

Jadach Stanisław

List of Publications by Year in descending order

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69
papers

4,125
citations

218677

26
h-index

114465

63
g-index

69
all docs

69
docs citations

69
times ranked

4916
citing authors

#	ARTICLE	IF	CITATIONS
1	The precision Monte Carlo event generator for two-fermion final states in collisions. Computer Physics Communications, 2000, 130, 260-325.	7.5	769
2	The \tilde{l} , decay library TAUOLA, version 2.4. Computer Physics Communications, 1993, 76, 361-380.	7.5	562
3	Coherent exclusive exponentiation for precision Monte Carlo calculations. Physical Review D, 2001, 63, .	4.7	551
4	The Monte Carlo program KORALZ version 4.0 for lepton or quark pair production at LEP/SLC energies. Computer Physics Communications, 1994, 79, 503-522.	7.5	340
5	BHWIDE 1.00: $O(\hat{l}_{\pm})$ YFS exponentiated Monte Carlo for Bhabha scattering at wide angles for LEP1/SLC and LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 298-308.	4.1	281
6	Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data. European Physical Journal C, 2010, 66, 585-686.	3.9	270
7	Initial state QED corrections to W -pair production at LEP2/NLC $\hat{\epsilon}$ Monte Carlo versus semi-analytical approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 289-298.	4.1	121
8	Upgrade of the Monte Carlo program BHLUMI for Bhabha scattering at low angles to version 4.04. Computer Physics Communications, 1997, 102, 229-251.	7.5	102
9	Monte Carlo program KoralW 1.42 for all four-fermion final states in $e+e^{-}$ collisions. Computer Physics Communications, 1999, 119, 272-311.	7.5	80
10	The Monte Carlo program KoralW version 1.51 and the concurrent Monte Carlo KoralW&YFSWW3 with all background graphs and first-order corrections to W -pair production. Computer Physics Communications, 2001, 140, 475-512.	7.5	77
11	The Monte Carlo event generator YFSWW3 version 1.16 for W -pair production and decay at LEP2/LC energies. Computer Physics Communications, 2001, 140, 432-474.	7.5	70
12	Exact gauge invariant YFS exponentiated Monte Carlo for (un)stable $W+W^{-}$ production at and beyond LEP2 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 326-336.	4.1	64
13	Coherent exclusive exponentiation CEEX: the case of the resonant $e+e^{-}$ collision. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 97-108.	4.1	64
14	Multiphoton radiation in leptonic W -boson decays. European Physical Journal C, 2003, 29, 325-339.	3.9	60
15	Foam: A general-purpose cellular Monte Carlo event generator. Computer Physics Communications, 2003, 152, 55-100.	7.5	54
16	Precision studies of observables in $pp \rightarrow W \rightarrow l \bar{l} + p \rightarrow W \rightarrow l \bar{l} + l$ and $pp \rightarrow \gamma, Z \rightarrow l^{+} l^{-} + p \rightarrow \gamma, Z \rightarrow l^{+} l^{-} + l$ - processes at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	48
17	Gauge-invariant YFS exponentiation of (un)stable Z -pair production at and beyond CERN LEP 2 energies. Physical Review D, 1997, 56, 6939-6941.	4.7	41
18	Is there a better way of exponentiating QED corrections?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 173-178.	4.1	37

#	ARTICLE	IF	CITATIONS
19	Soft-pair corrections to low-angle Bhabha scattering: YFS Monte Carlo approach. <i>Physical Review D</i> , 1997, 55, 1206-1215.	4.7	31
20	The Monte Carlo program KORALZ, for the lepton or quark pair production at LEP/SLC energies From version 4.0 to version 4.04. <i>Computer Physics Communications</i> , 2000, 124, 233-237.	7.5	31
21	QCD and QED corrections to the longitudinal polarization asymmetry. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988, 38, 609-617.	1.5	30
22	Precision predictions for (un)stable $W+W\bar{\nu}$ pair production at and beyond CERN LEP2 energies. <i>Physical Review D</i> , 2002, 65, .	4.7	30
23	Light pair corrections to the Z lineshape parameters. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 280, 129-136.	4.1	29
24	New results on the theoretical precision of the LEP/SLC luminosity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 450, 262-266.	4.1	28
25	Nonlinear equation for coherent gluon emission. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	27
26	Matching NLO QCD with parton shower in Monte Carlo scheme $\hat{\alpha}_s$ the KrkNLO method. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	27
27	Exact results on $O(\alpha_s^2)$ corrections to the single hard bremsstrahlung process in low angle Bhabha scattering in the SLC/LEP energy regime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 377, 168-176.	4.1	22
28	KK MC 4.22: Coherent exclusive exponentiation of electroweak corrections for $e^+e^- \rightarrow e^+e^-q\bar{q}$ at the LHC and muon colliders. <i>Physical Review D</i> , 2013, 88, .	4.7	22
29	Two real parton contributions to non-singlet kernels for exclusive QCD DGLAP evolution. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	17
30	Lineshape of the Higgs boson in future lepton colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 58-63.	4.1	17
31	On theoretical uncertainties of the W boson mass measurement at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 523, 117-126.	4.1	16
32	Inclusion of the QCD next-to-leading order corrections in the quark-gluon Monte Carlo shower. <i>Physical Review D</i> , 2013, 87, .	4.7	13
33	The Monte Carlo Program KKMC, for the Lepton or Quark Pair Production at LEP/SLC Energies Updates of electroweak calculations. <i>Computer Physics Communications</i> , 2021, 260, 107734.	7.5	13
34	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 2067.	0.8	12
35	On the precision of calculations of initial state radiation in the LEP Z line-shape fits. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 456, 77-79.	4.1	11
36	Initial-final-state interference in the Z line-shape. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 465, 254-259.	4.1	11

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37	Drell–Yan Processes with WINHAC. Acta Physica Polonica B, 2013, 44, 2171.	0.8	11
38	The path to 0.01% theoretical luminosity precision for the FCC-ee. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 314-321.	4.1	11
39	Solving constrained Markovian evolution in QCD with the help of the non-Markovian Monte Carlo. Computer Physics Communications, 2006, 175, 511-527.	7.5	10
40	QED challenges at FCC-ee precision measurements. European Physical Journal C, 2019, 79, 1.	3.9	10
41	On regularizing the infrared singularities in QCD NLO splitting functions with the new Principal Value prescription. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 218-222.	4.1	9
42	On the dependence of QCD splitting functions on the choice of the evolution variable. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
43	KK MC-hh: Resummed exact α_s^2 generator. Physical Review D, 2016, 94, 114004.		
44	Soft pair real and virtual infrared functions in QED. Physical Review D, 1994, 49, 1178-1182.	4.7	7
45	NLO Corrections in the Initial-state Parton Shower Monte Carlo. Acta Physica Polonica B, 2013, 44, 2179.	0.8	7
46	Parton distribution functions in Monte Carlo factorisation scheme. European Physical Journal C, 2016, 76, 1.	3.9	7
47	MCdevelop – a universal framework for Stochastic Simulations. Computer Physics Communications, 2011, 182, 748-762.	7.5	6
48	Title is missing!. Acta Physica Polonica B, 2011, 42, 2433.	0.8	6
49	The Femto-experiment for the LHC: The W-boson beams and their targets*. European Physical Journal C, 2005, 44, 333-350.	3.9	5
50	Monte Carlo modelling of NLO DGLAP QCD evolution in the fully unintegrated form. Nuclear Physics, Section B, Proceedings Supplements, 2010, 205-206, 295-300.	0.4	5
51	α_s^2 generator. Physical Review D, 2016, 94, 114004.	4.7	5
52	Theory requirements for SM Higgs and EW precision physics at the FCC-ee. European Physical Journal Plus, 2021, 136, 1.	2.6	5
53	Markovian Monte Carlo program EvolfMC v.2 for solving QCD evolution equations. Computer Physics Communications, 2010, 181, 393-412.	7.5	4
54	QED exponentiation for quasi-stable charged particles: the $e^+e^- \rightarrow W^+W^-$ process. European Physical Journal C, 2020, 80, 1.	3.9	4

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Acta Physica Polonica B, 2011, 42, 1475.	0.8	3
56	Monte Carlo simulations of Higgs-boson production at the LHC with the KrkNLO method. European Physical Journal C, 2017, 77, 1.	3.9	3
57	NLO Corrections to Hard Process in Parton Shower MC — {sf KrkNLO} Method. Acta Physica Polonica B, 2015, 46, 2089.	0.8	3
58	Constrained MC for QCD evolution with rapidity ordering and minimum kT. Computer Physics Communications, 2009, 180, 675-698.	7.5	2
59	A new Monte Carlo study of evolution equation with coherence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 151-156.	4.1	2
60	Virtual Corrections to the NLO Splitting Functions for Monte Carlo: the Non-singlet Case. Acta Physica Polonica B, 2013, 44, 2197.	0.8	1
61	Calculation of QCD NLO Splitting Functions in the Light-cone Gauge: a New Regularization Prescription. Acta Physica Polonica B, 2014, 45, 1361.	0.8	1
62	KrkNLO in Herwig 7. Acta Physica Polonica B, 2017, 48, 1121.	0.8	1
63	Study of theoretical luminosity precision for electron colliders at higher energies. European Physical Journal C, 2021, 81, 1.	3.9	1
64	Title is missing!. Acta Physica Polonica B, 2011, 42, 1597.	0.8	0
65	Monte Carlo Study of NLO Correction to QCD Evolution Kernel Induced by the Change of the Factorization Scale. Acta Physica Polonica B, 2014, 45, 1351.	0.8	0
66	CEEX EW Corrections for $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.5	0
67	Evolution Kernels for Parton Shower Monte Carlo. Acta Physica Polonica B, 2015, 46, 1343.	0.8	0
68	Interference Effects in a Very Precise Measurement of the Muon Charge Asymmetry at FCC-ee. Acta Physica Polonica B, 2017, 48, 2283.	0.8	0
69	How QCD Evolution Kernels Depend on the Type of Evolution Variable. Acta Physica Polonica B, 2017, 48, 2275.	0.8	0