadrons $B \rightarrow \bar{D}^* \pi$ decays in the covariant light-front approach. European Physical Journal C, 2007, 51, 841-847.	4.7	44
34	Chiral dynamics and S-wave contributions in semileptonic B decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
35	Matching generalized parton quasidistributions in the RI/MOM scheme. Physical Review D, 2019, 100, .	4.7	44
36	A hybrid renormalization scheme for quasi light-front correlations in large-momentum effective theory. Nuclear Physics B, 2021, 964, 115311.	2.5	44

#	ARTICLE	IF	CITATIONS
37	B s $\hat{a}^{\dagger} \hat{a}^{\dagger} K^*$ , $\overline{u}$ , angular analysis, S-wave contributions and $ V_{ub} $ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
38	Complete matching for quasidistribution functions in large momentum effective theory. Physical Review D, 2019, 100, .	4.7	43
39	Distinguishing two kinds of scalar mesons from heavy meson decays. Physical Review D, 2010, 82, .	4.7	41
40	Nonleptonic $B \rightarrow \chi_{c0} \ell \bar{\nu}_{\ell}$ decays: Analysis in pursuit of determining the weak phase $\alpha_1$ . Physical Review D, 2011, 83, .	4.7	41
41	Doubly-heavy baryon weak decays: $\Lambda_{bb} \rightarrow \Lambda_{bb}^* K$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 232-235.	4.1	38
42	Production of the bottom analogs and the spin partner of the X(3872) at hadron colliders. European Physical Journal C, 2014, 74, 1.	3.9	36
43	On the power divergence in quasi gluon distribution function. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
44	Partners of $Z$ decays. Physical Review D, 2008, 77, .	4.7	35
45	Can X(5568) be a tetraquark state?. Chinese Physics C, 2016, 40, 093101.	3.7	34
46	Unification of flavor SU(3) analyses of heavy Hadron weak decays. European Physical Journal C, 2020, 80, 1.	3.9	34
47	QCD Sum Rules Analysis of Weak Decays of Doubly-Heavy Baryons. European Physical Journal C, 2020, 80, 1.	3.9	34
48	Production of Charged Heavy Quarkonium-Like States at the LHC and Tevatron. Communications in Theoretical Physics, 2014, 61, 354-358.	2.5	33
49	Weak decays of triply heavy baryons. Physical Review D, 2018, 97, .	4.7	32
50	Penguin pollution in $B \rightarrow J/\psi V$ decays and impact on the extraction of the $\alpha_s$ . Physical Review D, 2018, 97, .	4.7	30
51	Weak decays of doubly heavy baryons: $\Lambda_{bb} \rightarrow \Lambda_{bb}^* K$ . Chinese Physics C, 2018, 42, 123102.	3.7	30
52	Flavor SU(3) topological diagram and irreducible representation amplitudes for heavy meson charmless hadronic decays: mismatch and equivalence. Chinese Physics C, 2018, 42, 103108.	3.7	30

#	ARTICLE	IF	CITATIONS
55	Light-cone distribution amplitudes of the ground state bottom baryons in HQET. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	29
56	Branching ratios, forward-backward asymmetries, and angular distributions of $B \rightarrow K^* l \bar{l}$ in the standard model and two new physics scenarios. <i>Physical Review D</i> , 2011, 83, .	4.7	27
57	Factorization of heavy-to-light baryonic transitions in SCET. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 119-126.	4.1	27
58	$B_c \rightarrow B_s \gamma$ . <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	26
59	Study of decay modes $B_c \rightarrow K^* l \bar{l}$ . <i>Physical Review D</i> , 2014, 89, 074011.	5.72	24
60	Production of charmed tetraquarks from $B_c$ and $B_c$ decays. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 014003.	3.6	24
61	Quasiparton distribution functions at NNLO: Flavor nondiagonal quark contributions. <i>Physical Review D</i> , 2020, 102, .	4.7	24
62	Hunting for the $X_b$ via radiative decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 733, 100-104.	4.1	23
63	Z-mediated charge and CP asymmetries and FCNCs in $B_d, s$ processes. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	22
64	$B_c \rightarrow K^* l \bar{l}$ and $B_c \rightarrow K^* l \bar{l}$ . <i>Physical Review D</i> , 2011, 83, 074011.	4.1	22
65	Matching the meson quasidistribution amplitude in the RI/MOM scheme. <i>Physical Review D</i> , 2019, 99, .	4.7	22
66	Next-to-Next-to-Leading Order Calculation of Quasiparton Distribution Functions. <i>Physical Review Letters</i> , 2021, 126, 072002.	7.8	22
67	Search for the $a_0(980) \rightarrow f_0(980)$ mixing in weak decays of D/B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 501-506.	4.1	21
68	SU(3) symmetry and its breaking effects in semileptonic heavy baryon decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 823, 136765.	4.1	21
69	$D_s \rightarrow K^* l \bar{l}$ form factors in the Covariant Light-Front Approach and Exclusive $D_s$ Decays. <i>Physical Review D</i> , 2008, 78, .	4.7	20
70	Model-independent investigation of the $R_{J/\psi, \psi(1c)}$ and ratios of decay widths of semileptonic $B_c$ decays into a P-wave charmonium. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950195.	1.5	20
71	Distribution Amplitudes of $B_c \rightarrow K^* l \bar{l}$ and $B_c \rightarrow K^* l \bar{l}$ . <i>Physical Review D</i> , 2011, 83, 074011.	7.8	20
72	First lattice QCD calculation of semileptonic decays of charmed-strange baryons $\Lambda_c^+ \rightarrow c \bar{l} l$ . <i>Chinese Physics C</i> , 2022, 46, 011002.	3.7	20



#	ARTICLE	IF	CITATIONS
91	Recent developments on the CKM matrix. International Journal of Modern Physics A, 2014, 29, 1430040.	1.5	12
92	Global analysis of hadronic two-body $B \rightarrow B$ decays in the perturbative QCD approach. Physical Review D, 2021, 104, .	4.7	12
93	Exclusive processes $e^+e^- \rightarrow \pi^+\pi^-$ factorization. Physical Review D, 2007, 75, .	4.7	11
94	Direct CP violation in charm decays due to left-right mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 946-950.	4.1	11
95	On the constituent counting rule for hard exclusive processes involving multi-quark states. Chinese Physics C, 2017, 41, 053108.	3.7	11
96	To understand the rare decay $B \rightarrow K^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 467-471.	4.1	10
97	Implications of the $R_{K^*}$ and $R_{K^*}^*$ anomalies. Chinese Physics C, 2018, 42, 013105.	3.7	10
98	On the production of hidden-flavored hadronic states at high energy. Chinese Physics C, 2018, 42, 043103.	3.7	10
99	$B \rightarrow C$ -to-gluon form factor and gluon production in $B$ decays. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 085006.	3.6	9
100	Determining $C \rightarrow P$ violation angle with $B \rightarrow K^* \ell^+ \ell^-$ decays into a scalar/tensor meson. Physical Review D	4.7	9
101	Tetraquarks, pentaquarks and dibaryons in the large $N$ QCD. European Physical Journal C, 2018, 78, 1.	3.9	9
102	Hunting for a scalar glueball in exclusive $B$ decays. European Physical Journal A, 2013, 49, 1.	2.5	8
103	Searching for a charged Higgs boson with both $H \pm W \pm Z$ and $H \pm tb$ couplings at the LHC. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
104	Novel Method to Reliably Determine the Photon Helicity in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 125, 051802.	7.8	8
105	Two-meson form factors in unitarized chiral perturbation theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
106	$B \rightarrow DK^* \ell^+ \ell^-$ decays and the CP phase angle $\beta^*$ . Physical Review D, 2013, 88, .	4.7	7
107	<a href="#">Perturbative QCD analysis of exclusive processes</a> $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D	4.7	6
108	Transverse energy correlations of jets in the electron-proton deep inelastic scattering at HERA. European Physical Journal C, 2020, 80, 1.	3.9	6

#	ARTICLE	IF	CITATIONS
109	Up-down asymmetries and angular distributions in $D^+ \rightarrow K^+ K^0 \pi^0$ and $D^+ \rightarrow K^+ K^0 \pi^+$ . Physical Review D, 2021, 104, .	4.7	2
110	B decays into a scalar/tensor meson: In pursuit of determining the CKM angle $\hat{\Gamma}^3$ . , 2012, , .		1
111	Production of hadron exotics in high energy processes. EPJ Web of Conferences, 2016, 129, 00020.	0.3	0
112	B to PP, PV decays analyzed in the soft collinear effective theory. , 2009, , .		0
113	Study of light scalar mesons from heavy quark decays. , 2011, , .		0