

Peter Skands

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

9,374
citations

12
h-index

28
g-index

28
ext. papers

10,114
ext. citations

6.8
avg, IF

6.33
L-index

#	Paper	IF	Citations
26	Multipole photon radiation in the Vincia parton shower. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135878	4.2	1
25	String fragmentation with a time-dependent tension. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	0
24	Fragmentation of two repelling Lund strings. <i>SciPost Physics</i> , 2020 , 8,	6.1	3
23	Sector showers for hadron collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
22	Estimating QCD uncertainties in Monte Carlo event generators for gamma-ray dark matter searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 007-007	6.4	17
21	Coherent showers in decays of colored resonances. <i>Physical Review D</i> , 2019 , 100,	4.9	5
20	Average event properties from LHC to FCC-hh. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	3
19	LHC@Home: a BOINC-based volunteer computing infrastructure for physics studies at CERN. <i>Open Engineering</i> , 2017 , 7, 379-393	1.7	9
18	A framework for second-order parton showers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 59-66	4.2	28
17	Systematics of quark/gluon tagging. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	55
16	Helicity antenna showers for hadron colliders. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	10
15	Modelling hadronic interactions in HEP MC generators. <i>EPJ Web of Conferences</i> , 2015 , 99, 09001	0.3	
14	Particle physics: The mass of a top. <i>Nature</i> , 2014 , 514, 174-6	50.4	
13	Future hadron colliders: From physics perspectives to technology R&D. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 764, 352-368	1.2	27
12	Determination of the top quark mass circa 2013: methods, subtleties, perspectives. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	19
11	QCD coherence and the top quark asymmetry. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	40
10	Volunteer Clouds and Citizen Cyberscience for LHC Physics. <i>Journal of Physics: Conference Series</i> , 2011 , 331, 062022	0.3	7

9	ForwardBackward correlations and event shapes as probes of minimum-bias event properties. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	14
8	General-purpose event generators for LHC physics. <i>Physics Reports</i> , 2011 , 504, 145-233	27.7	264
7	Some remarks on dipole showers and the DGLAP equation. <i>Physical Review D</i> , 2009 , 79,	4.9	12
6	A brief introduction to PYTHIA 8.1. <i>Computer Physics Communications</i> , 2008 , 178, 852-867	4.2	3019
5	Examining the identity of Yukawa with gauge couplings in supersymmetric QCD at LHC. <i>Journal of High Energy Physics</i> , 2007 , 2007, 025-025	5.4	15
4	Determining the SUSY-QCD Yukawa coupling. <i>Journal of High Energy Physics</i> , 2006 , 2006, 043-043	5.4	11
3	Implications of direct dark matter constraints for minimal supersymmetric standard model Higgs boson searches at the Tevatron. <i>Physical Review Letters</i> , 2006 , 97, 051801	7.4	15
2	PYTHIA 6.4 physics and manual. <i>Journal of High Energy Physics</i> , 2006 , 2006, 026-026	5.4	5794
1	QCD (&) Event Generators. <i>AIP Conference Proceedings</i> , 2005 ,	0	3