

Hua-Sheng Shao

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

6,409
citations

257450

24
h-index

144013

57
g-index

67
all docs

67
docs citations

67
times ranked

7693
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for quarkonium studies at the high-luminosity LHC. Progress in Particle and Nuclear Physics, 2022, 122, 103906.	14.4	41
2	Observing true tauonium via two-photon fusion at $e^+e^- \rightarrow \gamma\gamma \rightarrow \tau^+\tau^-$ and hadron colliders. Physical Review D, 2022, 105, .	4.7	5
3	NLO inclusive J/ψ photoproduction at large P_T at HERA and the EIC. SciPost Physics Proceedings, 2022, , .	0.4	0
4	A fixed-target programme at the LHC: Physics case and projected performances for heavy-ion, hadron, spin and astroparticle studies. Physics Reports, 2021, 911, 1-83.	25.6	28
5	Reweighted nuclear PDFs using heavy-flavor production data at the LHC. Physical Review D, 2021, 104, .	4.7	16
6	Single production of vector-like quarks: the effects of large width, interference and NLO corrections. Journal of High Energy Physics, 2021, 2021, 1.	4.7	23
7	Automated EW corrections with isolated photons: $t\bar{t} \rightarrow t\bar{t}\gamma$ and $t\bar{t}j$ as case studies. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
8	Complete NLO QCD study of single- and double-quarkonium hadroproduction in the colour-evaporation model at the Tevatron and the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135559.	4.1	20
9	Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. Physical Review D, 2020, 101, .	4.7	9
10	Large-P inclusive photoproduction of J/ψ in electron-proton collisions at HERA and the EIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135926.	4.1	13
11	J/ψ meson production in association with an open charm hadron at the LHC: A reappraisal. Physical Review D, 2020, 102, .	4.7	6
12	The gluon-fusion production of Higgs boson pair: N3LO QCD corrections and top-quark mass effects. Journal of High Energy Physics, 2020, 2020, 1.	4.7	38
13	Higgs boson pair production via gluon fusion at N3LO in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135292.	4.1	47
14	RIP $H \rightarrow b\bar{b}$: how other Higgs production modes conspire to kill a rare signal at the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
15	Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. Journal of High Energy Physics, 2020, 2020, 1.	4.7	0
16	Phenomenological NLO analysis of $\hat{\sigma}$ production at the LHC in the collider and fixed-target modes. Nuclear Physics B, 2019, 945, 114662.	2.5	16
17	Next-to-leading-order predictions for single vector-like quark production at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 206-211.	4.1	38
18	Triple Prompt J/ψ Hadroproduction as a Hard Probe of Multiple-Parton Scatterings. Physical Review Letters, 2019, 122, 192002.	7.8	14

#	ARTICLE	IF	CITATIONS
19	LHC constraints and potential on resonant monoton production. European Physical Journal C, 2019, 79, 1.	3.9	3
20	Boosting perturbative QCD stability in quarkonium production. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
21	Prompt J/ψ -pair production at the LHC: impact of loop-induced contributions and of the colour-octet mechanism. European Physical Journal C, 2019, 79, 1.	3.9	12
22	Automated simulations beyond the Standard Model: supersymmetry. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
23	Associated Quarkonium Hadroproduction at High-Energy Colliders. , 2019, , .		0
24	Predictions for cold nuclear matter effects in p+Pb collisions at $\sqrt{s} = 2.76$ TeV. Nuclear Physics A, 2018, 972, 18-85.	1.5	43
25	Hadroproduction at next-to-leading order and its relevance to Υ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 342-346.	4.1	22
26	Indication for double parton scatterings in W^+ prompt J/ψ production at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 485-491.	4.1	21
27	Gluon Shadowing in Heavy-Flavor Production at the LHC. Physical Review Letters, 2018, 121, 052004.	7.8	84
28	Phenomenological analysis of associated production of $Z0+b$ in the $b\bar{t}^*J/\psi X$ decay channel at the LHC. Nuclear Physics B, 2017, 916, 132-142.	2.5	15
29	NLO predictions for the production of a spin-two particle at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 507-513.	4.1	24
30	QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. European Physical Journal C, 2017, 77, 135.	3.9	45
31	The complete NLO corrections to dijet hadroproduction. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
32	Probing vector-like quark models with Higgs-boson pair production. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
33	$J/\psi+Z$ production at the LHC. EPJ Web of Conferences, 2017, 137, 06013.	0.3	0
34	Towards an automated tool to evaluate the impact of the nuclear modification of the gluon density on quarkonium, D and B meson production in proton-nucleus collisions. European Physical Journal C, 2017, 77, 1.	3.9	144
35	Heavy Quarkonium Production Phenomenology and Automation of One-Loop Scattering Amplitude Computations. Springer Theses, 2016, , .	0.1	0
36	Measuring the top Yukawa coupling at 100 TeV. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 035001.	3.6	34

#	ARTICLE	IF	CITATIONS
37	Associated production of a quarkonium and a Z boson at one loop in a quark-hadron-duality approach. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
38	Matching next-to-leading order predictions to parton showers in supersymmetric QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 82-87.	4.1	11
39	Complete Study of Hadronic Production of a Quarkonium Meson Associated with a Prompt Photon. Physical Review Letters, 2016, 117, 092001.	7.8	24
40	Probing heavy quarkonium production mechanism: Υ polarization. AIP Conference Proceedings, 2016, , .	4.7	39
41	HELAC-Onia 2.0: An upgraded matrix-element and event generator for heavy quarkonium physics. Computer Physics Communications, 2016, 198, 238-259.	0.4	3
42	HELAC-Onia 2.0: An upgraded matrix-element and event generator for heavy quarkonium physics. Computer Physics Communications, 2016, 198, 238-259.	7.5	91
43	One-Loop Computations: OPP Versus TIR. Springer Theses, 2016, , 101-117.	0.1	0
44	Background of Heavy Quarkonium Physics. Springer Theses, 2016, , 9-19.	0.1	0
45	HELAC-Onia. Springer Theses, 2016, , 21-36.	0.1	1
46	MadLoop5. Springer Theses, 2016, , 119-137.	0.1	0
47	Heavy Quarkonium Production in Hadronic Collisions. Springer Theses, 2016, , 37-71.	0.1	0
48	Inclusive J/ψ Production at B Factories. Springer Theses, 2016, , 73-85.	0.1	0
49	J/ψ -pair production at large momenta: Indications for double parton scatterings and large α_s corrections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 479-486.	4.1	74
50	Automated next-to-leading order predictions for new physics at the LHC: The case of colored scalar pair production. Physical Review D, 2015, 91, .	4.7	17
51	Electroweak and QCD corrections to top-pair hadroproduction in association with heavy bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	159
52	Double-quarkonium production at a fixed-target experiment at the LHC (AFTER@LHC). Nuclear Physics B, 2015, 900, 273-294.	2.5	42
53	Yields and polarizations of prompt J/ψ and $\Upsilon(2S)$ production in hadronic collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
54	Production at LHC and Implications for the Understanding of Υ Production. Physical Review Letters, 2015, 114, 092005.	7.8	72

