

Raffaele Giordano

List of Publications by Year in descending order

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Version: 2024-02-01

290
papers

12,656
citations

22099

59
h-index

31759

101
g-index

293
all docs

293
docs citations

293
times ranked

8965
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
2	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
3	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
4	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
5	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

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#	ARTICLE	IF	CITATIONS
19	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
20	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^- \nu_\tau$ in $t\bar{t}$ 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
21	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121

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#	ARTICLE	IF	CITATIONS
37	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
38	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
39	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
40	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77
41	Search for resonant diboson production in the $\ell\ell q\bar{q}$, $\ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
42	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
43	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
44	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
45	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	1.4	70
46	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau$, $H \rightarrow \tau^+ \bar{\nu}_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
47	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
48	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
49	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
50	Measurement of the $W \rightarrow \tau^+ \bar{\nu}_\tau$ and $Z \rightarrow \tau^+ \bar{\nu}_\tau$ 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
51	Fixed-Latency, Multi-Gigabit Serial Links With Xilinx FPGAs. IEEE Transactions on Nuclear Science, 2011, 58, 194-201.	1.2	64
52	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
53	The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1.	1.0	63
54	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62

#	ARTICLE	IF	CITATIONS
55	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
56	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
57	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
58	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
59	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
60	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	1.4	60
61	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
62	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
63	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
64	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
65	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	1.4	58
66	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
67	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
68	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	1.4	55
69	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
70	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
71	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
72	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

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73	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
74	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
75	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
76	Development of large size Micromegas detector for the upgrade of the ATLAS Muon system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 161-165.	0.7	51
77	Measurement of the top quark mass with the template method in the $\text{Star}\{t\}$ $\text{omathrm}\{\text{lepton}\}+\text{mathrm}\{\text{jets}\}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
78	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$; $\text{mathrm}\{\text{TeV}\}$ pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48
79	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	1.4	48
80	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
81	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	1.4	46
82	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.	1.6	45
83	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	45
84	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
85	Measurement of the $\text{Star}\{t\}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
86	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s}=8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
87	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
88	Search for supersymmetry at $\sqrt{s}=8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
89	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
90	Search for the Standard Model Higgs boson in the $H\rightarrow\text{b}\bar{\text{b}}, \tau\bar{\tau}, \gamma\gamma$ decay mode in $\sqrt{s}=7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43

#	ARTICLE	IF	CITATIONS
91	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	42
92	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	42
93	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	1.4	42
94	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.	1.4	41
95	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
96	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	1.4	41
97	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.	1.4	40
98	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.	1.6	40
99	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.4	40
100	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	40
101	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	40
102	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
103	Normative Data for Left and Right Ventricular Systolic Strain in Healthy Caucasian Italian Children by Two-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2018, 31, 712-720.e6.	1.2	39
104	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	38
105	First measurements of beam backgrounds at SuperKEKB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 914, 69-144.	0.7	38
106	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.	1.4	37
107	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.	1.4	36
108	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.	1.6	36

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109	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36
110	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	36
111	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
112	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
113	Search for $W' \rightarrow tb$ and $W' \rightarrow q\bar{q}$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	1.4	35
114	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \text{ TeV}$ using 4.5 fb^{-1} of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
115	Nomograms for two-dimensional echocardiography derived valvular and arterial dimensions in Caucasian children. Journal of Cardiology, 2017, 69, 208-215.	0.8	35
116	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
117	Multi-channel search for squarks and gluinos in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
118	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
119	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	1.4	33
120	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
121	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
122	Measurement of J/ψ $c1$ and J/ψ $c2$ production with $s = 7 \text{ TeV}$ pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
123	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900 \text{ GeV}$ and $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	31
124	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions. European Physical Journal C, 2012, 72, 1.	1.4	31
125	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	1.6	31
126	Lung ultrasound reclassification of chest X-ray data after pediatric cardiac surgery. Paediatric Anaesthesia, 2018, 28, 421-427.	0.6	31

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127	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	1.4	30
128	Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
129	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
130	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
131	Prognostic role of BNP in children undergoing surgery for congenital heart disease: analysis of prediction models incorporating standard risk factors. Clinical Chemistry and Laboratory Medicine, 2015, 53, 1839-46.	1.4	28
132	Nomograms for mitral inflow Doppler and tissue Doppler velocities in Caucasian children. Journal of Cardiology, 2016, 68, 288-299.	0.8	28
133	The FAZIA setup: A review on the electronics and the mechanical mounting. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 930, 27-36.	0.7	28
134	FPGA implementation of a high-resolution time-to-digital converter. , 2007, , .		27
135	Tranexamic Acid Therapy in Pediatric Cardiac Surgery: A Single-Center Study. Annals of Thoracic Surgery, 2012, 94, 1302-1306.	0.7	27
136	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
137	Redundant-Configuration Scrubbing of SRAM-Based FPGAs. IEEE Transactions on Nuclear Science, 2017, 64, 2497-2504.	1.2	27
138	A search for χ_{top} 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.	1.4	25
139	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.	1.4	25
140	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
141	Review and status report of pediatric left ventricular systolic strain and strain rate nomograms. Heart Failure Reviews, 2015, 20, 601-612.	1.7	25
142	Incidence and natural history of neonatal isolated ventricular septal defects: Do we know everything? A 6-year single-center Italian experience follow-up. Congenital Heart Disease, 2018, 13, 105-112.	0.0	25
143	The Level-1 Trigger Muon Barrel System of the ATLAS experiment at CERN. Journal of Instrumentation, 2009, 4, P04010-P04010.	0.5	23
144	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. European Physical Journal C, 2010, 70, 875-916.	1.4	23

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145	A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	1.4	23
146	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	1.4	23
147	High-Resolution Synthesizable Digitally-Controlled Delay Lines. IEEE Transactions on Nuclear Science, 2015, 62, 3163-3171.	1.2	23
148	Measurement of three-jet production cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	1.4	23
149	Characterizing Jitter Performance of Multi Gigabit FPGA-Embedded Serial Transceivers. IEEE Transactions on Nuclear Science, 2010, 57, 451-455.	1.2	22
150	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	22
151	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	1.4	22
152	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
153	High-Speed, Fixed-Latency Serial Links With FPGAs for Synchronous Transfers. IEEE Transactions on Nuclear Science, 2009, 56, 2864-2873.	1.2	21
154	Measurement of \tilde{t} , polarization in $W\tilde{t}, \tilde{t}\gamma$ decays with the ATLAS detector in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 2062.	1.4	21
155	Lung ultrasound in adult and paediatric cardiac surgery: is it time for routine use?. Interactive Cardiovascular and Thoracic Surgery, 2016, 22, 208-215.	0.5	21
156	Protocol-independent, fixed-latency links with FPGA-embedded SerDeses. Journal of Instrumentation, 2012, 7, P05004-P05004.	0.5	20
157	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
158	First experience with sildenafil after Fontan operation. Journal of Cardiovascular Medicine, 2015, 16, 552-555.	0.6	20
159	Search for charged Higgs bosons through the violation of lepton universality in t events using pp collision data at $\sqrt{s}=7\text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
160	Measurement of k_T splitting scales in $W\tilde{t}, \tilde{t}\gamma$ events at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
161	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
162	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. European Physical Journal C, 2011, 71, 1.	1.4	18

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163	Strengths and limitations of current pediatric blood pressure nomograms: a global overview with a special emphasis on regional differences in neonates and infants. <i>Hypertension Research</i> , 2015, 38, 577-587.	1.5	18
164	Left and Right Atrial Strain in Healthy Caucasian Children by Two-Dimensional Speckle-Tracking Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 165-168.e3.	1.2	18
165	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	17
166	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	17
167	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	17
168	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $s = 7\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	17
169	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7\text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 158.	1.4	17
170	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	16
171	Search for diphoton events with large missing transverse energy with 36 pb^{-1} of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	15
172	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with ATLAS. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	15
173	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	15
174	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. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	15
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