

B H Samset

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

18,539
citations

17429

63
h-index

12585

132
g-index

194
all docs

194
docs citations

194
times ranked

13605
citing authors

#	ARTICLE	IF	CITATIONS
1	Quark-gluon plasma and color glass condensate at RHIC? The perspective from the BRAHMS experiment. Nuclear Physics A, 2005, 757, 1-27.	0.6	1,901
2	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	0.5	1,752
3	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
4	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. Atmospheric Chemistry and Physics, 2013, 13, 1853-1877.	1.9	779
5	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581
6	Frequency of extreme precipitation increases extensively with event rareness under global warming. Scientific Reports, 2019, 9, 16063.	1.6	393
7	Evaluating the climate and air quality impacts of short-lived pollutants. Atmospheric Chemistry and Physics, 2015, 15, 10529-10566.	1.9	365
8	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.	1.4	362
9	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
10	Evolution of the Nuclear Modification Factors with Rapidity and Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, 242303.	2.9	301
11	Transverse-Momentum Spectra in Au+Au and d+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV and the Pseudorapidity Dependence of High- p_T Suppression. Physical Review Letters, 2003, 91, 072305.	2.9	297
12	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
13	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
14			

#	ARTICLE	IF	CITATIONS
19	Charged Meson Rapidity Distributions in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 162301.	2.9	208
20	Nuclear Stopping in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 102301.	2.9	195
21	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
22	Fast and slow precipitation responses to individual climate forcings: A PDRMIP multimodel study. Geophysical Research Letters, 2016, 43, 2782-2791.	1.5	179
23	Climate Impacts From a Removal of Anthropogenic Aerosol Emissions. Geophysical Research Letters, 2018, 45, 1020-1029.	1.5	160
24	Modelled black carbon radiative forcing and atmospheric lifetime in AeroCom Phase II constrained by aircraft observations. Atmospheric Chemistry and Physics, 2014, 14, 12465-12477.	1.9	157
25	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.	1.4	146
26	Host model uncertainties in aerosol radiative forcing estimates: results from the AeroCom Prescribed intercomparison study. Atmospheric Chemistry and Physics, 2013, 13, 3245-3270.	1.9	143
27	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
28	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $\sqrt{s}=7$ TeV pp collisions. Physical Review Letters, 2011, 106, 131802.	2.9	136
29	Charged particle densities from Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 227-233.	1.5	133
30	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ 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.	1.6	126
31	Global-scale seasonally resolved black carbon vertical profiles over the Pacific. Geophysical Research Letters, 2013, 40, 5542-5547.	1.5	124
32	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
33	Measurement of the inclusive isolated prompt photon cross section in $\sqrt{s}=7$ TeV pp collisions at the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121
34			

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55	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
56	Local biomass burning is a dominant cause of the observed precipitation reduction in southern Africa. Nature Communications, 2016, 7, 11236.	5.8	75
57	Production of Mesons and Baryons at High Rapidity and HighpT in Proton-Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 252001.	2.9	74
58	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.	1.4	73
59	Centrality dependent particle production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	1.1	72
60	Delayed emergence of a global temperature response after emission mitigation. Nature Communications, 2020, 11, 3261.	5.8	71
61	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
62	Measurement of the $W^+\gamma$, $W^+\gamma$ and $Z/\gamma^* \rightarrow \gamma^* \gamma$ production cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
63	Short-lived climate forcers from current shipping and petroleum activities in the Arctic. Atmospheric Chemistry and Physics, 2012, 12, 1979-1993.	1.9	64
64	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	64
65	Emerging Asian aerosol patterns. Nature Geoscience, 2019, 12, 582-584.	5.4	64
66	Drivers of Precipitation Change: An Energetic Understanding. Journal of Climate, 2018, 31, 9641-9657.	1.2	63
67	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
68	Measurement of Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 172002.	2.9	61
69	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ γ^3 couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
70	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.	1.4	61
71	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.	1.4	60
72	Measurement of W^+Z production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59

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73	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
74	Climate response to externally mixed black carbon as a function of altitude. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2913-2927.	1.2	59
75	Rapidity Dependence of Antiproton-to-Proton Ratios in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 87, 112305.	2.9	58
76	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.	1.6	57
77	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
78	Short Black Carbon lifetime inferred from a global set of aircraft observations. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	57
79	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.	1.4	56
80	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	55
81	Efficacy of Climate Forcings in PDRMIP Models. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12824-12844.	1.2	55
82	Centrality Dependence of Charged-Particle Pseudorapidity Distributions from d+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 032301.	2.9	54
83	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.	1.6	54
84	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.	1.6	54
85	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
86	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
87	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
88	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
89	Measurement of the top quark mass with the template method in the $\text{lepton}+\text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
90	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48

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91	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, \text{TeV}$ with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
92	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	45
93	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
94	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
95	Sensible heat has significantly affected the global hydrological cycle over the historical period. Nature Communications, 2018, 9, 1922.	5.8	44
96	Historical total ozone radiative forcing derived from CMIP6 simulations. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	44
97	Search for the Standard Model Higgs boson in the $H \rightarrow \gamma\gamma, \gamma Z, Z\gamma$ decay mode in $\sqrt{s} = 7, \text{TeV}$ pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
98	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
99	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
100	A search for $t\bar{t}$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
101	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
102	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.5	39
103	Arctic Amplification Response to Individual Climate Drivers. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6698-6717.	1.2	39
104	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
105	How cleaner air changes the climate. Science, 2018, 360, 148-150.	6.0	37
106	The Changing Seasonality of Extreme Daily Precipitation. Geophysical Research Letters, 2018, 45, 11,352.	1.5	37
107	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	36
108	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7, \text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36

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109	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36
110	Aircraft measurements of black carbon vertical profiles show upper tropospheric variability and stability. Geophysical Research Letters, 2017, 44, 1132-1140.	1.5	36
111	Environmental impacts of shipping in 2030 with a particular focus on the Arctic region. Atmospheric Chemistry and Physics, 2013, 13, 1941-1955.	1.9	35
112	Carbon Dioxide Physiological Forcing Dominates Projected Eastern Amazonian Drying. Geophysical Research Letters, 2018, 45, 2815-2825.	1.5	35
113	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.	1.6	34
114	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
115	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.	1.6	33
116	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	33
117	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.5	32
118	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.	1.6	32
119	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.	1.4	31
120	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
121	Reducing CO ₂ from shipping – do non-CO ₂ effects matter?. Atmospheric Chemistry and Physics, 2013, 13, 4183-4201.	1.9	29
122	Climate Penalty for Shifting Shipping to the Arctic. Environmental Science & Technology, 2014, 48, 13273-13279.	4.6	29
123	Standard climate models radiation codes underestimate black carbon radiative forcing. Atmospheric Chemistry and Physics, 2015, 15, 2883-2888.	1.9	29
124	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28
125	Global and regional climate impacts of black carbon and co-emitted species from the on-road diesel sector. Atmospheric Environment, 2014, 98, 50-58.	1.9	28
126			

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127	Reduced Complexity Model Intercomparison Project Phase 2: Synthesizing Earth System Knowledge for Probabilistic Climate Projections. <i>Earth's Future</i> , 2021, 9, e2020EF001900.	2.4	28
128	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , 2018, 45, 11399-11405.	1.5	26
129	A search for $t\bar{t}$ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 2083.	1.4	25
130	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. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	25
131	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,527.	1.2	24
132	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. <i>European Physical Journal C</i> , 2010, 70, 875-916.	1.4	23
133	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7 \text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	22
134	Strong Contrast in Remote Black Carbon Aerosol Loadings Between the Atlantic and Pacific Basins. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,386.	1.2	22
135	Measurement of J_{\parallel} polarization in $W\mu^+\mu^-$ decays with the ATLAS detector in pp collisions at $\sqrt{s}=7 \text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 2062.	1.4	21
136	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	21
137	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4382-4394.	1.2	21
138	Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 106, 121803.	2.9	19
139	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	19
140	Upward adjustment needed for aerosol radiative forcing uncertainty. <i>Nature Climate Change</i> , 2014, 4, 230-232.	8.1	19
141	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	18
142	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	18
143	Spatial Representativeness Error in the Ground-Level Observation Networks for Black Carbon Radiation Absorption. <i>Geophysical Research Letters</i> , 2018, 45, 2106-2114.	1.5	18
144	Global Radiative Impacts of Black Carbon Acting as Ice Nucleating Particles. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089056.	1.5	18

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145	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
146	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
147	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	16
148	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.	1.4	15
149	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
150	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
151	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
152	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
153	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.	1.4	14
154	Rapidity dependent strangeness measurements in BRAHMS experiment at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S85-S92.	1.4	13
155	Nuclear modification factor for charged pions and protons at forward rapidity in central Au+Au collisions at 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 219-223.	1.5	13
156	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
157	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	13
158	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
159	Search for lepton flavour violation in the e^+e^- continuum with the ATLAS detector in $\sqrt{s}=7\text{ TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
160	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s}=7\text{ TeV}$ pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	1.4	13
161	How Daily Temperature and Precipitation Distributions Evolve With Global Surface Temperature.. Earth's Future, 2019, 7, 1323-1336.	2.4	13
162	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.	1.6	12

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163	Measurement of $W^{\pm 3}$ and $Z^{\pm 3}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
164	An assessment of precipitation adjustment and feedback computation methods. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,608-11,619.	1.2	8
165	Black Carbon and Precipitation: An Energetics Perspective. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032239.	1.2	8
166	Energy market impacts of nuclear power phase-out policies. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1511-1527.	1.0	7
167	The effect of rapid adjustments to halocarbons and N ₂ O on radiative forcing. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	7
168	Complete distributed computing environment for a HEP experiment: experience with ARC-connected infrastructure for ATLAS. Journal of Physics: Conference Series, 2008, 119, 062041.	0.3	6
169	Distributed analysis in ATLAS using GANGA. Journal of Physics: Conference Series, 2010, 219, 072002.	0.3	5
170	Counteracting the climate effects of volcanic eruptions using short-lived greenhouse gases. Geophysical Research Letters, 2014, 41, 8627-8635.	1.5	5
171	Scientific data from precipitation driver response model intercomparison project. Scientific Data, 2022, 9, 123.	2.4	5
172	Ganga: User-friendly Grid job submission and management tool for LHC and beyond. Journal of Physics: Conference Series, 2010, 219, 072022.	0.3	4
173	Earlier emergence of a temperature response to mitigation by filtering annual variability. Nature Communications, 2022, 13, 1578.	5.8	4
174	The Southern Hemisphere Midlatitude Circulation Response to Rapid Adjustments and Sea Surface Temperature Driven Feedbacks. Journal of Climate, 2020, 33, 9673-9690.	1.2	3
175	User analysis of LHC data with Ganga. Journal of Physics: Conference Series, 2010, 219, 072008.	0.3	2
176	RECENT RESULTS FROM THE BRAHMS EXPERIMENT AT RHIC. International Journal of Modern Physics A, 2005, 20, 4369-4379.	0.5	1
177	Reinforcing user data analysis with Ganga in the LHC era: scalability, monitoring and user-support. Journal of Physics: Conference Series, 2011, 331, 072011.	0.3	1
178	Land cover change in low-warming scenarios may enhance the climate role of secondary organic aerosols. Environmental Research Letters, 0, .	2.2	1
179	High p _T results for Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2004, 33, s603-s605.	1.4	0
180	Strangeness production in $\sqrt{s_{NN}} = 200$ GeV Au+Au collisions at RHIC. European Physical Journal C, 2004, 33, s624-s626.	1.4	0

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181	Properties of matter at forward rapidities at RHIC. Nuclear Physics A, 2005, 749, 295-298.	0.6	0
182	BRAHMS Collaboration. Nuclear Physics A, 2006, 774, 938.	0.6	0
183	Performance of an ARCâ€“enabled computing grid for ATLAS/LHC physics analysis and Monte Carlo production under realistic conditions. Journal of Physics: Conference Series, 2010, 219, 072016.	0.3	0
184	The latest results from the ATLAS experiment. Journal of Physics: Conference Series, 2010, 259, 012021.	0.3	0
185	Parallel Monte Carlo simulations on an ARCâ€“enabled computing grid. Journal of Physics: Conference Series, 2011, 331, 072026.	0.3	0
186	Reply to: Uncertainty in near-term temperature evolution must not obscure assessments of climate mitigation benefits. Nature Communications, 2022, 13, .	5.8	0