

Nikolaos Kidonakis

List of Publications by Year in descending order

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84
papers

3,664
citations

186265

28
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128289

60
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all docs

84
docs citations

84
times ranked

5275
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Next-to-next-to-leading order soft anomalous dimensions for single top quark associated production with a</p> $W^{\pm} \text{ or } H$ <p>Next-to-next-to-leading order collinear and soft gluon corrections for</p>	4.7	369
2	<p>t-channel single top quark production. Physical Review D, 2011, 83, .</p>	4.7	284
3	<p>s-channel single top quark production. Physical Review D, 2010, 81, .</p>	4.7	262
4	Evolution of color exchange in QCD hard scattering. Nuclear Physics B, 1998, 531, 365-402.	2.5	245
5	Resummation for QCD hard scattering. Nuclear Physics B, 1997, 505, 321-348.	2.5	238
6	Next-to-next-to-leading order soft-gluon corrections in top quark hadroproduction. Physical Review D, 2003, 68, .	4.7	195
7	Threshold resummation for dijet cross sections. Nuclear Physics B, 1998, 525, 299-332.	2.5	159
8	Single top quark production at the Fermilab Tevatron: Threshold resummation and finite-order soft gluon corrections. Physical Review D, 2006, 74, .	4.7	150
9	Theoretical top quark cross section at the Fermilab Tevatron and the CERN LHC. Physical Review D, 2008, 78, .	4.7	146
10	Next-to-next-to-leading soft-gluon corrections for the top quark cross section and transverse momentum distribution. Physical Review D, 2010, 82, .	4.7	143
11	Effects of higher-order threshold corrections in high-ETjet production. Physical Review D, 2001, 63, .	4.7	130
12	Subleading logarithms in QCD hard scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 867-874.	4.1	109
13	Two-Loop Soft Anomalous Dimensions and Next-to-Next-to-Leading-Logarithm Resummation for Heavy Quark Production. Physical Review Letters, 2009, 102, 232003.	7.8	107
14	Sudakov resummation and finite order expansions of heavy quark hadroproduction cross sections. Physical Review D, 2001, 64, .	4.7	83
15	NNLL threshold resummation for top-pair and single-top production. Physics of Particles and Nuclei, 2014, 45, 714-722.	0.7	69
16	High-order corrections and subleading logarithms for top quark production. Physical Review D, 2001, 64, .	4.7	57
17	Higher-order soft gluon corrections in single top quark production at the CERN LHC. Physical Review D, 2007, 75, .	4.7	55
18	Soft-gluon resummation and NNLO corrections for direct photon production. Physical Review D, 2000, 61, .	4.7	50

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19	Top quark rapidity distribution and forward-backward asymmetry. Physical Review D, 2011, 84, .	4.7	46
20	RESUMMATION FOR HEAVY QUARK AND JET CROSS-SECTIONS. International Journal of Modern Physics A, 2000, 15, 1245-1296.	1.5	37
21	Charged Higgs production via $g\gamma$ at the LHC. Journal of High Energy Physics, 2005, 2005, 011-011.	4.7	36
22	Next-to-next-to-next-to-leading-order soft-gluon corrections in hard-scattering processes near threshold. Physical Review D, 2006, 73, .	4.7	33
23	NNLO soft-gluon corrections for the top-antitop pair production cross section. Physical Review D, 2014, 90, .	4.7	33
24	FCNC top quark production via anomalous $Q\bar{Q}$ couplings beyond leading order. Journal of High Energy Physics, 2003, 2003, 004-004.	4.7	30
25	Top-quark production and QCD. European Physical Journal C, 2012, 72, 1.	3.9	30
26	Top quark forward-backward asymmetry at approximate N^3LO . Physical Review D, 2015, 91, .	4.7	30
27	NNLO soft-gluon corrections for the top-quark $p\bar{p} \rightarrow t\bar{t}$ and rapidity distributions. Physical Review D, 2015, 91, .	4.7	30
28	QCD corrections to flavor-changing-neutral-current single top production at the DESY HERA collider. Physical Review D, 2002, 65, .	4.7	29
29	Electroweak-boson hadroproduction at large transverse momentum: factorization, resummation, and NNLO corrections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 87-96.	4.1	27
30	A UNIFIED APPROACH TO NNLO SOFT AND VIRTUAL CORRECTIONS IN ELECTROWEAK, HIGGS, QCD, AND SUSY PROCESSES. International Journal of Modern Physics A, 2004, 19, 1793-1821.	1.5	27
31	Top quark inclusive differential distributions. Physical Review D, 1995, 51, 6092-6102.	4.7	26
32	W Production at Large Transverse Momentum at the CERN Large Hadron Collider. Physical Review Letters, 2005, 95, 222001.	7.8	23
33	THEORETICAL STATUS OF THE TOP QUARK CROSS SECTION. International Journal of Modern Physics A, 2005, 20, 3171-3173.	1.5	21
34	Soft-gluon corrections for $t\bar{t}$ production at N ³ LO. Physical Review D, 2017, 96, .	4.7	21
35	Soft anomalous dimensions for single-top production at three loops. Physical Review D, 2019, 99, .	4.7	20
36	W hadroproduction at large transverse momentum beyond next-to-leading order. Journal of High Energy Physics, 2004, 2004, 027-027.	4.7	18

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37	Resummed heavy quark production cross sections to next-to-leading logarithm. Physical Review D, 1997, 56, 1553-1570.	4.7	17
38	Higher-order corrections for tW production at high-energy hadron colliders. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
39	Top quark production at the Tevatron at NNLO. European Physical Journal C, 2004, 33, s466-s468.	3.9	15
40	Soft-gluon corrections in top-quark production. International Journal of Modern Physics A, 2018, 33, 1830021.	1.5	15
41	BOTTOM QUARK PRODUCTION CROSS-SECTION AT HERA-B. Modern Physics Letters A, 1996, 11, 587-598.	1.2	14
42	Threshold effects in charm hadroproduction. Physical Review D, 2003, 67, .	4.7	14
43	Collinear and soft-gluon corrections to Higgs production at next-to-next-to-next-to-leading order. Physical Review D, 2008, 77, .	4.7	14
44	Single-top transverse-momentum distributions at approximate NNLO. Physical Review D, 2016, 93, .	4.7	14
45	NEXT-TO-NEXT-TO-LEADING ORDER SOFT AND VIRTUAL CORRECTIONS FOR QCD, HIGGS AND SUSY PROCESSES. Modern Physics Letters A, 2004, 19, 405-419.	1.2	13
46	Three-loop cusp anomalous dimension and a conjecture for n loops. International Journal of Modern Physics A, 2016, 31, 1650076.	1.5	12
47	Higher-order corrections for $t\bar{t}Z$ production via anomalous couplings. Physical Review D, 2018, 97, .	4.7	12
48	NEXT-TO-NEXT-TO-LEADING-ORDER SOFT-GLUON CORRECTIONS IN DIRECT PHOTON PRODUCTION. International Journal of Modern Physics A, 2004, 19, 149-158.	1.5	11
49	Resummation for $2\to n$ processes in single-particle-inclusive kinematics. Physical Review D, 2020, 102, .	4.7	11
50	Soft-gluon resummation for heavy quark production in hadronic collisions. Physical Review D, 1999, 59, .	4.7	10
51	Top-quark transverse-momentum distributions int-channel single-top production. Physical Review D, 2013, 88, .	4.7	10
52	Higher-order QCD corrections for theW-boson transverse momentum distribution. Physical Review D, 2013, 87, .	4.7	10
53	Charged Higgs production in association with a top quark at approximate NNLO. Physical Review D, 2016, 94, .	4.7	10
54	Resummation of next-to-leading logarithms in top quark production. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 402-405.	0.4	8

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55	Soft Anomalous Dimensions and Resummation in QCD. Universe, 2020, 6, 165.	2.5	8
56	Top-quark double-differential distributions at approximate $N^3\text{LO}$ Physical Review D, 2020, 101, .	4.7	8
57	Associated production of a top quark with a photon via anomalous couplings. Physical Review D, 2018, 98, .	4.7	7
58	NNLO soft-gluon corrections for the Z boson and W boson transverse momentum distributions. Physical Review D, 2014, 89, .	4.7	6
59	$t\bar{t}$ production at hadron colliders. European Physical Journal C, 2020, 80, 1.	3.9	6
60	Heavy-Flavor Production at Accelerators. Nuclear Physics A, 2009, 827, 448c-453c.	1.5	5
61	Soft-gluon corrections in FCNC top-quark production via anomalous gluon couplings. Physical Review D, 2014, 90, .	4.7	5
62	Soft-gluon corrections for the associated production of a single top quark and a Higgs boson. Physical Review D, 2021, 104, .	4.7	5
63	NNLO results for heavy quark and direct photon production near threshold. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 410-412.	0.4	3
64	Understanding bottom production. Nuclear Physics A, 2003, 715, 549c-552c.	1.5	3
65	COLLINEAR AND SOFT RESUMMATION IN THE LARGE-X LIMIT. International Journal of Modern Physics A, 2005, 20, 3726-3728.	1.5	3
66	Higher-order radiative corrections for $b\bar{b}\hat{\tau}^+W^+$. Physical Review D, 2018, 97, .	4.7	3
67	TOP QUARK TOTAL AND DIFFERENTIAL CROSS SECTIONS AT NNLO AND NNLL. International Journal of Modern Physics A, 2001, 16, 363-365.	1.5	2
68	Single top quark production cross section at hadron colliders. , 2010, , .		2
69	Top quark and charged Higgs production at hadron colliders. AIP Conference Proceedings, 2005, , .	0.4	1
70	Soft-gluon expansions through NNNLO. AIP Conference Proceedings, 2005, , .	0.4	1
71	Total and Differential Cross Sections for Higgs and Top-Quark Production. Universe, 2018, 4, 121.	2.5	1
72	LARGE-QTW-BOSON PRODUCTION AT THE TEVATRON. International Journal of Modern Physics A, 2005, 20, 3233-3235.	1.5	0

#	ARTICLE	IF	CITATIONS
73	Single-top and top-antitop cross sections. EPJ Web of Conferences, 2018, 192, 00004.	0.3	0
74	W-BOSON PRODUCTION WITH LARGE TRANSVERSE MOMENTUM AT THE LHC. , 2007, , .		0
75	SOFT-GLUON CORRECTIONS IN HARD-SCATTERING PROCESSES THROUGH NNNLO. , 2007, , .		0
76	Higher-Order Threshold Corrections for Single Top Quark Production. , 2007, , .		0
77	Status of eikonal two-loop calculations with massive quarks. , 2008, , .		0
78	Two-loop resummation for QCD hard scattering. , 2010, , .		0
79	NNLL resummation for W-boson production at large pT. , 2013, , .		0
80	Charged Higgs production with a W boson or a top quark. , 2017, , .		0
81	Three-loop soft anomalous dimensions in QCD. SciPost Physics Proceedings, 2022, , .	0.4	0
82	Three-loop soft anomalous dimensions for top-quark processes. SciPost Physics Proceedings, 2022, , .	0.4	0
83	Resummation for tqH production. SciPost Physics Proceedings, 2022, , .	0.4	0
84	tW and tZ production at hadron colliders. SciPost Physics Proceedings, 2022, , .	0.4	0