

Fangjun Lu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

9,641
citations

53
h-index

82
g-index

280
ext. papers

10,949
ext. citations

4.6
avg. IF

3.84
L-index

#	Paper	IF	Citations
262	The data acquisition algorithm designed for the SiPM-based detectors of GECAM satellite. <i>Radiation Detection Technology and Methods</i> , 2022 , 6, 70	0.7	
261	The design and performance of charged particle detector onboard the GECAM mission. <i>Radiation Detection Technology and Methods</i> , 2022 , 6, 53	0.7	0
260	In-orbit Timing Calibration of the Insight-Hard X-Ray Modulation Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 259, 14	8	2
259	The 2018 failed outburst of H 1743 B22: Insight-HXMT, NuSTAR, and NICER views. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 512, 4541-4555	4.3	1
258	Peculiar Disk Behaviors of the Black Hole Candidate MAXI J1348B30 in the Hard State Observed by Insight-HXMT and Swift. <i>Astrophysical Journal</i> , 2022 , 927, 210	4.7	3
257	A Study on the X-Ray Pulse Profile and Spectrum of the Crab Pulsar Using NICER and Insight-HXMT's Observations. <i>Astrophysical Journal</i> , 2022 , 928, 183	4.7	0
256	Quasi-periodic Oscillations of the X-Ray Burst from the Magnetar SGR J1935B154 and Associated with the Fast Radio Burst FRB 200428. <i>Astrophysical Journal</i> , 2022 , 931, 56	4.7	2
255	Detection of Flare Multiperiodic Pulsations in Mid-ultraviolet Balmer Continuum, Ly β , Hard X-Ray, and Radio Emissions Simultaneously. <i>Astrophysical Journal</i> , 2021 , 921, 179	4.7	6
254	A Variable Ionized Disk Wind in the Black Hole Candidate EXO 1846B31. <i>Astrophysical Journal</i> , 2021 , 906, 11	4.7	4
253	Enhanced Localization of Transients Based on a Novel Cross-correlation Method. <i>Astrophysical Journal</i> , 2021 , 920, 43	4.7	5
252	X-ray reprocessing in accreting pulsar GX 301-2 observed with Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 501, 2522-2530	4.3	2
251	Physical origin of the non-physical spin evolution of MAXI J1820 + 070. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 2168-2180	4.3	4
250	Accretion torque reversals in GRO J1008-57 revealed by Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2021 , 30, 1-8	2.5	3
249	New Insight into the Rapid Burster by Insight-HXMT. <i>Astrophysical Journal</i> , 2021 , 913, 150	4.7	0
248	Study on the Energy Limits of kHz QPOs in Sco X-1 with RXTE and Insight-HXMT Observations. <i>Astrophysical Journal</i> , 2021 , 913, 119	4.7	1
247	Insight-HXMT Observations of a Possible Fast Transition from the Jet- to Wind-dominated State during a Huge Flare of GRS 1915+105. <i>Astrophysical Journal Letters</i> , 2021 , 906, L2	7.9	4
246	Insight-HXMT observations of jet-like corona in a black hole X-ray binary MAXI J1820+070. <i>Nature Communications</i> , 2021 , 12, 1025	17.4	15

245	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. <i>Nature Astronomy</i> , 2021 , 5, 378-384	12.1	56
244	A preliminary design of the magnetic diverter on-board the eXTP observatory. <i>Experimental Astronomy</i> , 2021 , 51, 475	1.3	1
243	Relation of Cyclotron Resonant Energy and Luminosity in a Strongly Magnetized Neutron Star GRO J1008-57 Observed by Insight-HXMT. <i>Astrophysical Journal</i> , 2021 , 919, 33	4.7	2
242	Broadband Variability Study of Maxi J1631-479 in Its Hard-intermediate State Observed with Insight-HXMT. <i>Astrophysical Journal</i> , 2021 , 919, 92	4.7	3
241	Design and calibration of the high energy particle monitor onboard the Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2020 , 26, 77-82	2.5	4
240	The Low Energy X-ray telescope (LE) onboard the Insight-HXMT astronomy satellite. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	41
239	Geant4 simulation for the responses to X-rays and charged particles through the eXTP focusing mirrors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 963, 163702	1.2	5
238	Overview to the Hard X-ray Modulation Telescope (Insight-HXMT) Satellite. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	71
237	Discovery of Delayed Spin-up Behavior Following Two Large Glitches in the Crab Pulsar, and the Statistics of Such Processes. <i>Astrophysical Journal</i> , 2020 , 896, 55	4.7	5
236	Diagnostic of the spectral properties of Aquila X-1 by Insight-HXMT snapshots during the early propeller phase. <i>Journal of High Energy Astrophysics</i> , 2020 , 25, 10-16	2.5	0
235	Insight-HXMT study of the timing properties of Sco X-1. <i>Journal of High Energy Astrophysics</i> , 2020 , 25, 1-9	2.5	3
234	The High Energy X-ray telescope (HE) onboard the Insight-HXMT astronomy satellite. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	39
233	The Medium Energy X-ray telescope (ME) onboard the Insight-HXMT astronomy satellite. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	41
232	The Evolution of the Broadband Temporal Features Observed in the Black-hole Transient MAXI J1820+070 with Insight-HXMT. <i>Astrophysical Journal</i> , 2020 , 896, 33	4.7	13
231	Two Complete Spectral Transitions of Swift J0243.6+6124 Observed by Insight-HXMT. <i>Astrophysical Journal</i> , 2020 , 902, 18	4.7	5
230	Insight-HXMT Firm Detection of the Highest-energy Fundamental Cyclotron Resonance Scattering Feature in the Spectrum of GRO J1008-57. <i>Astrophysical Journal Letters</i> , 2020 , 899, L19	7.9	5
229	Discovery of State Transition Behaviors in PSR J1124-9116. <i>Astrophysical Journal Letters</i> , 2020 , 900, L7	7.9	2
228	Deadtime calculation method of the High Energy X-ray telescope (HE) onboard the Insight-HXMT satellite. <i>Journal of High Energy Astrophysics</i> , 2020 , 26, 58-64	2.5	9

227	A search for prompt γ counterparts to fast radio bursts in the Insight-HXMT data. <i>Astronomy and Astrophysics</i> , 2020 , 637, A69	5.1	14
226	The observation of the South Atlantic Anomaly with the particle monitors onboard Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2020 , 26, 95-101	2.5	0
225	In-flight calibration of the Insight-Hard X-ray Modulation Telescope. <i>Journal of High Energy Astrophysics</i> , 2020 , 27, 64-76	2.5	18
224	Switches between accretion structures during flares in 4U 1901+03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 5680-5692	4.3	4
223	Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 ,	4.3	6
222	The brightening of the pulsar wind nebula of PSR B054009 after its spin-down-rate transition. <i>Nature Astronomy</i> , 2019 , 3, 1122-1127	12.1	11
221	Physics and astrophysics of strong magnetic field systems with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	10
220	In-orbit Demonstration of X-Ray Pulsar Navigation with the Insight-HXMT Satellite. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 244, 1	8	12
219	Constant cyclotron line energy in Hercules X1 - Joint Insight-HXMT and NuSTAR observations. <i>Journal of High Energy Astrophysics</i> , 2019 , 23, 29-32	2.5	8
218	Insight-HXMT observation on 4U 160802: Evolving spectral properties of a bright type-I X-ray burst. <i>Journal of High Energy Astrophysics</i> , 2019 , 24, 23-29	2.5	1
217	Timing analysis of Swift J1658.24242's outburst in 2018 with Insight-HXMT, NICER and AstroSat. <i>Journal of High Energy Astrophysics</i> , 2019 , 24, 30-40	2.5	7
216	Ground-based calibration and characterization of the HE detectors for Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2019 , 24, 6-14	2.5	7
215	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	31
214	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	17
213	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	59
212	The enhanced X-ray Timing and Polarimetry mission eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	95
211	Insight-HXMT observations of the first binary neutron star merger GW170817. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3.6	37
210	The insight-HXMT mission and its recent progresses 2018 ,		8

209	The large area detector onboard the eXTP mission 2018 ,		5
208	Einstein Probe: a lobster-eye telescope for monitoring the x-ray sky 2018 ,		17
207	INSIGHT-HXMT Observations of the New Black Hole Candidate MAXI J1535-571: Timing Analysis. <i>Astrophysical Journal</i> , 2018 , 866, 122	4.7	41
206	Insight-HXMT Observations of 4U 1636-536: Corona Cooling Revealed with Single Short Type-I X-Ray Burst. <i>Astrophysical Journal Letters</i> , 2018 , 864, L30	7.9	16
205	Swift observations of the bright uncatalogued X-ray transient MAXI J1535-571. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 4443-4454	4.3	20
204	Time Evolution of the X-Ray and γ -Ray Fluxes of the Crab Pulsar. <i>Astrophysical Journal</i> , 2018 , 865, 21	4.7	6
203	Phase Evolution of the Crab Pulsar between Radio and X-Ray. <i>Astrophysical Journal</i> , 2017 , 845, 119	4.7	3
202	Introduction to the detection technology of Ali CMB polarization telescope. <i>Radiation Detection Technology and Methods</i> , 2017 , 1, 1	0.7	7
201	Test of pulsar navigation with POLAR on TG-2 space station. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2017 , 47, 099505	1.5	16
200	The LOFT mission concept: a status update 2016 ,		7
199	Addendum to Measurement of the $t\bar{t}$ production cross-section using $(e\mu)$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 (TeV) with the ATLAS detector \square <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
198	EVOLUTION OF THE X-RAY PROFILE OF THE CRAB PULSAR. <i>Astrophysical Journal</i> , 2016 , 818, 48	4.7	13
197	eXTP: Enhanced X-ray Timing and Polarization mission 2016 ,		73
196	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ and 8 (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
195	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 7$ and 8 (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 79	4.2	21
194	Search for resonant diboson production in the $t\bar{t}$ final state in $t\bar{t}$ collisions at $\sqrt{s} = 7$ and 8 (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
193	Measurements of the $t\bar{t}$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
192	Search for dark matter in events with heavy quarks and missing transverse momentum in $t\bar{t}$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60

191	Measurement of the (\overline{t}) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
190	Measurement of the $W W + W Z$ 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. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
189	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	29
188	Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
187	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
186	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. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	45
185	Search for charged Higgs bosons decaying via $H \rightarrow \tau \tau$ in fully hadronic final states using pp collision data at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	56
184	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
183	REVERSE-SHOCK IN TYCHO'S SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2015 , 805, 142	4.7	2
182	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 228	4.2	18
181	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 303	4.2	49
180	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4.2	38
179	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
178	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. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
177	Search for new phenomena in events with three or more charged leptons in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
176	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	37
175	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
174	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16

173	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 165	4.2	25
172	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
171	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4.2	50
170	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
169	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector 2015 , 2015, 1		3
168	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at (\sqrt{s}) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
167	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
166	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12
165	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
164	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
163	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2982	4.2	18
162	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
161	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 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
160	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in (\sqrt{s}) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
159	Measurement of the production cross section of prompt J/ψ mesons in association with a W boson in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
158	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
157	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
156	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120

155	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	39
154	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
153	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	52
152	Measurement of τ_1 and τ_2 production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	26
151	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	6
150	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	40
149	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4-2	41
148	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	67
147	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4-2	166
146	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3117	4-2	17
145	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3168	4-2	16
144	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $(\sqrt{s}=8)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30
143	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb ⁻¹ of $(\sqrt{s}) = 8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	9
142	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	108
141	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4-2	107
140	Introduction to the hard x-ray modulation telescope 2014 ,		23
139	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	54
138	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4-2	45

137	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
136	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. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31
135	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
134	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in $\sqrt{s} = 8$ TeV collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3195	4.2	21
133	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	36
132	Measurement of the production cross-section of $(ZS) \rightarrow b\bar{b} + \text{jet}$ in pp collisions at $(\sqrt{s}) = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
131	Measurement of the Z/ γ boson transverse momentum distribution in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
130	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	31
129	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
128	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
127	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 $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
126	Measurement of the (\overline{t}) production cross-section using (emu) events with (b) -tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector 2014 , 74, 1		2
125	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. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
124	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. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34
123	Search for third generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
122	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
121	Measurement of ZZ production in pp collisions at $(\sqrt{s}=7)$ TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
120	Search for charged Higgs bosons through the violation of lepton universality in (\overline{t}) events using pp collision data at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14

119	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	47
118	Measurement of splitting scales in n -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4-2	8
117	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4-2	76
116	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	92
115	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. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	64
114	Measurement of the differential cross-section of B + meson production in pp collisions at ($\sqrt{s}=7$) TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	24
113	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	43
112	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4-2	276
111	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4-2	71
110	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4-2	25
109	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	209
108	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4-2	18
107	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}=2.76$ TeV) with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	143
106	Measurement of the top quark charge in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	15
105	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	72
104	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
103	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	55
102	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	15

101	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
100	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
99	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
98	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
97	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
96	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
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94	Cr-K EMISSION LINE AS A CONSTRAINT ON THE PROGENITOR PROPERTIES OF SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2013 , 766, 44	4.7	20
93	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	4.2	14
92	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. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
91	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
90	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
89	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
88	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
87	Measurement of polarization in t -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
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85	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7 \text{ TeV}$) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
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82	A search for ($\overline{t}t$) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	39
81	Search for the Standard Model Higgs boson in the $H \rightarrow b\bar{b}$ decay mode in ($\sqrt{s} = 7$;TeV) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	37
80	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). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	31
79	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ($\sqrt{s}=7$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	11
78	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	53
77	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	49
76	Search for anomalous production of prompt like-sign lepton pairs at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	16
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74	Search for R-parity-violating supersymmetry in events with four or more leptons in ($\sqrt{s}=7$;TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	13
73	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	199
72	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mTeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	70
71	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7$ ~TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	13
70	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4-2	82
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66	Measurement of $W \mp Z$ production in proton-proton collisions at ($\sqrt{s}=7$ ~TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	54

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64	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	4.2	18
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62	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. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
61	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
60	Search for doubly charged Higgs bosons in like-sign dilepton final states at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
59	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
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