

Jan F Strube

List of Publications by Year in descending order

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Version: 2024-02-01

255
papers

15,023
citations

18482

62
h-index

24982

109
g-index

255
all docs

255
docs citations

255
times ranked

9061
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying build orientation of 3D printed materials using convolutional neural networks. Statistical Analysis and Data Mining, 2021, 14, 575.	2.8	0
2	Performance of Julia for High Energy Physics Analyses. Computing and Software for Big Science, 2021, 5, 1.	2.9	7
3	Distributed heterogeneous compute infrastructure for the study of additive manufacturing systems. MRS Advances, 2020, 5, 1547-1555.	0.9	3
4	Effectively Using Remote I/O For Work Composition in Distributed Workflows. , 2020, , .		2
5	Observation of D^0 and Search for P and P^c . Physical Review Letters, 2017.	7.8	18
6	Measurement of the branching ratio of $B \rightarrow D^* \mu^+ \mu^-$. Physical Review D, 2016, 94, .	4.7	196
7	Measurement of the branching ratio of $B \rightarrow D^* \mu^+ \mu^-$ decaying into $B \rightarrow D^* \mu^+ \mu^-$. Physical Review D, 2016, 94, .	4.7	49
8	Measurement of the Higgs Boson Coupling to the Top Quark and the Higgs Boson Self-coupling at the ILC. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2463-2465.	0.5	8
9	Measurement of the CKM angle β_1 in $B^0 \rightarrow D^* \mu^+ \mu^-$ decays with time-dependent binned Dalitz plot analysis. Physical Review D, 2016, 94, .	4.7	9
10	Search for the decay $B^0 \rightarrow \tau^+ \tau^-$. Physical Review D, 2016, 93, .	4.7	7
11	First observation of $\Lambda_b^0 \rightarrow p \bar{K}^0$ and search for exotic baryons in $p\bar{K}^0$ systems. Physical Review D, 2016, 93, .	4.7	3
12	Neutron irradiation test of the fine pixel CCD vertex detector for the ILC. , 2015, , .		0
13	Full simulation study of the top Yukawa coupling at the ILC at $\sqrt{s} = 1$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	5
14	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	292
15	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
16	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
17	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362

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19	Prospects for the measurement of the Higgs Yukawa couplings to b and c quarks, and muons at CLIC. European Physical Journal C, 2013, 73, 1.	3.9	5
20	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	4.1	195
21	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	1.6	148
22	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 13-31.	4.1	47
23	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
24	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	4.1	24
25	Search for new phenomena in the $\sqrt{s} = 7$ TeV final state in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	4.1	24
26	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 879-901.	4.1	37
27	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	3.9	15
28	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
29	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
30	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	2.9	41
31	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	4.7	112
32	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $\sqrt{s} = 7, 8$ TeV. Physical Review D, 2013, 87, .	7.8	105
33	Measurement of charged-particle event shape variables in inclusive $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	12
34	Measurement of the χ^0 and mass in the ATLAS experiment. Physical Review D, 2013, 87, .	4.7	24
35	First radiation hardness results of the TeraPixel Active Calorimeter (TPAC) sensor. Journal of Instrumentation, 2013, 8, P01007-P01007.	1.2	3
36	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	7.8	37

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37	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	4.7	3
38	Search for resonant top quark plus jet production in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector	4.7	16
39	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	7.8	63
40	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in pp Collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2012, 108, 181802.	7.8	61
41	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .	4.7	21
42	Search for New Phenomena in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with Large Missing Transverse Momentum. Physical Review Letters, 2012, 109, 071801.	7.8	46
43	Observation of Spin Correlation in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	7.8	31
44	Search for a New Particle in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	7.8	80
45	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. Physical Review D, 2012, 86, .	4.7	135
46	Observation of a New Particle in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	7.8	90
47	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review Letters, 2012, 109, 081801.	4.7	45
48	Search for a New Particle in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	7.8	33
49	Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 86, .	4.7	12
50	Search for Pair Production of a New Particle in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	7.8	26
51	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	2.9	365
52	Search for the Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow l^+ l^- \nu \bar{\nu}$ Decay Channel in pp Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	7.8	35
53	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 108, 251801.	7.8	61
54	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	26

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55	Measurement of the production in jets from collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	23
56	Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the W and Z Cross Sections. Physical Review Letters, 2012, 109, 012001.	7.8	117
57	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at $\sqrt{s} = 7$ TeV Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	7.8	12
58	Measurement of the Z Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	7.8	33
59	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	7.8	33
60	Search for pair-produced heavy quarks decaying in the two-lepton channel at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 041804.	4.7	23
61	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying boson in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	7.8	40
62	Search for resonant WZ production in the WZ channel in pp collisions with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	47
63	Search for resonant WZ production in the WZ channel in pp collisions with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	12
64	A study of the material in the ATLAS inner detector using secondary hadronic interactions. Journal of Instrumentation, 2012, 7, P01013-P01013.	1.2	23
65	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high- p_T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
66	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
67	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	12
68	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $\sqrt{s} = 7$ TeV pp collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
69	A search for t resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
70	Search for the Standard Model Higgs boson in the $H \rightarrow \gamma\gamma$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
71	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
72	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15

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73	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
74	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
75	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
76	Time-dependent angular analysis of the decay $B_s^0 \rightarrow \ell^+ \ell^- \psi(\psi')$ and extraction of $\arg(\tilde{c}_s)$ and the CP-violating weak phase $\tilde{\phi}_s$ by ATLAS. Journal of High Energy Physics, 2012, 2012, .	4.7	23
77	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	14
78	Observation and study of the baryonic B-meson decays $B^0 \rightarrow p \bar{D}^*(\ell^+ \ell^-)$. Physical Review D, 2012, 85, .	4.7	21
79	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	41
80	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	24
81	Measurement of the inclusive cross section for the production of Z bosons in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	31
82	Measurement of the transverse momentum distribution of Z bosons in the $Z \rightarrow \tau^+ \tau^-$ decay in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	35
83	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	30
84	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	37
85	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and one isolated lepton with the ATLAS detector. Physical Review D, 2012, 85, .	7.8	171
86	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in pp collisions using 1 fb ⁻¹ of ATLAS data. Physical Review D, 2012, 85, .	4.7	57
87	Measurement of the b-hadron production cross section using decays to D^0 final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2012, 864, 341-381.	2.5	31
88	Search for the decay $B^0 \rightarrow \tau^+ \tau^- \psi(\psi')$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	4.1	59
89	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	4.1	12
90	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying \tilde{l} , lepton in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 197-214.	4.1	6

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91	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	4.1	17
92	Search for a standard model Higgs boson in the ZZ^* production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.1	14
93	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	3.9	248
94	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	100
95	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	13
96	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	109
97	Measurement of τ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	3.9	25
98	A search for τ resonances with the ATLAS detector in 2.05 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.	3.9	37
99	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
100	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
101	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	25
102	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	22
103	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	31
104	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	36
105	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	12
106	Search for a standard model Higgs boson in the ZZ^* production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.1	12
107	Measurement of W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.1	12
108	Measurement of W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.1	12

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109	Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.1	9
110	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.1	113
111	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.1	40
112	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.1	25
113	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.	4.1	10
114	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.	4.1	20
115	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions Using 4.7 fb ⁻¹ of ATLAS Data. Physical Review Letters, 2012, 109, 211803.		75
116	Combined search for the Standard Model Higgs boson in $\sqrt{s} = 7$ TeV collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.7	109
117	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in $\sqrt{s} = 7$ TeV events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	7.8	57
118	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	3.9	230
119	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
120	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
121	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in $\sqrt{s} = 7$ TeV events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
122	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
123	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
124	Search for a heavy Standard Model Higgs boson in the channel $pp \rightarrow H \rightarrow b\bar{b}$ in $\sqrt{s} = 7$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	4.1	16
125	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	4.1	20
126	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	4.1	20

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127	Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	231
128	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	39
129	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 37-54.	4.1	8
130	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	4.1	58
131	Search for new physics in the dijet mass distribution using 1 fb^{-1} of pp collision data at $\sqrt{s}=7$ TeV collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 37-54.	4.1	109
132	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	17
133	Search for first generation scalar leptogluarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	21
134	Searches for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	21
135	Lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	21
136	Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	21
137	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	21
138	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	21
139	Measurement of the W boson production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	21
140	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z\gamma$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	21
141	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z\gamma$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	4.1	21
142	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	4.1	36
143	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	4.1	36
144	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	4.1	36

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163	Measurement of the inclusive isolated prompt photon cross section in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	4.7	121
164	Studies of Λ and Λ^0 production in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	4.7	33
165	Observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays with the ATLAS detector. Physical Review D, 2011, 83, .	4.7	19
166	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction with the ATLAS detector. Physical Review D, 2011, 83, .	4.7	19
167	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	4.7	29
168	Measurement of partial branching fractions of inclusive charmless B meson decays to K^+, K^0 , and \bar{K}^+ . Physical Review D, 2011, 83, .	4.7	4
169	Measurement of the mass and width of the $D_{s1}(2536)^+$ meson. Physical Review D, 2011, 83, .	4.7	13
170	Evidence for the $\Lambda(1520)$ meson in the decay $\Lambda(1520) \rightarrow \Lambda^0 \pi^0$. Physical Review D, 2011, 84, .	4.7	28
171	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction with the ATLAS detector and determination of $ V_{cb} $. Physical Review D, 2011, 83, .	4.7	92
172	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction with the ATLAS detector. Physical Review D, 2011, 84, .	4.7	28
173	Measurement of the differential cross sections of inclusive, prompt and non-prompt K^0_S production in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	4.7	70
174	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	2.5	163
175	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction with the ATLAS detector. Physical Review D, 2011, 83, .	4.1	41
176	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	4.1	21
177	Search for neutral MSSM Higgs bosons decaying to $\tau^+ \tau^-$ in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particles, 2011, 705, 294-312.	4.1	45
178	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particles, 2011, 705, 294-312.	4.1	45
179	Measurement of the transverse momentum distribution of K^0_S production in $\sqrt{s}=7$ TeV proton-proton collisions. Physics Letters, 2011, 705, 294-312.	4.1	45
180	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 83, .	4.1	57

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181	Search for the Standard Model Higgs boson in the decay channel $\gamma\gamma$ at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	4.1	22
182	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	4.1	23
183	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV using $\gamma\gamma$ at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	4.1	49
184	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	114
185	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	146
186	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900$ GeV and $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
187	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	18
188	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
189	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	40
190	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	15
191	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
192	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
193	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data. European Physical Journal C, 2011, 71, 1.	3.9	14
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195	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
196	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
197	Measurement of $W^{\pm}Z$ and $Z^{\pm}Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	11
198	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	33

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200	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.1	107
201	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	4.1	32
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203	Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	38
204	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	21
205	Measurement of the W charge asymmetry in the decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	126
206	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	54
207	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	116
208	A search for new physics in dijet mass and angular distributions in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. New Journal of Physics, 2011, 13, 053044.	2.9	314
209	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	2.9	160
210	Measurement of the inelastic proton-proton cross-section at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	12.8	23
211	Search for the Higgs Boson in the $H \rightarrow \gamma\gamma$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 231801.	7.8	49
212	Search for Production of Invisible Final States in Single-Photon Decays of $H \rightarrow \gamma + \text{invisible}$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 107, 231801.	7.8	15
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219	Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ form factors. Physical Review D, 2011, 84, .	4.7	100
220	Search for the decay $B_0 \rightarrow \tau^+ \tau^-$. Physical Review D, 2011, 83, .	4.7	5
221	Dalitz plot analysis of $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	4.7	43
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223	Search for Dilepton Resonances in $\sqrt{s} = 7$ TeV Proton-Proton Collisions at ATLAS. Physical Review Letters, 2011, 106, 172002.	7.8	81
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226	Search for Diphoton Events with Large Missing Transverse Energy in $\sqrt{s} = 7$ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.	7.8	19
227	Observation of the Decay $B \rightarrow \tau^+ \ell^- \nu_\ell$ with the ATLAS Detector. Physical Review Letters, 2011, 107, 041804.	7.8	18
228	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121
229	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
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232	Evidence for Direct CP Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle β with $B \rightarrow D^* K^0$ Decays. Physical Review Letters, 2010, 105, 121801.	7.8	56
233	Search for New Particles in Two-Jet Final States in $\sqrt{s} = 7$ TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.	7.8	6
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237	Using Tau Lepton Decays to Search for Lepton Flavor Violation in the Decays $\tau \rightarrow \mu \gamma$. Physical Review D, 2010, 82, .	7.8	47
238	Measurement of the \tilde{A}_\pm and \tilde{A}'_\pm form factors. Physical Review D, 2010, 81, .	7.8	421
239	Measurement of the \tilde{A}_\pm and \tilde{A}'_\pm form factors. Physical Review D, 2010, 81, .	4.7	4
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242	Search for the rare decays $B \rightarrow K^* \mu \nu$ and $B \rightarrow K^* \tau \nu$. Physical Review D, 2010, 82, .	4.7	33
243	Search for the rare decays $B \rightarrow K^* \mu \nu$ and $B \rightarrow K^* \tau \nu$. Physical Review D, 2010, 82, .	4.7	26
244	Correlated leading baryon-antibaryon production in $e^+e^- \rightarrow c\bar{c} + b\bar{b} + X$. Physical Review D, 2010, 82, .	4.7	2
245	Search for $B^+ \rightarrow \tau^+ K^0(892)$ decays. Physical Review D, 2010, 82, .	4.7	6
246	Evidence for the decay $B \rightarrow X K^* K^0$. Physical Review D, 2010, 82, .	4.7	1
247	Search for $B \rightarrow D^* K$ and $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 82, .	4.7	4
248	Search for $B \rightarrow D^* K$ and $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 82, .	4.7	70
249	Measurement of the absolute branching fractions for $B \rightarrow D^* K$ and $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 82, .	4.7	5
250	Measurement of the absolute branching fractions for $B \rightarrow D^* K$ and $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 82, .	4.7	39
251	Limits on lepton-flavor violating decays into three charged leptons. Physical Review D, 2010, 82, .	4.7	47
252	Observation of new resonances decaying to $D^* K$ and $D^* K^0$. Physical Review D, 2010, 82, .	4.7	122

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255	Investigations into properties of charge traps created in CCDs by neutron and electron irradiation. Pramana - Journal of Physics, 2007, 69, 1093-1096.	1.8	5