

Prakash Mathews

List of Publications by Year in descending order

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51
papers

1,051
citations

430874

18
h-index

414414

32
g-index

51
all docs

51
docs citations

51
times ranked

3700
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for Higgs characterisation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	154
2	Next-to-leading order QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity. Nuclear Physics B, 2005, 713, 333-377.	2.5	83
3	Getting to the top with extra dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 343-347.	4.1	65
4	Direct photon pair production at the LHC to in TeV scale gravity models. Nuclear Physics B, 2009, 818, 28-51.	2.5	55
5	Diphoton signals in theories with large extra dimensions to NLO QCD at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 45-50.	4.1	53
6	NLO-QCD corrections to dilepton production in the Randall-Sundrum model. Journal of High Energy Physics, 2005, 2005, 031-031.	4.7	50
7	Large extra dimensions and deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 455, 115-119.	4.1	43
8	PDF and scale uncertainties of various DY distributions in ADD and RS models at hadron colliders. European Physical Journal C, 2007, 49, 599-611.	3.9	42
9	Compton scattering in noncommutative space-time at the Next Linear Collider. Physical Review D, 2001, 63, .	4.7	40
10	Angular distribution of Drell-Yan process at hadron colliders to NLO-QCD in models of TeV scale gravity. Nuclear Physics B, 2006, 753, 1-15.	2.5	40
11	Unparticle physics at hadron collider via dilepton production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 198-206.	4.1	40
12	Pseudo-scalar Higgs boson production at N ³ LO _{ext} and N ³ LL. European Physical Journal C, 2016, 76, 663.	3.9	31
13	Testing TeV scale quantum gravity using Dijet production at the Tevatron. Journal of High Energy Physics, 2000, 2000, 008-008.	4.7	27
14	Pseudo-scalar form factors at three loops in QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
15	Pseudo-scalar Higgs boson production at threshold N ³ LO and N ³ LL QCD. European Physical Journal C, 2016, 76, 1.	3.9	22
16	Unparticle physics in diphoton production at the CERN LHC. Physical Review D, 2008, 77, .	4.7	21
17	Diphoton production in the ADD model to NLO + parton shower accuracy at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	19
18	Two-loop QCD corrections to Higgs $\hat{\sigma}(b + b \rightarrow \overline{b} + g)$ amplitude. Journal of High Energy Physics, 2014, 2014, 1.	4.7	19

#	ARTICLE	IF	CITATIONS
19	NLO-QCD corrections to $\gamma\gamma$ hadrons in models of TeV-scale gravity. Journal of High Energy Physics, 2004, 2004, 048-048.	4.7	15
20	NNLO QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity. European Physical Journal C, 2017, 77, 1.	3.9	15
21	Drell-Yan, ZZ , ZW^+W^- production in SM & ADD model to NLO $\mathcal{O}(\alpha_s)$ + PS accuracy at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	14
22	Quark and gluon spin-2 form factors to two-loops in QCD. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
23	Graviton plus vector boson production to NLO in QCD at the LHC. Nuclear Physics B, 2011, 847, 54-92.	2.5	12
24	RS resonance in di-final state production at the LHC to NLO+PS accuracy. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
25	Searching for signals of minimal length in extra dimensional models using dilepton production at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 603, 46-50.	4.1	11
26	Next-to-next-to-leading order QCD corrections in models of TeV-scale gravity. Journal of High Energy Physics, 2014, 2014, 1.	4.7	11
27	Neutral triple electroweak gauge boson production in the large extra-dimension model at the LHC. Physical Review D, 2012, 85, .	4.7	10
28	Two loop QCD amplitudes for di-pseudo scalar production in gluon fusion. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
29	Spin analysis of s-channel diphoton resonances at the LHC. Physical Review D, 2011, 84, .	4.7	9
30	Vector boson production in association with KK modes of the ADD model to NLO in QCD at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 055001.	3.6	9
31	Two-Loop QCD correction to massive spin-2 resonance $\hat{\pi}^3$ gluons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
32	Three loop form factors of a massive spin-2 particle with nonuniversal coupling. Physical Review D, 2017, 95, .	4.7	8
33	NNLO QCD corrections to production of a spin-2 particle with nonuniversal couplings in the Drell-Yan process. Physical Review D, 2018, 97, .	4.7	8
34	Large extra dimensions and dijet production in $\hat{\pi}^3$ collisions. Journal of High Energy Physics, 1999, 1999, 004-004.	4.7	7
35	Spin-2 form factors at three loop in QCD. Journal of High Energy Physics, 2015, 2015, 1-22.	4.7	6
36	Dijet production at the LHC through unparticles. Physical Review D, 2009, 80, .	4.7	5

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37	Neutral triple vector boson production in Randall-Sundrum model at the LHC. Physical Review D, 2015, 92, .	4.7	5
38	Next-to-soft-virtual resummed prediction for pseudoscalar Higgs boson production at NNLO^+ . Physical Review D, 2022, 105, .	4.7	5
39	Working group report: Quantum chromodynamics. Pramana - Journal of Physics, 2004, 63, 1367-1379.	1.8	4
40	Unparticles in diphoton production to next-to-leading order in QCD at the LHC. Physical Review D, 2009, 79, .	4.7	4
41	NNLO QCD corrections to the resonant sneutrino/slepton production at hadron colliders. Nuclear Physics B, 2011, 850, 287-320.	2.5	4
42	Three photon production to NLO+PS accuracy at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	4
43	The two-loop QCD correction to massive spin-2 resonance $g \rightarrow q \bar{q} g$. European Physical Journal C, 2016, 76, 1.	3.9	4
44	Publisher's Note: Unparticle physics in diphoton production at the CERN LHC [Phys. Rev. D 77 , 055013 (2008)]. Physical Review D, 2008, 77, .	4.7	3
45	Finite tension strings in SU(2) gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 171, 64-66.	4.1	2
46	NLO QCD Corrections to Drell-Yan in TeV-scale Gravity Models. Nuclear Physics, Section B, Proceedings Supplements, 2006, 157, 251-255.	0.4	1
47	Working group report: Quantum chromodynamics. Pramana - Journal of Physics, 2006, 67, 983-992.	1.8	0
48	Extra dimension searches at hadron colliders to next-to-leading order-QCD. Pramana - Journal of Physics, 2007, 69, 871-876.	1.8	0
49	Publisher's Note: Spin analysis of s-channel diphoton resonances at the LHC [Phys. Rev. D 84 , 115008 (2011)]. Physical Review D, 2011, 84, .	4.7	0
50	Spin determination of heavy s-channel diphoton resonances at the LHC. , 2012, , .		0
51	QCD at the Large Hadron Collider—Higgs Searches and Some Non-SUSY Extensions Beyond the SM. , 2009, , 91-103.		0