

Alberto Guffanti

List of Publications by Year in descending order

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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 from high-precision collider data. European Physical Journal C, 2017, 77, 663.	3.9	897
2	The impact of the LHC Z-boson transverse momentum data on PDF determinations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
3	A determination of the charm content of the proton. European Physical Journal C, 2016, 76, 647.	3.9	75
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 for the LHC run II. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1,298
6	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
7	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
8	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
9	Parton distributions with QED corrections. Nuclear Physics B, 2013, 877, 290-320.	2.5	425
10	Unbiased determination of polarized parton distributions and their uncertainties. Nuclear Physics B, 2013, 874, 36-84.	2.5	76
11	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
12	Parton distributions with LHC data. Nuclear Physics B, 2013, 867, 244-289.	2.5	1,299
13	Unbiased global determination of parton distributions and their uncertainties at NNLO and at LO. Nuclear Physics B, 2012, 855, 153-221.	2.5	198
14	Reweighting and unweighting of parton distributions and the LHC W lepton asymmetry data. Nuclear Physics B, 2012, 855, 608-638.	2.5	122
15	Precision NNLO determination of α_s . 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
16	Reweighting NNPDFs: The W lepton asymmetry. Nuclear Physics B, 2011, 849, 112-143.	2.5	114
17	Impact of heavy quark masses on parton distributions and LHC phenomenology. Nuclear Physics B, 2011, 849, 296-363.	2.5	271
18	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

#	ARTICLE	IF	CITATIONS
19	<p> A determination of α_s from the first moments of the parton distribution functions arXiv:0907.3276 [hep-ph] [inSPIRE] </p> <p> xmls:xocs="http://www.elsevier.com/xml/xocs/dtd" xmls:xs="http://www.w3.org/2001/XMLSchema" xmls: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:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" </p>	4.1	21
20	<p> Next-to-Leading Order QCD Corrections to the Production of Two Bottom-Antibottom Pairs at the LHC. Physical Review Letters, 2011, 107, 102002. </p>	7.8	58
21	<p> Fitting parton distribution data with multiplicative normalization uncertainties. Journal of High Energy Physics, 2010, 2010, 1. </p>	4.7	84
22	<p> Recent Progress in the Golem Project. Nuclear Physics, Section B, Proceedings Supplements, 2010, 205-206, 67-73. </p>	0.4	11
23	<p> A first unbiased global NLO determination of parton distributions and their uncertainties. Nuclear Physics B, 2010, 838, 136-206. </p>	2.5	291
24	<p> A determination of parton distributions with faithful uncertainty estimation. Nuclear Physics B, 2009, 809, 1-63. </p>	2.5	207
25	<p> Precision determination of electroweak parameters and the strange content of the proton from neutrino deep-inelastic scattering. Nuclear Physics B, 2009, 823, 195-233. </p>	2.5	95
26	<p> Monte Carlo analysis of CLAS data. , 2008, , . </p>		0
27	<p> Recent Progress on NNPDF for LHC. , 2008, , . </p>		0
28	<p> Non-singlet QCD analysis of deep inelastic world data at. Nuclear Physics B, 2007, 774, 182-207. </p>	2.5	112
29	<p> NNLO ANALYSIS OF UNPOLARIZED DIS STRUCTURE FUNCTIONS. , 2007, , . </p>		1
30	<p> Scheme-invariant NNLO evolution for unpolarized DIS structure functions. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 87-91. </p>	0.4	7
31	<p> Non-singlet QCD Analysis of the Structure Function F2 in 3-Loops. Nuclear Physics, Section B, Proceedings Supplements, 2004, 135, 152-155. </p>	0.4	37
32	<p> Non-perturbative effects in the W and Z transverse momentum distribution. Journal of High Energy Physics, 2000, 2000, 025-025. </p>	4.7	13