

Daniel de Florian

List of Publications by Year in descending order

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docs citations

135
times ranked

15584
citing authors

#	ARTICLE	IF	CITATIONS
1	Pion fragmentation functions at high energy colliders. Physical Review D, 2022, 105, .	1.6	10
2	Dijet production in neutral current and charged current polarized deep inelastic scattering. Physical Review D, 2022, 105, .	1.6	2
3	Towards a Global QCD Analysis of Fragmentation Functions at Next-to-Next-to-Leading Order Accuracy. Physical Review Letters, 2022, 129, .	2.9	12
4	Inclusive-jet and dijet production in polarized deep inelastic scattering. Physical Review D, 2021, 103, .	1.6	6
5	Anomalous couplings in Higgs-boson pair production at approximate NNLO QCD. Journal of High Energy Physics, 2021, 2021, 1.	1.6	7
6	Approximate NNLO QCD corrections to semi-inclusive DIS. Physical Review D, 2021, 104, .	1.6	11
7	Mixed QCD—QED corrections to exclusive Drell Yan production using the q_T -subtraction method. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
8	Electroweak boson production at large transverse momentum in double polarized $\langle p \rangle$ scattering at next-to-leading order accuracy. Physical Review D, 2020, 101, .	1.6	0
9	Jet Production in Polarized Deep Inelastic Scattering at Next-to-Next-to-Leading Order. Physical Review Letters, 2020, 125, 082001.	2.9	14
10	DYTurbo: fast predictions for Drell—Yan processes. European Physical Journal C, 2020, 80, 1.	1.4	31
11	Triple Higgs production at hadron colliders at NNLO in QCD. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
12	Spin budget of the proton at NNLO and beyond. Physical Review D, 2019, 99, .	1.6	11
13	Soft-gluon effective coupling and cusp anomalous dimension. European Physical Journal C, 2019, 79, 685.	1.4	18
14	Monte—Carlo sampling variant of the DSSV14 set of helicity parton densities. Physical Review D, 2019, 100, .	1.6	48
15	Soft gluon resummation for Higgs boson pair production including finite M_t effects. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
16	$\langle QCD \rangle$ NNLO corrections to Drell-Yan production. Physical Review D, 2018, 98, .	1.6	40
17	Diphoton production at the LHC: a QCD study up to NNLO. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
18	Review of Particle Physics. Physical Review D, 2018, 98, .	1.6	5,390

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19	Transverse-momentum resummation for the signal-background interference in the $H \rightarrow \gamma \gamma$ channel at the LHC. Physical Review D, 2017, 96, .	1.6	7
20	Towards semi-inclusive deep inelastic scattering at next-to-next-to-leading order. Physical Review D, 2017, 95, .	1.6	6
21	Parton-to-kaon fragmentation revisited. Physical Review D, 2017, 95, .	1.6	76
22	Two-loop corrections to the triple Higgs boson production cross section. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
23	Precision studies of observables in $pp \rightarrow W \rightarrow l \nu$ and $pp \rightarrow \gamma, Z \rightarrow l^+ l^-$ processes at the LHC. European Physical Journal C, 2017, 77, 1.	1.4	48
24	Higgs boson pair production at NNLO in QCD including dimension 6 operators. Journal of High Energy Physics, 2017, 2017, 1.	1.6	20
25	Transversely polarized Drell-Yan asymmetry A_T at NLO. Physical Review D, 2017, 96, .	1.6	2
26	Global extraction of the parton-to-kaon fragmentation functions at NLO in QCD. Journal of Physics: Conference Series, 2017, 912, 012043.	0.3	1
27	Global extraction of the parton-to-pion fragmentation functions at NLO accuracy in QCD. Journal of Physics: Conference Series, 2016, 761, 012037.	0.3	1
28	Two-loop QED corrections to the Altarelli-Parisi splitting functions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	30
29	QED corrections to the Altarelli-Parisi splitting functions. European Physical Journal C, 2016, 76, 1.	1.4	53
30	Review of Particle Physics. Chinese Physics C, 2016, 40, 100001.	1.5	4,200
31	Differential Higgs boson pair production at next-to-next-to-leading order in QCD. Journal of High Energy Physics, 2016, 2016, 1.	1.6	76
32	Vector boson production at hadron colliders: transverse-momentum resummation and leptonic decay. Journal of High Energy Physics, 2015, 2015, 1-47.	1.6	38
33	Interference effects in the $H \rightarrow \gamma \gamma$ at the LHC. Physical Review D, 2015, 92, .	1.6	11
34	Diphoton production at hadron colliders: transverse-momentum resummation at next-to-next-to-leading logarithmic accuracy. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23
35	Higgs pair production at next-to-next-to-leading logarithmic accuracy at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
36	Parton-to-pion fragmentation reloaded. Physical Review D, 2015, 91, .	1.6	169

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37	<p>radiance effects in the $\langle \sigma_{\text{had}} \rangle$ calculation. Journal of High Energy Physics, 2014, 2014, 1.</p> <p>Approximate Next-to-Next-to-Leading Order Corrections to Hadronic Jet Production. Physical Review Letters, 2014, 112, .</p>	0.2	0
38	Polarized triple-collinear splitting functions at NLO for processes with photons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
39	Approximate Next-to-Next-to-Leading Order Corrections to Hadronic Jet Production. Physical Review Letters, 2014, 112, .	2.9	51
40	Review of Particle Physics. Chinese Physics C, 2014, 38, 090001.	1.5	5,997
41	Triple collinear splitting functions at NLO for scattering processes with photons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	18
42	Threshold resummation at N3LL accuracy and soft-virtual cross sections at N3LO. Nuclear Physics B, 2014, 888, 75-91.	0.9	84
43	Approximate N3LO Higgs-boson production cross section using physical-kernel constraints. Journal of High Energy Physics, 2014, 2014, 1.	1.6	68
44	Universality of transverse-momentum resummation and hard factors at the NNLO. Nuclear Physics B, 2014, 881, 414-443.	0.9	130
45	Double collinear splitting amplitudes at next-to-leading order. Journal of High Energy Physics, 2014, 2014, 1.	1.6	23
46	Quark and gluon spin-2 form factors to two-loops in QCD. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
47	Next-to-next-to-leading order QCD corrections in models of TeV-scale gravity. Journal of High Energy Physics, 2014, 2014, 1.	1.6	11
48	Evidence for Polarization of Gluons in the Proton. Physical Review Letters, 2014, 113, 012001.	2.9	222
49	Extracting the fragmentation functions with global analyses. Journal of Physics: Conference Series, 2014, 485, 012056.	0.3	1
50	A complete $\mathcal{O}(\alpha_s^2)$ calculation of the signal+background interference for the Higgs diphoton decay channel. European Physical Journal C, 2013, 73, 1.	1.4	20
51	Polarized semi-inclusive electroweak structure functions at next-to-leading-order. European Physical Journal C, 2013, 73, 1.	1.4	11
52	Higgs Boson Pair Production at Next-to-Next-to-Leading Order in QCD. Physical Review Letters, 2013, 111, 201801.	2.9	196
53	Two-loop virtual corrections to Higgs pair production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 306-309.	1.5	105
54	Soft-gluon resummation for high- p_T inclusive-hadron production at COMPASS. Physical Review D, 2013, 88, .	1.5	15

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55	Diphoton Production at Hadron Colliders: A Fully Differential QCD Calculation at Next-to-Next-to-Leading Order. <i>Physical Review Letters</i> , 2012, 108, 072001.	2.9	183
56	Higgs boson production at the LHC: transverse momentum resummation effects in the $H \rightarrow \tau^+ \tau^-$, $H \rightarrow WW \rightarrow \ell^+ \ell^- \nu \bar{\nu}$ and $H \rightarrow ZZ \rightarrow 4\ell$ decay modes. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	79
57	A next-to-next-to-leading order calculation of soft-virtual cross sections. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	40
58	Global analysis of nuclear parton distributions. <i>Physical Review D</i> , 2012, 85, .	1.6	182
59	Vector-boson production at hadron colliders: hard-collinear coefficients at the NNLO. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	113
60	Higgs production at the LHC: Updated cross sections at $\mathcal{O}(\alpha_s^2)$ with $1/\epsilon$ singularities. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 718, 117-120.	1.6	100
61	Space-like (vs. time-like) collinear limits in QCD: is factorization violated?. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	87
62	QCD spin physics: Partonic spin structure of the nucleon. <i>Progress in Particle and Nuclear Physics</i> , 2012, 67, 251-259.	5.6	25
63	Transverse-momentum resummation: Higgs boson production at the Tevatron and the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	152
64	Production of Drell-Yan lepton pairs in hadron collisions: Transverse-momentum resummation at next-to-next-to-leading logarithmic accuracy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 207-213.	1.5	130
65	Hadron plus photon production in polarized hadronic collisions at next-to-leading order accuracy. <i>Physical Review D</i> , 2011, 83, .	1.6	6
66	Single-inclusive jet production in polarized pp collisions at RHIC to next-to-leading logarithmic accuracy. <i>European Physical Journal C</i> , 2010, 67, 367-375.	1.4	0
67	Helicity parton distributions from spin asymmetries in W -boson production at RHIC. <i>Physical Review D</i> , 2010, 81, .	1.6	40
68	Higgs production through gluon fusion: Updated cross sections at the Tevatron and the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 674, 291-294.	1.5	161
69	Extraction of spin-dependent parton densities and their uncertainties. <i>Physical Review D</i> , 2009, 80, .	1.6	299
70	Transverse-momentum resummation: A perturbative study of Z production at the Tevatron. <i>Nuclear Physics B</i> , 2009, 815, 174-197.	0.9	68
71	Vector Boson Production at Hadron Colliders: A Fully Exclusive QCD Calculation at Next-to-Next-to-Leading Order. <i>Physical Review Letters</i> , 2009, 103, 082001.	2.9	530
72	Next-to-leading order QCD corrections to hadron+jet production in pp collisions at RHIC. <i>Physical Review D</i> , 2009, 79, .	1.6	10

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73	Soft-gluon resummation for pseudoscalar Higgs boson production at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 813-820.	1.5	15
74	Global Analysis of Helicity Parton Densities and their Uncertainties. Physical Review Letters, 2008, 101, 072001.	2.9	211
75	Higgs boson production at the LHC: Transverse-momentum resummation and rapidity dependence. Nuclear Physics B, 2008, 791, 1-19.	0.9	63
76	Single-inclusive hadron production in transversely polarized pp and $p\bar{p}$ collisions with threshold resummation. Physical Review D, 2008, 78, .	1.6	5
77	Fragmentation functions for pions, kaons, protons and charged hadrons. Journal of Physics: Conference Series, 2008, 110, 022045.	0.3	1
78	Resummed cross section for jet production at hadron colliders. Physical Review D, 2007, 76, .	1.6	35
79	Global analysis of fragmentation functions for protons and charged hadrons. Physical Review D, 2007, 76, .	1.6	176
80	Single-inclusive hadron production in polarized p scattering at next-to-leading logarithmic accuracy. Physical Review D, 2007, 76, .	1.6	15
81	Global analysis of fragmentation functions for pions and kaons and their uncertainties. Physical Review D, 2007, 75, .	1.6	443
82	NLO QCD corrections to inclusive jet and hadron production in DIS. Brazilian Journal of Physics, 2007, 37, 585-590.	0.7	0
83	Precise QCD Predictions for Higgs Production at the LHC. AIP Conference Proceedings, 2007, , .	0.3	0
84	Transverse-momentum resummation and the spectrum of the Higgs boson at the LHC. Nuclear Physics B, 2006, 737, 73-120.	0.9	335
85	Seven parton amplitudes from recursion relations. Journal of High Energy Physics, 2006, 2006, 073-073.	1.6	11
86	Threshold resummation for high-transverse-momentum Higgs production at the LHC. Journal of High Energy Physics, 2006, 2006, 047-047.	1.6	33
87	The last of the seven-parton tree amplitudes. Journal of High Energy Physics, 2006, 2006, 080-080.	1.6	6
88	QCD corrections to the electroproduction of hadrons with high p_T . AIP Conference Proceedings, 2005, , .	0.3	0
89	Extraction of polarized parton densities from polarized DIS and SIDIS. AIP Conference Proceedings, 2005, , .	0.3	0
90	$O(\pm 2)$ QCD corrections to the electroproduction of hadrons with high transverse momentum. Physical Review D, 2005, 71, .	1.6	38

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91	Threshold resummation for the inclusive-hadron cross section in pp collisions. Physical Review D, 2005, 71, .	1.6	64
92	Sea quark and gluon polarization in the nucleon at NLO accuracy. Physical Review D, 2005, 71, .	1.6	95
93	Threshold resummation for the prompt-photon cross section revisited. Physical Review D, 2005, 72, .	1.6	25
94	The back-to-back region in energy-energy correlation. Nuclear Physics B, 2005, 704, 387-403.	0.9	51
95	RESUMMED CROSS SECTION FOR HIGGS BOSON PRODUCTION. , 2005, , .		0
96	Nuclear parton distributions at next to leading order. Physical Review D, 2004, 69, .	1.6	256
97	Perturbative Generation of a Strange-Quark Asymmetry in the Nucleon. Physical Review Letters, 2004, 93, 152003.	2.9	79
98	Collinear splitting, parton evolution and the strange-quark asymmetry of the nucleon in NNLO QCD. Nuclear Physics, Section B, Proceedings Supplements, 2004, 135, 188-192.	0.5	3
99	Two hadron production in e^+e^- annihilation to next-to-leading order accuracy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 139-149.	1.5	32
100	The triple collinear limit of one-loop QCD amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 323-331.	1.5	54
101	The q_T spectrum of the Higgs boson at the LHC in QCD perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 65-72.	1.5	168
102	Soft-gluon resummation for Higgs boson production at hadron colliders. Journal of High Energy Physics, 2003, 2003, 028-028.	1.6	411
103	Gluon induced contributions to $Z\bar{Z}$ production at hadron colliders. Physical Review D, 2003, 67, .	1.6	12
104	Next-to-leading order QCD corrections to one-hadron production in polarized pp collisions at BNL RHIC. Physical Review D, 2003, 67, .	1.6	57
105	Gluon induced contributions to WZ and $W\bar{Z}$ production at NNLO. Physical Review D, 2002, 65, .	1.6	11
106	Direct Higgs production and jet veto at the Tevatron and the LHC in NNLO QCD. Journal of High Energy Physics, 2002, 2002, 015-015.	1.6	77
107	Universality of non-leading logarithmic contributions in transverse-momentum distributions. Nuclear Physics B, 2001, 596, 299-312.	0.9	198
108	The structure of large logarithmic corrections at small transverse momentum in hadronic collisions. Nuclear Physics B, 2001, 616, 247-285.	0.9	144

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109	Higgs production in hadron collisions: soft and virtual QCD corrections at NNLO. Journal of High Energy Physics, 2001, 2001, 025-025.	1.6	206
110	γ^* and γ production at hadron colliders. European Physical Journal C, 2000, 16, 105-114.	1.4	48
111	Polarized fragmentation functions at RHIC. AIP Conference Proceedings, 2000, , .	0.3	0
112	Inclusive and semi-inclusive polarized DIS data revisited. Physical Review D, 2000, 62, .	1.6	46
113	Next-to-Next-to-Leading-Order Logarithmic Corrections at Small Transverse Momentum in Hadronic Collisions. Physical Review Letters, 2000, 85, 4678-4681.	2.9	139
114	Higgs Production with Large Transverse Momentum in Hadronic Collisions at Next-to-Leading Order. Physical Review Letters, 1999, 82, 5209-5212.	2.9	147
115	Jet cross sections in polarized photon-hadron collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 457, 236-244.	1.5	30
116	Two photons plus jet at LHC: the NNLO contribution from the gg initiated process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 184-188.	1.5	39
117	Jet production with polarized beams at next-to-leading order. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 605-607.	0.5	0
118	Next-to-leading order jet cross sections in polarized hadronic collisions. Nuclear Physics B, 1999, 539, 455-476.	0.9	40
119	Bounds on transverse spin asymmetries for Λ baryon production in pp collisions at BNL RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 176-182.	1.5	24
120	Polarized Λ -Baryon Production in pp Collisions. Physical Review Letters, 1998, 81, 530-533.	2.9	59
121	Next-to-leading order QCD corrections to inclusive-hadron photoproduction in polarized lepton-proton collisions. Physical Review D, 1998, 57, 4376-4384.	1.6	17
122	QCD analysis of unpolarized and polarized Λ -baryon production in leading and next-to-leading order. Physical Review D, 1998, 57, 5811-5824.	1.6	146
123	Next-to-leading order analysis of inclusive and semi-inclusive polarized data. Physical Review D, 1998, 57, 5803-5810.	1.6	43
124	Phenomenology of forward hadrons in deep inelastic scattering: Fracture functions and its Q ² evolution. Physical Review D, 1997, 56, 426-432.	1.6	69
125	Next to leading order QCD corrections to polarized Λ production in DIS. Nuclear Physics B, 1997, 488, 367-386.	0.9	12
126	Spin in semi-inclusive DIS processes. , 1997, , .		0

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127	Photoproduction of jets and the virtual structure of the photon. Zeitschrift für Physik C-Particles and Fields, 1997, 75, 265-270.	1.5	11
128	Factorization in semi-inclusive polarized deep inelastic scattering. Nuclear Physics B, 1996, 470, 195-208.	0.9	41
129	Next to leading order semi-inclusive spin asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 358-366.	1.5	13
130	Scale dependence of polarized deep inelastic scattering asymmetries. Physical Review D, 1996, 53, 73-79.	1.6	2
131	Polarized parton distributions. Physical Review D, 1995, 51, 37-43.	1.6	8
132	$O(\pm s)$ spin-dependent weak structure functions. Physical Review D, 1995, 51, 6052-6058.	1.6	22
133	Excess pions in Drell-Yan and deep inelastic scattering experiments. Zeitschrift für Physik A, 1994, 350, 55-59.	0.9	5
134	Spin-dependent quark and gluon distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 285-290.	1.5	6