

Daniel de Florian

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

20,292
citations

44
h-index

135
g-index

135
ext. papers

22,518
ext. citations

4.7
avg, IF

8.28
L-index

#	Paper	IF	Citations
122	Review of Particle Physics. <i>Chinese Physics C</i> , 2014 , 38, 090001	2.2	5549
121	Review of Particle Physics*. <i>Physical Review D</i> , 2018 , 98,	4.9	4401
120	Review of Particle Physics. <i>Chinese Physics C</i> , 2016 , 40, 100001	2.2	3442
119	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	7.4	442
118	Global analysis of fragmentation functions for pions and kaons and their uncertainties. <i>Physical Review D</i> , 2007 , 75,	4.9	372
117	Soft-gluon resummation for Higgs boson production at hadron colliders. <i>Journal of High Energy Physics</i> , 2003 , 2003, 028-028	5.4	370
116	Transverse-momentum resummation and the spectrum of the Higgs boson at the LHC. <i>Nuclear Physics B</i> , 2006 , 737, 73-120	2.8	275
115	Extraction of spin-dependent parton densities and their uncertainties. <i>Physical Review D</i> , 2009 , 80,	4.9	245
114	Nuclear parton distributions at next to leading order. <i>Physical Review D</i> , 2004 , 69,	4.9	238
113	Higgs production in hadron collisions: soft and virtual QCD corrections at NNLO. <i>Journal of High Energy Physics</i> , 2001 , 2001, 025-025	5.4	191
112	Global analysis of helicity parton densities and their uncertainties. <i>Physical Review Letters</i> , 2008 , 101, 072001	7.4	181
111	Higgs Boson pair production at next-to-next-to-leading order in QCD. <i>Physical Review Letters</i> , 2013 , 111, 201801	7.4	165
110	Universality of non-leading logarithmic contributions in transverse-momentum distributions. <i>Nuclear Physics B</i> , 2001 , 596, 299-312	2.8	157
109	Global analysis of nuclear parton distributions. <i>Physical Review D</i> , 2012 , 85,	4.9	156
108	The qT spectrum of the Higgs boson at the LHC in QCD perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 564, 65-72	4.2	155
107	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	7.4	153
106	Evidence for polarization of gluons in the proton. <i>Physical Review Letters</i> , 2014 , 113, 012001	7.4	150

105	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	4.2	150
104	Higgs Production with Large Transverse Momentum in Hadronic Collisions at Next-to-Leading Order. <i>Physical Review Letters</i> , 1999 , 82, 5209-5212	7.4	143
103	Global analysis of fragmentation functions for protons and charged hadrons. <i>Physical Review D</i> , 2007 , 76,	4.9	135
102	Transverse-momentum resummation: Higgs boson production at the Tevatron and the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	126
101	The structure of large logarithmic corrections at small transverse momentum in hadronic collisions. <i>Nuclear Physics B</i> , 2001 , 616, 247-285	2.8	122
100	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	4.2	119
99	Next-to-next-to-leading-order logarithmic corrections at small transverse momentum in hadronic collisions. <i>Physical Review Letters</i> , 2000 , 85, 4678-81	7.4	117
98	QCD analysis of unpolarized and polarized baryon production in leading and next-to-leading order. <i>Physical Review D</i> , 1998 , 57, 5811-5824	4.9	117
97	Universality of transverse-momentum resummation and hard factors at the NNLO. <i>Nuclear Physics B</i> , 2014 , 881, 414-443	2.8	104
96	Parton-to-pion fragmentation reloaded. <i>Physical Review D</i> , 2015 , 91,	4.9	99
95	Two-loop virtual corrections to Higgs pair production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 306-309	4.2	93
94	Sea quark and gluon polarization in the nucleon at NLO accuracy. <i>Physical Review D</i> , 2005 , 71,	4.9	91
93	Vector-boson production at hadron colliders: hard-collinear coefficients at the NNLO. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	88
92	Direct Higgs production and jet veto at the Tevatron and the LHC in NNLO QCD. <i>Journal of High Energy Physics</i> , 2002 , 2002, 015-015	5.4	75
91	Higgs pair production at next-to-next-to-leading logarithmic accuracy at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
90	Higgs boson production at the LHC: transverse momentum resummation effects in the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ \rightarrow 4\ell$ decay modes. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	74
89	Differential Higgs boson pair production at next-to-next-to-leading order in QCD. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	69
88	Space-like (vs. time-like) collinear limits in QCD: is factorization violated?. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67

87	Perturbative generation of a strange-quark asymmetry in the nucleon. <i>Physical Review Letters</i> , 2004 , 93, 152003	7.4	67
86	Threshold resummation at N3LL accuracy and soft-virtual cross sections at N3LO. <i>Nuclear Physics B</i> , 2014 , 888, 75-91	2.8	64
85	Threshold resummation for the inclusive-hadron cross section in pp collisions. <i>Physical Review D</i> , 2005 , 71,	4.9	62
84	Transverse-momentum resummation: A perturbative study of Z production at the Tevatron. <i>Nuclear Physics B</i> , 2009 , 815, 174-197	2.8	58
83	Approximate N3LO Higgs-boson production cross section using physical-kernel constraints. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	57
82	Higgs boson production at the LHC: Transverse-momentum resummation and rapidity dependence. <i>Nuclear Physics B</i> , 2008 , 791, 1-19	2.8	57
81	Next-to-leading order QCD corrections to one-hadron production in polarized pp collisions at BNL RHIC. <i>Physical Review D</i> , 2003 , 67,	4.9	55
80	Polarized Baryon Production in pp Collisions. <i>Physical Review Letters</i> , 1998 , 81, 530-533	7.4	50
79	Inclusive and semi-inclusive polarized DIS data revisited. <i>Physical Review D</i> , 2000 , 62,	4.9	46
78	Higgs production at the LHC: Updated cross sections at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 117-120	4.2	43
77	Next-to-leading order analysis of inclusive and semi-inclusive polarized data. <i>Physical Review D</i> , 1998 , 57, 5803-5810	4.9	43
76	The back-to-back region in energy-energy correlation. <i>Nuclear Physics B</i> , 2005 , 704, 387-403	2.8	42
75	Parton-to-kaon fragmentation revisited. <i>Physical Review D</i> , 2017 , 95,	4.9	40
74	QED corrections to the Altarelli-Parisi splitting functions. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	40
73	Next-to-leading order jet cross sections in polarized hadronic collisions. <i>Nuclear Physics B</i> , 1999 , 539, 455-476	2.8	39
72	Factorization in semi-inclusive polarized deep inelastic scattering. <i>Nuclear Physics B</i> , 1996 , 470, 195-208	2.8	39
71	Precision studies of observables in $(p p \rightarrow W \rightarrow \nu_l)$ and $(pp \rightarrow \gamma, Z \rightarrow l^+ l^-)$ processes at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	38
70	Two photons plus jet at LHC: the NNLO contribution from the gg initiated process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 460, 184-188	4.2	37

69	The triple collinear limit of one-loop QCD amplitudes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 586, 323-331	4.2	36
68	Approximate Next-to-Next-to-Leading Order Corrections to Hadronic Jet Production. <i>Physical Review Letters</i> , 2014 , 112,	7.4	35
67	$O(\alpha_s^2)$ QCD corrections to the electroproduction of hadrons with high transverse momentum. <i>Physical Review D</i> , 2005 , 71,	4.9	34
66	$(W\gamma)$ and $(Z\gamma)$ production at hadron colliders. <i>European Physical Journal C</i> , 2000 , 16, 105-114	4.2	34
65	Helicity parton distributions from spin asymmetries in W-boson production at RHIC. <i>Physical Review D</i> , 2010 , 81,	4.9	33
64	Resummed cross section for jet production at hadron colliders. <i>Physical Review D</i> , 2007 , 76,	4.9	32
63	Jet cross sections in polarized photon-hadron collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 457, 236-244	4.2	30
62	A next-to-next-to-leading order calculation of soft-virtual cross sections. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	29
61	QCD/QED NNLO corrections to Drell-Yan production. <i>Physical Review D</i> , 2018 , 98,	4.9	28
60	Diphoton production at the LHC: a QCD study up to NNLO. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	27
59	Two hadron production in e^+e^- annihilation to next-to-leading order accuracy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 578, 139-149	4.2	26
58	Vector boson production at hadron colliders: transverse-momentum resummation and leptonic decay. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-47	5.4	25
57	Threshold resummation for high-transverse-momentum Higgs production at the LHC. <i>Journal of High Energy Physics</i> , 2006 , 2006, 047-047	5.4	25
56	Threshold resummation for the prompt-photon cross section revisited. <i>Physical Review D</i> , 2005 , 72,	4.9	25
55	QCD spin physics: Partonic spin structure of the nucleon. <i>Progress in Particle and Nuclear Physics</i> , 2012 , 67, 251-259	10.6	24
54	Two-loop QED corrections to the Altarelli-Parisi splitting functions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	22
53	Bounds on transverse spin asymmetries for Λ -baryon production in pp collisions at BNL RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 439, 176-182	4.2	19
52	$O(\alpha_s)$ spin-dependent weak structure functions. <i>Physical Review D</i> , 1995 , 51, 6052-6058	4.9	18

51	Diphoton production at hadron colliders: transverse-momentum resummation at next-to-next-to-leading logarithmic accuracy. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
50	Phenomenology of forward hadrons in deep inelastic scattering: Fracture functions and its Q2 evolution. <i>Physical Review D</i> , 1997 , 56, 426-432	4-9	17
49	Mixed QCD?QED corrections to exclusive Drell Yan production using the qT -subtraction method. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	17
48	Higgs boson pair production at NNLO in QCD including dimension 6 operators. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	16
47	Next-to-leading order QCD corrections to inclusive-hadron photoproduction in polarized lepton-proton collisions. <i>Physical Review D</i> , 1998 , 57, 4376-4384	4-9	16
46	A complete (α_{S}^2) calculation of the signalBackground interference for the Higgs diphoton decay channel. <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	14
45	Double collinear splitting amplitudes at next-to-leading order. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	14
44	Soft-gluon resummation for high-pT inclusive-hadron production at COMPASS. <i>Physical Review D</i> , 2013 , 88,	4-9	14
43	Single-inclusive hadron production in polarized pp scattering at next-to-leading logarithmic accuracy. <i>Physical Review D</i> , 2007 , 76,	4-9	14
42	Monte Carlo sampling variant of the DSSV14 set of helicity parton densities. <i>Physical Review D</i> , 2019 , 100,	4-9	13
41	Next to leading order QCD corrections to polarized \bar{p} production in DIS. <i>Nuclear Physics B</i> , 1997 , 488, 367-386	2.8	12
40	Soft-gluon resummation for pseudoscalar Higgs boson production at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 813-820	4-2	12
39	Next to leading order semi-inclusive spin asymmetries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 389, 358-366	4-2	12
38	Soft gluon resummation for Higgs boson pair production including finite M_t effects. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
37	DYTurbo: fast predictions for DrellYan processes. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	11
36	Quark and gluon spin-2 form factors to two-loops in QCD. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	11
35	Photoproduction of jets and the virtual structure of the photon. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 75, 265-270		11
34	Seven parton amplitudes from recursion relations. <i>Journal of High Energy Physics</i> , 2006 , 2006, 073-073	5-4	11

33	Soft-gluon effective coupling and cusp anomalous dimension. <i>European Physical Journal C</i> , 2019 , 79, 685	4.2	10
32	Two-loop corrections to the triple Higgs boson production cross section. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
31	Next-to-leading order QCD corrections to hadron+jet production in pp collisions at RHIC. <i>Physical Review D</i> , 2009 , 79,	4.9	10
30	Gluon induced contributions to $Z\bar{\nu}$ production at hadron colliders. <i>Physical Review D</i> , 2003 , 67,	4.9	10
29	Gluon induced contributions to WZ and $W\bar{\nu}$ production at NNLO. <i>Physical Review D</i> , 2002 , 65,	4.9	10
28	Triple Higgs production at hadron colliders at NNLO in QCD. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
27	Next-to-next-to-leading order QCD corrections in models of TeV-scale gravity. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	9
26	Triple collinear splitting functions at NLO for scattering processes with photons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	9
25	Jet Production in Polarized Deep Inelastic Scattering at Next-to-Next-to-Leading Order. <i>Physical Review Letters</i> , 2020 , 125, 082001	7.4	8
24	Interference effects in the $H(-B)2$ jets channel at the LHC. <i>Physical Review D</i> , 2015 , 92,	4.9	7
23	Polarized parton distributions. <i>Physical Review D</i> , 1995 , 51, 37-43	4.9	7
22	Polarized triple-collinear splitting functions at NLO for processes with photons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
21	Spin budget of the proton at NNLO and beyond. <i>Physical Review D</i> , 2019 , 99,	4.9	6
20	Spin-dependent quark and gluon distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 319, 285-290	4.2	6
19	Polarized semi-inclusive electroweak structure functions at next-to-leading-order. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	5
18	The last of the seven-parton tree amplitudes. <i>Journal of High Energy Physics</i> , 2006 , 2006, 080-080	5.4	5
17	Excess pions in Drell-Yan and deep inelastic scattering experiments. <i>Zeitschrift für Physik A</i> , 1994 , 350, 55-59		5
16	Hadron plus photon production in polarized hadronic collisions at next-to-leading order accuracy. <i>Physical Review D</i> , 2011 , 83,	4.9	4

15	Towards semi-inclusive deep inelastic scattering at next-to-next-to-leading order. <i>Physical Review D</i> , 2017 , 95,	4.9	3
14	Transverse-momentum resummation for the signal-background interference in the H-channel at the LHC. <i>Physical Review D</i> , 2017 , 96,	4.9	2
13	Single-inclusive hadron production in transversely polarized pp and p <p> collisions with threshold resummation. <i>Physical Review D</i>, 2008, 78,</p>	4.9	2
12	Collinear splitting, parton evolution and the strange-quark asymmetry of the nucleon in NNLO QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004 , 135, 188-192		2
11	Scale dependence of polarized deep inelastic scattering asymmetries. <i>Physical Review D</i> , 1996 , 53, 73-79	4.9	2
10	Transversely polarized Drell-Yan asymmetry ATT at NLO. <i>Physical Review D</i> , 2017 , 96,	4.9	1
9	Fragmentation functions for pions, kaons, protons and charged hadrons. <i>Journal of Physics: Conference Series</i> , 2008 , 110, 022045	0.3	1
8	Inclusive-jet and dijet production in polarized deep inelastic scattering. <i>Physical Review D</i> , 2021 , 103,	4.9	1
7	Anomalous couplings in Higgs-boson pair production at approximate NNLO QCD. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
6	Interference effects in the H-jets channel at LHC. <i>Nuclear and Particle Physics Proceedings</i> , 2015 , 258-259, 253-256	0.4	
5	Global extraction of the parton-to-kaon fragmentation functions at NLO in QCD. <i>Journal of Physics: Conference Series</i> , 2017 , 912, 012043	0.3	
4	Extracting the fragmentation functions with global analyses. <i>Journal of Physics: Conference Series</i> , 2014 , 485, 012056	0.3	
3	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	4.2	
2	Jet production with polarized beams at next-to-leading order. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 79, 605-607		
1	Global extraction of the parton-to-pion fragmentation functions at NLO accuracy in QCD. <i>Journal of Physics: Conference Series</i> , 2016 , 761, 012037	0.3	