Stefan HÃ¶che

List of Publications by Year
in descending order

Version: 2024-02-01

32 papers	3,019 citations	279798 23 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	5410 citing authors

#	Article	IF	Citations
1	Comix, a new matrix element generator. Journal of High Energy Physics, 2008, 2008, 039-039.	4.7	502
2	Event generation with Sherpa 2.2. SciPost Physics, 2019, 7, .	4.9	376
3	QCD matrix elements and truncated showers. Journal of High Energy Physics, 2009, 2009, 053-053.	4.7	357
4	General-purpose event generators for LHC physics. Physics Reports, 2011, 504, 145-233.	25.6	337
5	A critical appraisal of NLO+PS matching methods. Journal of High Energy Physics, 2012, 2012, 1.	4.7	239
6	NLO matrix elements and truncated showers. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
7	NLO QCD matrix elements + parton showers in e+eâ^' â†' hadrons. Journal of High Energy Physics, 2013, 2013, 1.	4.7	95
8	Hard photon production and matrix-element parton-shower merging. Physical Review D, 2010, 81, .	4.7	91
9	The midpoint between dipole and parton showers. European Physical Journal C, 2015, 75, 1.	3.9	89
10	Drell-Yan lepton pair production at NNLO QCD with parton showers. Physical Review D, 2015, 91, .	4.7	79
11	Automating the Powheg method in Sherpa. Journal of High Energy Physics, 2011, 2011, 1.	4.7	70
12	Color-dressed recursive relations for multi-parton amplitudes. Journal of High Energy Physics, 2006, 2006, 062-062.	4.7	65
13	Event generation with normalizing flows. Physical Review D, 2020, 101, .	4.7	59
14	Higgs-boson production through gluon fusion at NNLO QCD with parton showers. Physical Review D, 2014, 90, .	4.7	56
15	Implementing NLO DGLAP evolution in parton showers. Journal of High Energy Physics, 2017, 2017, 1.	4.7	53
16	Hadronic final states in deep-inelastic scattering with Sherpa. European Physical Journal C, 2010, 67, 73-97.	3.9	50
17	Triple collinear emissions in parton showers. Physical Review D, 2017, 96, .	4.7	47
18	Beyond standard model calculations with Sherpa. European Physical Journal C, 2015, 75, 135.	3.9	46

#	Article	IF	Citations
19	Uncertainties in next-to-leading order plus parton shower matched simulations of inclusive jet and dijet production. Physical Review D, 2012, 86, .	4.7	45
20	W+n-Jet Predictions at the Large Hadron Collider at Next-To-Leading Order Matched with a Parton Shower. Physical Review Letters, 2013, 110, 052001.	7.8	45
21	Zero and one jet combined next-to-leading order analysis of the top quark forward-backward asymmetry. Physical Review D, 2013, 88, .	4.7	41
22	Leading-color fully differential two-loop soft corrections to QCD dipole showers. Physical Review D, 2018, 98, .	4.7	40
23	Uncertainties in MEPS@NLO calculations of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>h</mml:mi><mml:mo>+</mml:mo><mml:mtext mathvariant="bold">jets</mml:mtext></mml:mrow></mml:math>. Physical Review D, 2014, 90, .	4.7	31
24	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. Computing and Software for Big Science, 2021, 5, 1.	2.9	23
25	Simulation of vector boson plus many jet final states at the high luminosity LHC. Physical Review D, 2019, 100, .	4.7	21
26	Searching for Nambu-Goldstone bosons at the LHC. Journal of High Energy Physics, 2008, 2008, 036-036.	4.7	19
27	Hadronic final states in DIS at NNLO QCD with parton showers. Physical Review D, 2018, 98, .	4.7	15
28	Disentangling soft and collinear effects in QCD parton showers. Physical Review D, 2022, 105, .	4.7	11
29	Multi-jet events in the k T -factorisation scheme. European Physical Journal C, 2008, 58, 17-28.	3.9	9
30	Multijet merging in a variable flavor number scheme. Physical Review D, 2019, 100, .	4.7	7
31	Jets and Jet Substructure at Future Colliders. Frontiers in Physics, 0, 10, .	2.1	4
32	Applications of higher-order QCD. International Journal of Modern Physics A, 2014, 29, 1430061.	1.5	0