

Ansgar Denner

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,566
citations

201674

27
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

5385
citing authors

#	ARTICLE	IF	CITATIONS
1	Collier: A fortran-based complex one-loop library in extended regularizations. Computer Physics Communications, 2017, 212, 220-238.	7.5	345
2	Application of the background-field method to the electroweak standard model. Nuclear Physics B, 1995, 440, 95-128.	2.5	197
3	Radiative corrections to the semileptonic and hadronic Higgs-boson decays $H \rightarrow WW/ZZ + 4$ fermions. Journal of High Energy Physics, 2007, 2007, 080-080.	4.7	146
4	RECOLA: Recursive Computation of One-Loop Amplitudes. Computer Physics Communications, 2017, 214, 140-173.	7.5	135
5	Electroweak corrections to Higgs-strahlung off W/Z bosons at the Tevatron and the LHC with Hawk. Journal of High Energy Physics, 2012, 2012, 1.	4.7	122
6	Stable calculations for unstable particles: restoring gauge invariance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 339-346.	4.1	115
7	Electroweak radiative corrections for collider physics. Physics Reports, 2020, 864, 1-163.	25.6	100
8	Gauge Theories of the Strong and Electroweak Interaction. , 2001, , .		91
9	Electroweak corrections to dilepton+jet production at hadron colliders. Journal of High Energy Physics, 2011, 2011, 1.	4.7	86
10	HAWK 2.0: A Monte Carlo program for Higgs production in vector-boson fusion and Higgs strahlung at hadron colliders. Computer Physics Communications, 2015, 195, 161-171.	7.5	84
11	The fermion-loop scheme for finite-width effects in $e+e^-$ annihilation into four fermions. Nuclear Physics B, 1997, 500, 255-298.	2.5	80
12	Electroweak corrections to $W + \text{jet}$ hadroproduction including leptonic W-boson decays. Journal of High Energy Physics, 2009, 2009, 075-075.	4.7	80
13	RECOLA2: Recursive Computation of One-Loop Amplitudes 2. Computer Physics Communications, 2018, 224, 346-361.	7.5	55
14	NLO electroweak corrections to off-shell top-antitop production with leptonic decays at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	53
15	Gauge-independent $\overline{\text{MS}}$ renormalization in the 2HDM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
16	Large Electroweak Corrections to Vector-Boson Scattering at the Large Hadron Collider. Physical Review Letters, 2017, 118, 261801.	7.8	49
17	NLO QCD corrections to off-shell top-antitop production with leptonic decays in association with a Higgs boson at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
18	Complete NLO corrections to $W+W+$ scattering and its irreducible background at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48

#	ARTICLE	IF	CITATIONS
19	The complex-mass scheme and unitarity in perturbative quantum field theory. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	43
20	Precise predictions for same-sign W -boson scattering at the LHC. <i>European Physical Journal C</i> , 2018, 78, 671.	3.9	42
21	Electroweak corrections to monojet production at the Tevatron and the LHC. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	40
22	Renormalization of mixing angles. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	40
23	Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	36
24	Automation of NLO QCD and EW corrections with Sherpa and Recola. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	35
25	Next-to-leading-order electroweak corrections to the production of four charged leptons at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	33
26	NLO QCD and electroweak corrections to $Z + \hat{1}^3$ production with leptonic Z -boson decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	31
27	NLO QCD and electroweak corrections to $W + \hat{1}^3$ production with leptonic W -boson decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	30
28	QCD and electroweak corrections to WZ scattering at the LHC. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	29
29	Off-shell production of top-antitop pairs in the lepton+jets channel at NLO QCD. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	26
30	NLO electroweak corrections in extended Higgs sectors with RECOLA2. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	25
31	Anomalous triple-gauge-boson interactions in vector-boson pair production with Recola2. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	24
32	Electroweak corrections to hadronic event shapes and jet production in annihilation. <i>Nuclear Physics B</i> , 2010, 836, 37-90.	2.5	21
33	Polarized electroweak bosons in $W+W\tilde{a}$ production at the LHC including NLO QCD effects. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	20
34	An event generator for same-sign W -boson scattering at the LHC including electroweak corrections. <i>European Physical Journal C</i> , 2019, 79, 788.	3.9	19
35	Prophecy4f \hat{A} 3.0: A Monte Carlo program for Higgs-boson decays into four-fermion final states in and beyond the Standard Model. <i>Computer Physics Communications</i> , 2020, 254, 107336.	7.5	19
36	NLO QCD corrections to off-shell $\overline{\text{t}}\text{t}\text{W}^{\pm}$ production at the LHC. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	18

#	ARTICLE	IF	CITATIONS
37	Logarithmic electroweak corrections to $e^+e^- \rightarrow \gamma^* \gamma^* \gamma^* \bar{\nu}_e W^+ W^-$. Journal of High Energy Physics, 2007, 2007, 078-078.	4.7	17
38	Next-to-leading-order electroweak corrections to the production of three charged leptons plus missing energy at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
39	NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
40	Combined NLO EW and QCD corrections to off-shell $\overline{\text{ext}} \{t\} \text{ext } \{W\}$ production at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	17
41	NLO QCD predictions for doubly-polarized WZ production at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136107.	4.1	16
42	Low-virtuality photon transitions $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \hat{t}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \hat{Z} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{stretchy="false"} \rangle \hat{t} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{stretchy="false"} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ and the photon-to-jet conversion function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, Fixed-order and merged parton-shower predictions for WW and WWj production at the LHC including NLO QCD and EW corrections. Journal of High Energy Physics, 2020, 2020, 1.	4.1	15
43	Full NLO QCD corrections to off-shell $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ production.	4.7	14
44	Physic NLO EW and QCD corrections to polarized ZZ production in the four-charged-lepton channel at the LHC. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
45	Physic NLO EW and QCD corrections to polarized ZZ production in the four-charged-lepton channel at the LHC. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
46	Vector boson scattering processes: Status and prospects. Reviews in Physics, 2022, 8, 100071.	8.9	8
47	Full NLO predictions for vector-boson scattering into Z bosons and its irreducible background at the LHC. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
48	NLO QCD and EW corrections to vector-boson scattering into W^+W^- at the LHC. Journal of High Energy Physics, 2022, 2022, .	4.7	2
49	EW and QCD corrections at NLO with Recola. , 2016, , .		0
50	NLO electroweak and QCD corrections to off-shell ttW production at the LHC. SciPost Physics Proceedings, 2022, , .	0.4	0