

# Jian Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

785  
citations

516710

16  
h-index

526287

27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

4939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Threshold resummation effects in Higgs boson pair production at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	104
2	Leading-logarithmic threshold resummation of the Drell-Yan process at next-to-leading power. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	57
3	Anomalous dimension of subleading-power N-jet operators. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	56
4	Higgs boson pair production via gluon fusion at N <sup>3</sup> LO in QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135292.	4.1	47
5	Leading-logarithmic threshold resummation of Higgs production in gluon fusion at next-to-leading power. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	39
6	The gluon-fusion production of Higgs boson pair: N <sup>3</sup> LO QCD corrections and top-quark mass effects. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	38
7	Automatic computations at next-to-leading order in QCD for top-quark flavor-changing neutral processes. <i>Physical Review D</i> , 2015, 91, .	4.7	36
8	Anomalous dimension of subleading-power N-jet operators. Part II. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	35
9	Violation of the Kluberg-Stern-Zuber theorem in SCET. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	31
10	Soft gluon resummation in the signal-background interference process of $gg(\hat{\alpha}' \hat{h} \rightarrow) \hat{\alpha}' ZZ$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	25
11	Next-to-Leading QCD Effect on the Quark Compositeness Search at the LHC. <i>Physical Review Letters</i> , 2011, 106, 142001.	7.8	24
12	Efficient numerical evaluation of Feynman integrals. <i>Chinese Physics C</i> , 2016, 40, 033103.	3.7	22
13	Large-x resummation of off-diagonal deep-inelastic parton scattering from d-dimensional refactorization. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	21
14	Fully differential Higgs pair production in association with a W boson at next-to-next-to-leading order in QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 765, 265-271.	4.1	19
15	Constraints on flavor-changing neutral-current Higgs couplings from the signal of associated production with QCD next-to-leading order accuracy at the LHC. <i>Physical Review D</i> , 2012, 86, .	4.7	18
16	Resummation prediction on the jet mass spectrum in one-jet inclusive production at the LHC. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	17
17	Factorization and resummation of s-channel single top quark production. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	16
18	Next-to-leading order QCD predictions for graviton and photon associated production in the large extra dimensions model at the LHC. <i>Physical Review D</i> , 2010, 81, .	4.7	15

#	ARTICLE	IF	CITATIONS
19	Search for the signal of monotop production at the early LHC. Physical Review D, 2012, 86, .	4.7	15
20	Resummation prediction on top quark transverse momentum distribution at large $p_T$ . Physical Review D, 2013, 87, .	4.7	14
21	Next-to-next-to-leading order N-jettiness soft function for one massive colored particle production at hadron colliders. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
22	Model-independent analysis of top quark forward-backward asymmetry at the Tevatron up to $\mathcal{O}(\alpha_s^2)$ . Physical Review D, 2011, 84, .	4.7	13
23	Improved resummation prediction on Higgs boson production at hadron colliders. Physical Review D, 2012, 86, .	4.7	12
24	Next-to-leading order QCD effect of $\langle W \rangle^2$ on top quark forward-backward asymmetry. Physical Review D, 2012, 85, .	4.7	10
25	Next-to-leading order QCD predictions for the signal of dark matter and photon associated production at the LHC. Physical Review D, 2011, 84, .	4.7	8
26	Phenomenology of an extended Higgs portal inflation model after Planck 2013. European Physical Journal C, 2014, 74, 1.	3.9	8
27	Next-to-next-to-leading order N-jettiness soft function for $tW$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 397-404.	4.1	8
28	Analytic two-loop master integrals for $tW$ production at hadron colliders: I. Chinese Physics C, 0, , .	3.7	8
29	Precise QCD predictions on top quark pair production mediated by massive color-octet vector boson at hadron colliders. European Physical Journal C, 2012, 72, 1.	3.9	7
30	Momentum-space threshold resummation in $tW$ production at the LHC. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
31	Master integrals of a planar double-box family for top-quark pair production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 50-55.	4.1	7
32	One-loop helicity amplitudes for top quark pair production in Randall-Sundrum model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	6
33	Searching for the signal of dark matter and photon associated production at the LHC beyond leading order. Physical Review D, 2013, 87, .	4.7	6
34	Fully differential Higgs boson pair production in association with a Z boson at next-to-next-to-leading order in QCD. Physical Review D, 2018, 97, .	4.7	5
35	NNLL momentum-space threshold resummation in direct top quark production at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
36	Renormalization-group improved predictions for Higgs boson production at large $p_T$ . Physical Review D, 2014, 90, .	4.7	3

#	ARTICLE	IF	CITATIONS
37	Three-loop planar master integrals for heavy-to-light form factors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 453-461.	4.1	3
38	Subleading power N-jet amplitudes and the LBK amplitude in SCET. , 2018, , .		3
39	Signature of same-sign top pair production mediated by a nonuniversal $Z$ with QCD next-to-leading order accuracy at the LHC. Physical Review D, 2012, 86, .	4.7	2
40	Updated predictions for graviton and photon associated production at the LHC. Physical Review D, 2012, 86, .	4.7	1
41	Determining the masses of invisible particles: Application to Higgs boson invisible decay. Physical Review D, 2014, 89, .	4.7	1
42	QCD NLO Prediction on the Dark Matter and Photon Associated Production at the LHC. Springer Theses, 2016, , 47-72.	0.1	0
43	Search for the Signal of Monotop Production at the Early LHC. Springer Theses, 2016, , 107-129.	0.1	0
44	Resummation Prediction on Top Quark Transverse Momentum Distribution at Large $p_T$ . Springer Theses, 2016, , 73-106.	0.1	0