Gregory Soyez

List of Publications by Year
in descending order

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55 papers	10,115 citations	236925 25 h-index	214800 47 g-index
56 all docs	56 docs citations	56 times ranked	7066 citing authors

#	Article	IF	Citations
1	Phenomenology of jet angularities at the LHC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	15
2	Collinear resummations for the non-linear evolution in QCD at high energy. Nuclear Physics A, 2021, 1005, 121832.	1.5	0
3	Nuclear effects on jet substructure observables at the LHC. Nuclear Physics A, 2021, 1005, 121897.	1.5	0
4	Colour and logarithmic accuracy in final-state parton showers. Journal of High Energy Physics, 2021, 2021, 1.	4.7	33
5	Jet radiation in a longitudinally expanding medium. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
6	Jet angularities in Z+jet production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.	4.7	25
7	Nuclear modification factors for jet fragmentation. Journal of High Energy Physics, 2020, 2020, 1.	4.7	16
8	Parton Showers beyond Leading Logarithmic Accuracy. Physical Review Letters, 2020, 125, 052002.	7.8	69
9	HERA data and collinearly-improved BK dynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135305.	4.1	39
10	Towards machine learning analytics for jet substructure. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
11	Calculating the primary Lund Jet Plane density. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
12	Non-linear evolution in QCD at high-energy beyond leading order. Journal of High Energy Physics, 2019, 2019, 1.	4.7	68
13	Adding vacuum branching to jet evolution in a dense medium. Nuclear Physics A, 2019, 982, 623-626.	1.5	0
14	On the use of a running coupling in the calculation of forward hadron production at next-to-leading order. Nuclear Physics A, 2019, 982, 271-274.	1.5	2
15	Looking Inside Jets. Lecture Notes in Physics, 2019, , .	0.7	99
16	Pileup mitigation at the LHC: A theoristâ€™s view. Physics Reports, 2019, 803, 1-158.	25.6	21
17	Fitting the strong coupling constant with soft-drop thrust. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
18	Single-jet inclusive cross section and its definition. Physical Review D, 2019, 100, .	4.7	6

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19	Deciphering the ?g distribution in ultrarelativistic heavy ion collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	39
20	Jet fragmentation in a dense QCD medium. , 2019, , .		1
21	Calculations for the Jet Mass with Grooming. Lecture Notes in Physics, 2019, , 87-112.	0.7	0
22	The Lund jet plane. Journal of High Energy Physics, 2018, 2018, 1.	4.7	84
23	Computing N -subjettiness for boosted jets. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
24	Recursive Soft Drop. Journal of High Energy Physics, 2018, 2018, 1.	4.7	39
25	Top tagging: an analytical perspective. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
26	Use of a running coupling in the NLO calculation of forward hadron production. Physical Review D, 2018, 97, .	4.7	21
27	Vacuumlike Jet Fragmentation in a Dense QCD Medium. Physical Review Letters, 2018, 120, 232001.	7.8	58
28	The jet mass distribution after Soft Drop. European Physical Journal C, 2018, 78, 96.	3.9	49
29	Systematics of quark/gluon tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	86
30	A study of jet mass distributions with grooming. Journal of High Energy Physics, 2017, 2017, 1.	4.7	61
31	Dichroic subjettiness ratios to distinguish colour flows in boosted boson tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
32	Improved jet substructure methods: Y-splitter and variants with grooming. Journal of High Energy Physics, 2016, 2016, 1.	4.7	22
33	Inclusive jet spectrum for small-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	60
34	Collinearly-improved BK evolution meets the HERA data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 643-652.	4.1	111
35	Resumming double logarithms in the QCD evolution of color dipoles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 293-302.	4.1	123
36	SoftKiller, a particle-level pileup removal method. European Physical Journal C, 2015, 75, 59.	3.9	69

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37	Small-radius jets to all orders in QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	96
38	Soft drop. Journal of High Energy Physics, 2014, 2014, 1.	4.7	446
39	Boosted objects and jet substructure at the LHC. Report of BOOST2012, held at IFIC Valencia, 23rdâ€“27th of July 2012. European Physical Journal C, 2014, 74, 1.	3.9	124
40	Testing the Gaussian approximation to the JIMWLK equation. Physical Review D, 2013, 87, .	4.7	11
41	Pileup Subtraction for Jet Shapes. Physical Review Letters, 2013, 110, 162001.	7.8	75
42	FastJet user manual. European Physical Journal C, 2012, 72, 1.	3.9	3,284
43	The anti-k_tjet clustering algorithm. Journal of High Energy Physics, 2008, 2008, 063-063.	4.7	4,179
44	The catchment area of jets. Journal of High Energy Physics, 2008, 2008, 005-005.	4.7	472
45	DIPOLE-PROTON AMPLITUDE IN MOMENTUM SPACE. International Journal of Modern Physics E, 2007, 16, 2818-2821.	1.0	0
46	Global QCD fit fromQ2=0toQ2=30â€‰000â€‰â€‰GeV2with Regge-compatible initial condition. Physical Review D, 2005, 71, .	4.7	3
47	Regge residues from Dokshitzer-Gribov-Lipatov-Altarelli-Parisi evolution. Physical Review D, 2004, 69, .	4.7	5
48	Small-<mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	4.1	1
49	t-channel unitarity and photon cross sections. Nuclear Physics B, 2004, 682, 391-420.	2.5	9
50	Foam imbibition in microgravity. European Physical Journal B, 2003, 33, 115-119.	1.5	20
51	Consequences of t-channel unitarity for and amplitudes. Nuclear Physics, Section B, Proceedings Supplements, 2003, 117, 434-436.	0.4	0
52	DGLAP evolution extends the triple pole Pomeron fit. Physical Review D, 2003, 67, .	4.7	6
53	Consequences of T-Channel Unitarity for the Interaction of Real and Virtual Photons at High Energies. , 2003, , 73-83.		0
54	Consequences of t-channel unitarity for Î³(*)p and Î³(*)Î³(*) amplitudes. , 2003, , 434-436.		0

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55	Does F2 need a hard pomeron?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 516, 77-84.	4.1	23