

Stefano Frixione

List of Publications by Year in descending order

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61
papers

14,855
citations

71102

41
h-index

118850

62
g-index

63
all docs

63
docs citations

63
times ranked

8223
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. Computing and Software for Big Science, 2021, 5, 1.	2.9	23
2	On factorisation schemes for the electron parton distribution functions in QED. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
3	The role of colour flows in matrix element computations and Monte Carlo simulations. Journal of High Energy Physics, 2021, 2021, 45.	4.7	14
4	On the reduction of negative weights in MC@NLO-type matching procedures. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
5	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
6	Model-independent approach for incorporating interference effects in collider searches for new resonances. European Physical Journal C, 2020, 80, 1.	3.9	0
7	Initial conditions for electron and photon structure and fragmentation functions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
8	Automated simulations beyond the Standard Model: supersymmetry. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
9	The automation of next-to-leading order electroweak calculations. Journal of High Energy Physics, 2018, 2018, 1.	4.7	149
10	The complete NLO corrections to dijet hadroproduction. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
11	Off-shell single-top production at NLO matched to parton showers. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
12	Heavy-quark mass effects in Higgs plus jets production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
13	A study of multi-jet production in association with an electroweak vector boson. Journal of High Energy Physics, 2016, 2016, 1.	4.7	11
14	Electroweak and QCD corrections to top-pair hadroproduction in association with heavy bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	159
15	Higgs production in association with bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	73
16	Determination of the top quark mass from leptonic observables. Journal of High Energy Physics, 2014, 2014, 1.	4.7	33
17	Weak corrections to Higgs hadroproduction in association with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	76
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	aMCfast: automation of fast NLO computations for PDF fits. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	53
21	Higgs pair production at the LHC with NLO and parton-shower effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 732, 142-149.	4.1	161
22	A framework for Higgs characterisation. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	154
23	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
24	Single-top t-channel production with off-shell and non-resonant effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 223-227.	4.1	22
25	Theoretical predictions for charm and bottom production at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	369
26	Merging meets matching in MC@NLO. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	443
27	aMC@NLO predictions for Wjj production at the Tevatron. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	27
28	Four-lepton production at hadron colliders: aMC@NLO predictions with theoretical uncertainties. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	105
29	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
30	NLO QCD corrections in Herwig++ with MC@NLO. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	68
31	Automation of one-loop QCD computations. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	310
32	W and Z/\tilde{l}^3 \hat{a}^- boson production in association with a bottom-antibottom pair. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	52
33	Colourful FKS subtraction. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	13
34	Scalar and pseudoscalar Higgs production in association with a top-antitop pair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 701, 427-433.	4.1	113
35	Charged Higgs boson production in association with a top quark in MC@NLO. <i>European Physical Journal C</i> , 2010, 67, 617-636.	3.9	37
36	Matching NLO QCD computations with PYTHIA using MC@NLO. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	51

#	ARTICLE	IF	CITATIONS
37	NLO QCD corrections to five-jet production at LEP and the extraction of $\hat{\sigma}_s(M, Z)$. Journal of High Energy Physics, 2010, 2010, 1.	4.7	41
38	Automation of next-to-leading order computations in QCD: the FKS subtraction. Journal of High Energy Physics, 2009, 2009, 003-003.	4.7	222
39	Isolating Wt production at the LHC. Journal of High Energy Physics, 2009, 2009, 074-074.	4.7	55
40	Updated predictions for the total production cross sections of top and of heavier quark pairs at the Tevatron and at the LHC. Journal of High Energy Physics, 2008, 2008, 127-127.	4.7	193
41	Single-top hadroproduction in association with a W boson. Journal of High Energy Physics, 2008, 2008, 029-029.	4.7	363
42	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
43	A positive-weight next-to-leading-order Monte Carlo for heavy flavour hadroproduction. Journal of High Energy Physics, 2007, 2007, 126-126.	4.7	567
44	Matching NLO QCD computations with parton shower simulations: the POWHEG method. Journal of High Energy Physics, 2007, 2007, 070-070.	4.7	1,693
45	A standard format for Les Houches Event Files. Computer Physics Communications, 2007, 176, 300-304.	7.5	295
46	Single-top production in MC@NLO. Journal of High Energy Physics, 2006, 2006, 092-092.	4.7	197
47	Heavy flavors in perturbative QCD. European Physical Journal C, 2005, 43, 103-111.	3.9	7
48	Subtraction at NNLO. Journal of High Energy Physics, 2005, 2005, 010-010.	4.7	70
49	QCD analysis of first b cross section data at 1.96 TeV. Journal of High Energy Physics, 2004, 2004, 033-033.	4.7	123
50	Matching NLO QCD and parton showers in heavy flavour production. Journal of High Energy Physics, 2003, 2003, 007-007.	4.7	498
51	Matching NLO QCD computations and parton shower simulations. Journal of High Energy Physics, 2002, 2002, 029-029.	4.7	1,278
52	The p_T spectrum in heavy-flavour photoproduction. Journal of High Energy Physics, 2001, 2001, 006-006.	4.7	270
53	Isolated photons in perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 369-374.	4.1	265
54	Heavy-quark jets in hadronic collisions. Nuclear Physics B, 1997, 483, 321-338.	2.5	32

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55	A general approach to jet cross sections in QCD. Nuclear Physics B, 1997, 507, 295-314.	2.5	247
56	Jet photoproduction at HERA. Nuclear Physics B, 1997, 507, 315-333.	2.5	167
57	Three-jet cross sections to next-to-leading order. Nuclear Physics B, 1996, 467, 399-442.	2.5	599
58	Heavy-quark correlations in photon-hadron collisions. Nuclear Physics B, 1994, 412, 225-259.	2.5	90
59	Improving the Weizsäcker-Williams approximation in electron-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 339-345.	4.1	171
60	A next-to-leading order calculation of the cross section for the production of $W+W\bar{a}'$ pairs in hadronic collisions. Nuclear Physics B, 1993, 410, 280-324.	2.5	96
61	Strong corrections to WZ production at hadron colliders. Nuclear Physics B, 1992, 383, 3-44.	2.5	68