

Gregory Soyez

List of Publications by Year in descending order

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Version: 2024-02-01

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	The anti- k_t jet clustering algorithm. Journal of High Energy Physics, 2008, 2008, 063-063.	4.7	4,179
2	FastJet user manual. European Physical Journal C, 2012, 72, 1.	3.9	3,284
3	The catchment area of jets. Journal of High Energy Physics, 2008, 2008, 005-005.	4.7	472
4	Soft drop. Journal of High Energy Physics, 2014, 2014, 1.	4.7	446
5	Boosted objects and jet substructure at the LHC. Report of BOOST2012, held at IFIC Valencia, 23rd–27th of July 2012. European Physical Journal C, 2014, 74, 1.	3.9	124
6	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
7	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
8	Looking Inside Jets. Lecture Notes in Physics, 2019, , .	0.7	99
9	Small-radius jets to all orders in QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	96
10	Systematics of quark/gluon tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	86
11	The Lund jet plane. Journal of High Energy Physics, 2018, 2018, 1.	4.7	84
12	Pileup Subtraction for Jet Shapes. Physical Review Letters, 2013, 110, 162001.	7.8	75
13	SoftKiller, a particle-level pileup removal method. European Physical Journal C, 2015, 75, 59.	3.9	69
14	Parton Showers beyond Leading Logarithmic Accuracy. Physical Review Letters, 2020, 125, 052002.	7.8	69
15	Non-linear evolution in QCD at high-energy beyond leading order. Journal of High Energy Physics, 2019, 2019, 1.	4.7	68
16	A study of jet mass distributions with grooming. Journal of High Energy Physics, 2017, 2017, 1.	4.7	61
17	Inclusive jet spectrum for small-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	60
18	Vacuumlike Jet Fragmentation in a Dense QCD Medium. Physical Review Letters, 2018, 120, 232001.	7.8	58

#	ARTICLE	IF	CITATIONS
19	The jet mass distribution after Soft Drop. European Physical Journal C, 2018, 78, 96.	3.9	49
20	Recursive Soft Drop. Journal of High Energy Physics, 2018, 2018, 1.	4.7	39
21	HERA data and collinearly-improved BK dynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135305.	4.1	39
22	Deciphering the γ g distribution in ultrarelativistic heavy ion collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	39
23	Colour and logarithmic accuracy in final-state parton showers. Journal of High Energy Physics, 2021, 2021, 1.	4.7	33
24	Dichroic subjettness ratios to distinguish colour flows in boosted boson tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
25	Jet angularities in Z+jet production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.	4.7	25
26	Fitting the strong coupling constant with soft-drop thrust. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
27	Towards machine learning analytics for jet substructure. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
28	Does F2 need a hard pomeron?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 516, 77-84.	4.1	23
29	Improved jet substructure methods: Y-splitter and variants with grooming. Journal of High Energy Physics, 2016, 2016, 1.	4.7	22
30	Use of a running coupling in the NLO calculation of forward hadron production. Physical Review D, 2018, 97, .	4.7	21
31	Pileup mitigation at the LHC: A theorist's view. Physics Reports, 2019, 803, 1-158.	25.6	21
32	Foam imbibition in microgravity. European Physical Journal B, 2003, 33, 115-119.	1.5	20
33	Computing N-subjettiness for boosted jets. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
34	Calculating the primary Lund Jet Plane density. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
35	Nuclear modification factors for jet fragmentation. Journal of High Energy Physics, 2020, 2020, 1.	4.7	16
36	Phenomenology of jet angularities at the LHC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	15

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37	Testing the Gaussian approximation to the JIMWLK equation. Physical Review D, 2013, 87, .	4.7	11
38	Jet radiation in a longitudinally expanding medium. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
39	t-channel unitarity and photon cross sections. Nuclear Physics B, 2004, 682, 391-420.	2.5	9
40	Top tagging: an analytical perspective. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
41	DGLAP evolution extends the triple pole Pomeron fit. Physical Review D, 2003, 67, .	4.7	6
42	Single-jet inclusive cross section and its definition. Physical Review D, 2019, 100, .	4.7	6
43	Regge residues from Dokshitzer-Gribov-Lipatov-Altarelli-Parisi evolution. Physical Review D, 2004, 69, .	4.7	5
44	Global QCD fit from $Q^2=0$ to $Q^2=30 \text{ GeV}^2$ with Regge-compatible initial condition. Physical Review D, 2005, 71, .	4.7	3
45	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. Small- $\mathbf{mml:math}$ altimg= "si1.gif" overflow= "scroll"	1.5	2
46	$\text{xmlns:xocs}="http://www.elsevier.com/xml/xocs/dtd" \text{xmlns:xs}="http://www.w3.org/2001/XMLSchema" \text{xmlns:xsi}="http://www.w3.org/2001/XMLSchema-instance" \text{xmlns}="http://www.elsevier.com/xml/ja/dtd" \text{xmlns:ja}="http://www.elsevier.com/xml/ja/dtd" \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{xmlns:tb}="http://www.elsevier.com/xml/common/table/dtd" \text{xmlns:sb}="http://www.elsevier.com/xml/common/struct-bib/dtd" \text{xmlns:ce}="http://www.elsevier.com/x$	4.1	1
47	Jet fragmentation in a dense QCD medium. , 2019, , .		1
48	Consequences of t-channel unitarity for and amplitudes. Nuclear Physics, Section B, Proceedings Supplements, 2003, 117, 434-436.	0.4	0
49	DIPOLE-PROTON AMPLITUDE IN MOMENTUM SPACE. International Journal of Modern Physics E, 2007, 16, 2818-2821.	1.0	0
50	Adding vacuum branching to jet evolution in a dense medium. Nuclear Physics A, 2019, 982, 623-626.	1.5	0
51	Collinear resummations for the non-linear evolution in QCD at high energy. Nuclear Physics A, 2021, 1005, 121832.	1.5	0
52	Nuclear effects on jet substructure observables at the LHC. Nuclear Physics A, 2021, 1005, 121897.	1.5	0
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 $\hat{\Gamma}^3(*)p$ and $\hat{\Gamma}^3(*)\hat{\Gamma}^3(*)$ amplitudes. , 2003, , 434-436.		0

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55	Calculations for the Jet Mass with Grooming. Lecture Notes in Physics, 2019, , 87-112.	0.7	0