

Prakash Mathews

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1111745/publications.pdf>

Version: 2024-02-01

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	Next-to-soft-virtual resummed prediction for pseudoscalar Higgs boson production at $\mathcal{O}(\alpha_s^3)$. <i>Physical Review D</i> , 2022, 105, .	4.7	5
2	Two loop QCD amplitudes for di-pseudo scalar production in gluon fusion. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	10
3	NNLO QCD corrections to production of a spin-2 particle with nonuniversal couplings in the Drell-Yan process. <i>Physical Review D</i> , 2018, 97, .	4.7	8
4	NNLO QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	15
5	Three loop form factors of a massive spin-2 particle with nonuniversal coupling. <i>Physical Review D</i> , 2017, 95, .	4.7	8
6	The two-loop QCD correction to massive spin-2 resonance $q\bar{q} \rightarrow g \hat{\tau}^+ q \hat{\tau}^- g$. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	4
7	Pseudo-scalar Higgs boson production at N ³ LO _{ext} and N ³ LL. <i>European Physical Journal C</i> , 2016, 76, 663.	3.9	31
8	Pseudo-scalar Higgs boson production at threshold N ³ LO and N ³ LL QCD. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	22
9	Neutral triple vector boson production in Randall-Sundrum model at the LHC. <i>Physical Review D</i> , 2015, 92, .	4.7	5
10	Pseudo-scalar form factors at three loops in QCD. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	27
11	Spin-2 form factors at three loop in QCD. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-22.	4.7	6
12	Three photon production to NLO+PS accuracy at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	4
13	RS resonance in di-final state production at the LHC to NLO+PS accuracy. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	12
14	Drell-Yan, ZZ , W^+W^- production in SM & ADD model to NLO+PS accuracy at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	14
15	Quark and gluon spin-2 form factors to two-loops in QCD. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	13
16	Next-to-next-to-leading order QCD corrections in models of TeV-scale gravity. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	11
17	Two-Loop QCD correction to massive spin-2 resonance $\hat{\tau}^+ 3$ gluons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	9
18	Two-loop QCD corrections to Higgs $\hat{\tau}^+ b + b \hat{\tau}^-$ $\overline{b} b + g$ amplitude. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	19

#	ARTICLE	IF	CITATIONS
19	A framework for Higgs characterisation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	154
20	Spin determination of heavy s-channel diphoton resonances at the LHC. , 2012, , .		0
21	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
22	Neutral triple electroweak gauge boson production in the large extra-dimension model at the LHC. Physical Review D, 2012, 85, .	4.7	10
23	Spin analysis of s-channel diphoton resonances at the LHC. Physical Review D, 2011, 84, .	4.7	9
24	Graviton plus vector boson production to NLO in QCD at the LHC. Nuclear Physics B, 2011, 847, 54-92.	2.5	12
25	NNLO QCD corrections to the resonant sneutrino/slepton production at hadron colliders. Nuclear Physics B, 2011, 850, 287-320.	2.5	4
26	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
27	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
28	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
29	Unparticles in diphoton production to next-to-leading order in QCD at the LHC. Physical Review D, 2009, 79, .	4.7	4
30	Dijet production at the LHC through unparticles. Physical Review D, 2009, 80, .	4.7	5
31	Direct photon pair production at the LHC to in TeV scale gravity models. Nuclear Physics B, 2009, 818, 28-51.	2.5	55
32	QCD at the Large Hadron Collider "Higgs Searches and Some Non-SUSY Extensions Beyond the SM. , 2009, , 91-103.		0
33	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
34	Unparticle physics in diphoton production at the CERN LHC. Physical Review D, 2008, 77, .	4.7	21
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Extra dimension searches at hadron colliders to next-to-leading order-QCD. Pramana - Journal of Physics, 2007, 69, 871-876.	1.8	0
38	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
39	NLO QCD Corrections to Drell-Yan in TeV-scale Gravity Models. Nuclear Physics, Section B, Proceedings Supplements, 2006, 157, 251-255.	0.4	1
40	Working group report: Quantum chromodynamics. Pramana - Journal of Physics, 2006, 67, 983-992.	1.8	0
41	NLO-QCD corrections to dilepton production in the Randall-Sundrum model. Journal of High Energy Physics, 2005, 2005, 031-031.	4.7	50
42	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
43	NLO-QCD corrections to e ⁺ e ⁻ hadrons in models of TeV-scale gravity. Journal of High Energy Physics, 2004, 2004, 048-048.	4.7	15
44	Working group report: Quantum chromodynamics. Pramana - Journal of Physics, 2004, 63, 1367-1379.	1.8	4
45	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
46	Compton scattering in noncommutative space-time at the Next Linear Collider. Physical Review D, 2001, 63, .	4.7	40
47	Testing TeV scale quantum gravity using Dijet production at the Tevatron. Journal of High Energy Physics, 2000, 2000, 008-008.	4.7	27
48	Large extra dimensions and dijet production in $\hat{p}\hat{p}$ collisions. Journal of High Energy Physics, 1999, 1999, 004-004.	4.7	7
49	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
50	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
51	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