

# Simone Alioli

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

3,608  
citations

331259

21  
h-index

414034

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5873  
citing authors

#	ARTICLE	IF	CITATIONS
1	A general framework for implementing NLO calculations in shower Monte Carlo programs: the POWHEG BOX. Journal of High Energy Physics, 2010, 2010, 1.	1.6	1,608
2	NLO single-top production matched with shower in POWHEG: $s$ - and $t$ -channel contributions. Journal of High Energy Physics, 2009, 2009, 111-111.	1.6	321
3	NLO vector-boson production matched with shower in POWHEG. Journal of High Energy Physics, 2008, 2008, 060-060.	1.6	273
4	NLO Higgs boson production via gluon fusion matched with shower in POWHEG. Journal of High Energy Physics, 2009, 2009, 002-002.	1.6	236
5	Jet pair production in POWHEG. Journal of High Energy Physics, 2011, 2011, 1.	1.6	165
6	Hadronic top-quark pair-production with one jet and parton showering. Journal of High Energy Physics, 2012, 2012, 1.	1.6	101
7	Vector boson plus one jet production in POWHEG. Journal of High Energy Physics, 2011, 2011, 1.	1.6	89
8	Combining higher-order resummation with multiple NLO calculations and parton showers in GENEVA. Journal of High Energy Physics, 2013, 2013, 1.	1.6	85
9	Drell-Yan production at NNLO matched to parton showers. Physical Review D, 2015, 92, .	1.6	71
10	Matching fully differential NNLO calculations and parton showers. Journal of High Energy Physics, 2014, 2014, 1.	1.6	71
11	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.	3.0	65
12	A new observable to measure the top-quark mass at hadron colliders. European Physical Journal C, 2013, 73, 1.	1.4	54
13	Catching a New Force by the Tail. Physical Review Letters, 2018, 120, 101801.	2.9	45
14	Novel angular dependence in Drell-Yan lepton production via dimension-8 operators. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135703.	1.5	40
15	NLO QCD corrections to SM-EFT dilepton and electroweak Higgs boson production, matched to parton shower in POWHEG. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
16	Higgsstrahlung at NNLO matched to parton showers in GENEVA. Physical Review D, 2019, 100, .	1.6	35
17	Precision probes of QCD at high energies. Journal of High Energy Physics, 2017, 2017, 1.	1.6	32
18	$Z$ production in gluon fusion at NLO matched to parton shower. Physical Review D, 2017, 95, .	1.6	27

#	ARTICLE	IF	CITATIONS
19	Matching NNLO predictions to parton showers using $N^3\text{LL}^{\text{color-singlet transverse momentum resummation in geneva}}$ . Physical Review D, 2021, 104, .	1.6	23
20	Practical improvements and merging of Powheg simulations for vector boson production. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
21	Precise predictions for photon pair production matched to parton showers in GENEVA. Journal of High Energy Physics, 2021, 2021, 1.	1.6	21
22	Jet veto clustering logarithms beyond leading order. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
23	Resummed predictions for hadronic Higgs boson decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	17
24	Next-to-next-to-leading order event generation for Z-boson pair production matched to parton shower. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136380.	1.5	16
25	Underlying-event sensitive observables in Drell-Yan production using GENEVA. European Physical Journal C, 2016, 76, 1.	1.4	15
26	Four-lepton production in gluon fusion at NLO matched to parton showers. European Physical Journal C, 2021, 81, 1.	1.4	12
27	Probing higher-order corrections in dijet production at the LHC. Physical Review D, 2012, 85, .	1.6	9
28	Zero-jettiness resummation for top-quark pair production at the LHC. Journal of High Energy Physics, 2022, 2022, 1.	1.6	9
29	MCNNTUNES: Tuning Shower Monte Carlo generators with machine learning. Computer Physics Communications, 2021, 263, 107908.	3.0	4
30	Phenomenology of $t\bar{t} + X$ production at the LHC. Journal of High Energy Physics, 2022, 2022, .	1.6	4
31	A new observable to measure the top quark mass at hadron colliders. Pramana - Journal of Physics, 2012, 79, 809-812.	0.9	1
32	A general framework for implementing NLO calculations in shower Monte Carlo programs: the POWHEG BOX. , 2010, 2010, 1.		1
33	Top-quark mass measurements at LHC: a new approach. Journal of Physics: Conference Series, 2013, 452, 012050.	0.3	0
34	Top-quark mass measurements using jet rates at LHC. EPJ Web of Conferences, 2013, 60, 16005.	0.1	0