

Stefano Frixione

List of Publications by Year in descending order

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61
papers

14,855
citations

71102

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118850

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docs citations

63
times ranked

8223
citing authors

#	ARTICLE	IF	CITATIONS
1	The automated computation of tree-level and next-to-leading order differential cross sections, and their matching to parton shower simulations. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	4,318
2	Matching NLO QCD computations with parton shower simulations: the POWHEG method. <i>Journal of High Energy Physics</i> , 2007, 2007, 070-070.	4.7	1,693
3	Matching NLO QCD computations and parton shower simulations. <i>Journal of High Energy Physics</i> , 2002, 2002, 029-029.	4.7	1,278
4	Three-jet cross sections to next-to-leading order. <i>Nuclear Physics B</i> , 1996, 467, 399-442.	2.5	599
5	A positive-weight next-to-leading-order Monte Carlo for heavy flavour hadroproduction. <i>Journal of High Energy Physics</i> , 2007, 2007, 126-126.	4.7	567
6	Matching NLO QCD and parton showers in heavy flavour production. <i>Journal of High Energy Physics</i> , 2003, 2003, 007-007.	4.7	498
7	Merging meets matching in MC@NLO. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	443
8	Theoretical predictions for charm and bottom production at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	369
9	Single-top hadroproduction in association with a W boson. <i>Journal of High Energy Physics</i> , 2008, 2008, 029-029.	4.7	363
10	Automation of one-loop QCD computations. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	310
11	A standard format for Les Houches Event Files. <i>Computer Physics Communications</i> , 2007, 176, 300-304.	7.5	295
12	The p_T spectrum in heavy-flavour photoproduction. <i>Journal of High Energy Physics</i> , 2001, 2001, 006-006.	4.7	270
13	Isolated photons in perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 429, 369-374.	4.1	265
14	A general approach to jet cross sections in QCD. <i>Nuclear Physics B</i> , 1997, 507, 295-314.	2.5	247
15	Automation of next-to-leading order computations in QCD: the FKS subtraction. <i>Journal of High Energy Physics</i> , 2009, 2009, 003-003.	4.7	222
16	Single-top production in MC@NLO. <i>Journal of High Energy Physics</i> , 2006, 2006, 092-092.	4.7	197
17	Updated predictions for the total production cross sections of top and of heavier quark pairs at the Tevatron and at the LHC. <i>Journal of High Energy Physics</i> , 2008, 2008, 127-127.	4.7	193
18	Improving the Weizsäcker-Williams approximation in electron-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 319, 339-345.	4.1	171

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19	Jet photoproduction at HERA. Nuclear Physics B, 1997, 507, 315-333.	2.5	167
20	Higgs pair production at the LHC with NLO and parton-shower effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 142-149.	4.1	161
21	Electroweak and QCD corrections to top-pair hadroproduction in association with heavy bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	159
22	A framework for Higgs characterisation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	154
23	The automation of next-to-leading order electroweak calculations. Journal of High Energy Physics, 2018, 2018, 1.	4.7	149
24	QCD analysis of first-order cross section data at 1.96 TeV. Journal of High Energy Physics, 2004, 2004, 033-033.	4.7	123
25	Angular correlations of lepton pairs from vector boson and top quark decays in Monte Carlo simulations. Journal of High Energy Physics, 2007, 2007, 081-081.	4.7	121
26	Scalar and pseudoscalar Higgs production in association with a top-antitop pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 427-433.	4.1	113
27	Four-lepton production at hadron colliders: aMC@NLO predictions with theoretical uncertainties. Journal of High Energy Physics, 2012, 2012, 1.	4.7	105
28	A next-to-leading order calculation of the cross section for the production of $W+W\bar{W}$ pairs in hadronic collisions. Nuclear Physics B, 1993, 410, 280-324.	2.5	96
29	Heavy-quark correlations in photon-hadron collisions. Nuclear Physics B, 1994, 412, 225-259.	2.5	90
30	Weak corrections to Higgs hadroproduction in association with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	76
31	Higgs production in association with bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	73
32	Subtraction at NNLO. Journal of High Energy Physics, 2005, 2005, 010-010.	4.7	70
33	Strong corrections to WZ production at hadron colliders. Nuclear Physics B, 1992, 383, 3-44.	2.5	68
34	NLO QCD corrections in Herwig++ with MC@NLO. Journal of High Energy Physics, 2011, 2011, 1.	4.7	68
35	Update of the Binoth Les Houches Accord for a standard interface between Monte Carlo tools and one-loop programs. Computer Physics Communications, 2014, 185, 560-571.	7.5	65
36	Isolating $t\bar{t}W$ production at the LHC. Journal of High Energy Physics, 2009, 2009, 074-074.	4.7	55

#	ARTICLE	IF	CITATIONS
37	aMCfast: automation of fast NLO computations for PDF fits. Journal of High Energy Physics, 2014, 2014, 1.	4.7	53
38	W and $Z/\hat{\nu}^3$ $\hat{\nu}$ – boson production in association with a bottom-antibottom pair. Journal of High Energy Physics, 2011, 2011, 1.	4.7	52
39	Matching NLO QCD computations with PYTHIA using MC@NLO. Journal of High Energy Physics, 2010, 2010, 1.	4.7	51
40	Off-shell single-top production at NLO matched to parton showers. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
41	NLO QCD corrections to five-jet production at LEP and the extraction of $\hat{\nu}^{\pm}$ s (M Z). Journal of High Energy Physics, 2010, 2010, 1.	4.7	41
42	Charged Higgs boson production in association with a top quark in MC@NLO. European Physical Journal C, 2010, 67, 617-636.	3.9	37
43	The complete NLO corrections to dijet hadroproduction. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
44	Determination of the top quark mass from leptonic observables. Journal of High Energy Physics, 2014, 2014, 1.	4.7	33
45	Heavy-quark jets in hadronic collisions. Nuclear Physics B, 1997, 483, 321-338.	2.5	32
46	aMC@NLO predictions for Wjj production at the Tevatron. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27
47	Heavy-quark mass effects in Higgs plus jets production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
48	The partonic structure of the electron at the next-to-leading logarithmic accuracy in QED. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
49	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. Computing and Software for Big Science, 2021, 5, 1.	2.9	23
50	Single-top t-channel production with off-shell and non-resonant effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 223-227.	4.1	22
51	Initial conditions for electron and photon structure and fragmentation functions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
52	Automated simulations beyond the Standard Model: supersymmetry. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
53	On the reduction of negative weights in MC@NLO-type matching procedures. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
54	The role of colour flows in matrix element computations and Monte Carlo simulations. Journal of High Energy Physics, 2021, 2021, 45.	4.7	14

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55	Colourful FKS subtraction. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	13
56	Higgs production through vector-boson fusion at the NLO matched with parton showers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 273-282.	4.1	12
57	A study of multi-jet production in association with an electroweak vector boson. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	11
58	Heavy flavors in perturbative QCD. <i>European Physical Journal C</i> , 2005, 43, 103-111.	3.9	7
59	On factorisation schemes for the electron parton distribution functions in QED. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	7
60	Charm and bottom photoproduction at HERA with MC@NLO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 703, 452-461.	4.1	6
61	Model-independent approach for incorporating interference effects in collider searches for new resonances. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	0