

Alberto Guffanti

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

6,510
citations

236925

25
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

7503
citing authors

#	ARTICLE	IF	CITATIONS
1	Parton distributions with LHC data. Nuclear Physics B, 2013, 867, 244-289.	2.5	1,299
2	Parton distributions for the LHC run II. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1,298
3	Parton distributions from high-precision collider data. European Physical Journal C, 2017, 77, 663.	3.9	897
4	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
5	Parton distributions with QED corrections. Nuclear Physics B, 2013, 877, 290-320.	2.5	425
6	A first unbiased global NLO determination of parton distributions and their uncertainties. Nuclear Physics B, 2010, 838, 136-206.	2.5	291
7	Impact of heavy quark masses on parton distributions and LHC phenomenology. Nuclear Physics B, 2011, 849, 296-363.	2.5	271
8	A determination of parton distributions with faithful uncertainty estimation. Nuclear Physics B, 2009, 809, 1-63.	2.5	207
9	Unbiased global determination of parton distributions and their uncertainties at NNLO and at LO. Nuclear Physics B, 2012, 855, 153-221.	2.5	198
10	Reweighting and unweighting of parton distributions and the LHC W lepton asymmetry data. Nuclear Physics B, 2012, 855, 608-638.	2.5	122
11	Reweighting NNPDFs: The W lepton asymmetry. Nuclear Physics B, 2011, 849, 112-143.	2.5	114
12	Non-singlet QCD analysis of deep inelastic world data at. Nuclear Physics B, 2007, 774, 182-207.	2.5	112
13	Precision determination of electroweak parameters and the strange content of the proton from neutrino deep-inelastic scattering. Nuclear Physics B, 2009, 823, 195-233.	2.5	95
14	Fitting parton distribution data with multiplicative normalization uncertainties. Journal of High Energy Physics, 2010, 2010, 1.	4.7	84
15	Unbiased determination of polarized parton distributions and their uncertainties. Nuclear Physics B, 2013, 874, 36-84.	2.5	76
16	A determination of the charm content of the proton. European Physical Journal C, 2016, 76, 647.	3.9	75
17	Next-to-Leading Order QCD Corrections to the Production of Two Bottom-Antibottom Pairs at the LHC. Physical Review Letters, 2011, 107, 102002.	7.8	58
18	Precision NNLO determination of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/$	4.1	50

#	ARTICLE	IF	CITATIONS
19	Next-to-leading order QCD corrections to di-photon production in association with up to three jets at the Large Hadron Collider. Journal of High Energy Physics, 2014, 2014, 1.	4.7	46
20	Non-singlet QCD Analysis of the Structure Function F2 in 3-Loops. Nuclear Physics, Section B, Proceedings Supplements, 2004, 135, 152-155.	0.4	37
21	The impact of the LHC Z-boson transverse momentum data on PDF determinations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
22	Theoretical issues in PDF determination and associated uncertainties. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 330-339.	4.1	31
23	An extensive survey of the estimation of uncertainties from missing higher orders in perturbative calculations. Journal of High Energy Physics, 2015, 2015, 1.	4.7	31
24	Precision determination of α_s . <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	4.1	21
25	Polarized parton distributions at an electron-ion collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 524-531.	4.1	19
26	Non-perturbative effects in the W and Z transverse momentum distribution. Journal of High Energy Physics, 2000, 2000, 025-025.	4.7	13
27	Recent Progress in the Golem Project. Nuclear Physics, Section B, Proceedings Supplements, 2010, 205-206, 67-73.	0.4	11
28	On the impact of NMC data on NLO and NNLO parton distributions and Higgs production at the Tevatron and the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 36-42.	4.1	10
29	Scheme-invariant NNLO evolution for unpolarized DIS structure functions. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 87-91.	0.4	7
30	NNLO ANALYSIS OF UNPOLARIZED DIS STRUCTURE FUNCTIONS. , 2007, , .		1
31	Monte Carlo analysis of CLAS data. , 2008, , .		0
32	Recent Progress on NNPDF for LHC. , 2008, , .		0