

# Asen Christov

## 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.

182  
papers

13,071  
citations

58  
h-index

109  
g-index

188  
ext. papers

14,641  
ext. citations

5  
avg, IF

2.55  
L-index

#	Paper	IF	Citations
182	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , <b>2019</b> , 122, 051102	7.4	15
181	Test stand for characterization of optical sensors for astronomy. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , <b>2019</b> , 5, 1	1.1	
180	Measurement of Atmospheric Neutrino Oscillations at 6-56 GeV with IceCube DeepCore. <i>Physical Review Letters</i> , <b>2018</b> , 120, 071801	7.4	54
179	Search for nonstandard neutrino interactions with IceCube DeepCore. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	15
178	Astrophysical neutrinos and cosmic rays observed by IceCube. <i>Advances in Space Research</i> , <b>2018</b> , 62, 2902-2930	11	
177	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , <b>2018</b> , 361,	33.3	407
176	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , <b>2018</b> , 361, 147-151	33.3	364
175	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. <i>Astrophysical Journal</i> , <b>2018</b> , 857, 117	4.7	14
174	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 868, L20	7.9	35
173	Search for neutrinos from decaying dark matter with IceCube: IceCube Collaboration. <i>European Physical Journal C</i> , <b>2018</b> , 78, 831	4.2	28
172	Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	85
171	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 151	4.7	139
170	THE CONTRIBUTION OFFERMI-2LAC BLAZARS TO DIFFUSE TEV/BEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 45	4.7	129
169	PINGU: a vision for neutrino and particle physics at the South Pole. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2017</b> , 44, 054006	2.9	31
168	The IceCube realtime alert system. <i>Astroparticle Physics</i> , <b>2017</b> , 92, 30-41	2.4	76
167	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P03012-P03012	1	203
166	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 136	4.7	14

165	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	55
164	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	32
163	Search for annihilating dark matter in the Sun with 3 years of IceCube data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	76
162	Measurement of the energy spectrum with IceCube-79: IceCube Collaboration. <i>European Physical Journal C</i> , <b>2017</b> , 77, 692	4.2	17
161	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L35	7.9	104
160	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 67	4.7	63
159	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 112	4.7	77
158	First search for dark matter annihilations in the Earth with the IceCube detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	10
157	An innovative silicon photomultiplier digitizing camera for gamma-ray astronomy. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	19
156	Characterization and commissioning of the SST-1M camera for the Cherenkov Telescope Array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 845, 350-354	1.2	1
155	Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	46
154	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 607, A115	5.1	23
153	Correlation between the UHECRs measured by the Pierre Auger Observatory and Telescope Array and neutrino candidate events from IceCube. <i>EPJ Web of Conferences</i> , <b>2016</b> , 116, 10004	0.3	
152	All-flavour search for neutrinos from dark matter annihilations in the Milky Way with IceCube/DeepCore. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	25
151	Search for astrophysical tau neutrinos in three years of IceCube data. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	34
150	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	80
149	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. <i>Astrophysical Journal</i> , <b>2016</b> , 824, 115	4.7	75
148	LOWERING ICECUBE'S ENERGY THRESHOLD FOR POINT SOURCE SEARCHES IN THE SOUTHERN SKY. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 824, L28	7.9	27

147	The front-end electronics and slow control of large area SiPM for the SST-1M camera developed for the CTA experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 830, 219-232	1.2	10
146	Characterization of the atmospheric muon flux in IceCube. <i>Astroparticle Physics</i> , <b>2016</b> , 78, 1-27	2.4	40
145	Searches for relativistic magnetic monopoles in IceCube. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	20
144	THE SEARCH FOR TRANSIENT ASTROPHYSICAL NEUTRINO EMISSION WITH ICECUBE-DEEPCORE. <i>Astrophysical Journal</i> , <b>2016</b> , 816, 75	4.7	4
143	Correlation between UHECRs measured by the Pierre Auger Observatory and Telescope Array and neutrino candidate events from IceCube. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 718, 052007	0.3	
142	Improved limits on dark matter annihilation in the Sun with the 79-string IceCube detector and implications for supersymmetry. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 022-022	6.4	46
141	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 3	4.7	249
140	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. <i>Astrophysical Journal</i> , <b>2016</b> , 830, 129	4.7	5
139	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 PeV with IceCube. <i>Physical Review Letters</i> , <b>2016</b> , 117, 241101	7.4	87
138	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. <i>Astrophysical Journal</i> , <b>2016</b> , 823, 65	4.7	40
137	Neutrino oscillation studies with IceCube-DeepCore. <i>Nuclear Physics B</i> , <b>2016</b> , 908, 161-177	2.8	9
136	Front-end and slow control electronics for large area SiPMs used for the single mirror Small Size Telescope (SST-1M) of the Cherenkov Telescope Array (CTA) <b>2016</b> ,		1
135	ANISOTROPY IN COSMIC-RAY ARRIVAL DIRECTIONS IN THE SOUTHERN HEMISPHERE BASED ON SIX YEARS OF DATA FROM THE ICECUBE DETECTOR. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 220	4.7	51
134	Searches for Sterile Neutrinos with the IceCube Detector. <i>Physical Review Letters</i> , <b>2016</b> , 117, 071801	7.4	122
133	Multipole analysis of IceCube data to search for dark matter accumulated in the Galactic halo. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	21
132	Flavor Ratio of Astrophysical Neutrinos above 35 TeV in IceCube. <i>Physical Review Letters</i> , <b>2015</b> , 114, 171402	4.2	130
131	Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	179
130	SEARCHES FOR TIME-DEPENDENT NEUTRINO SOURCES WITH ICECUBE DATA FROM 2008 TO 2012. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 46	4.7	47

129	A COMBINED MAXIMUM-LIKELIHOOD ANALYSIS OF THE HIGH-ENERGY ASTROPHYSICAL NEUTRINO FLUX MEASURED WITH ICECUBE. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 98	4.7	280
128	The IceProd framework: Distributed data processing for the IceCube neutrino observatory. <i>Journal of Parallel and Distributed Computing</i> , <b>2015</b> , 75, 198-211	4.4	6
127	Design, optimization and characterization of the light concentrators of the single-mirror small size telescopes of the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , <b>2015</b> , 60, 32-40	2.4	16
126	Determining neutrino oscillation parameters from atmospheric muon neutrino disappearance with three years of IceCube DeepCore data. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	63
125	Measurement of the Atmospheric $\bar{\nu}$ Spectrum with IceCube. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	39
124	Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube. <i>Physical Review Letters</i> , <b>2015</b> , 115, 081102	7.4	204
123	SEARCH FOR PROMPT NEUTRINO EMISSION FROM GAMMA-RAY BURSTS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 805, L5	7.9	92
122	THE DETECTION OF A SN II <sub>n</sub> IN OPTICAL FOLLOW-UP OBSERVATIONS OF ICECUBE NEUTRINO EVENTS. <i>Astrophysical Journal</i> , <b>2015</b> , 811, 52	4.7	30
121	Search for dark matter annihilation in the Galactic Center with IceCube-79. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	37
120	Development of a general analysis and unfolding scheme and its application to measure the energy spectrum of atmospheric neutrinos with IceCube: IceCube Collaboration. <i>European Physical Journal C</i> , <b>2015</b> , 75, 116	4.2	29
119	Searches for small-scale anisotropies from neutrino point sources with three years of IceCube data. <i>Astroparticle Physics</i> , <b>2015</b> , 66, 39-52	2.4	32
118	SEARCHES FOR EXTENDED AND POINT-LIKE NEUTRINO SOURCES WITH FOUR YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 109	4.7	122
117	Observation of high-energy astrophysical neutrinos in three years of IceCube data. <i>Physical Review Letters</i> , <b>2014</b> , 113, 101101	7.4	683
116	Characterization of New Hexagonal Large Area MPPCs. <i>IEEE Transactions on Nuclear Science</i> , <b>2014</b> , 61, 1474-1482	1.7	6
115	The differential production cross section of the $J/\psi(1020)$ meson in $[Formula: see text] = 7 \sqrt{s}$ collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
114	Search for non-relativistic magnetic monopoles with IceCube. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	30
113	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
112	DigiCam: fully digital compact camera for SST-1M telescope <b>2014</b> ,		2

111	The Cherenkov Telescope Array single-mirror small size telescope project: status and prospects <b>2014</b> ,		1
110	Observation of the cosmic-ray shadow of the Moon with IceCube. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	23
109	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 59-string configuration. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	65
108	Search for neutrino-induced particle showers with IceCube-40. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	19
107	Energy reconstruction methods in the IceCube neutrino telescope. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P03009-P03009	1	118
106	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	25
105	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> , <b>2014</b> , 74, 3034	4.2	45
104	Improvement in fast particle track reconstruction with robust statistics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 736, 143-149	1.2	20
103	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> , <b>2013</b> , 2013, 1	5.4	50
102	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> , <b>2013</b> , 2013, 1	5.4	34
101	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> , <b>2013</b> , 2013, 1	5.4	30
100	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> , <b>2013</b> , 2013, 1	5.4	124
99	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> , <b>2013</b> , 2013, 1	5.4	45
98	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> , <b>2013</b> , 2013, 1	5.4	14
97	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> , <b>2013</b> , 2013, 1	5.4	47
96	First observation of PeV-energy neutrinos with IceCube. <i>Physical Review Letters</i> , <b>2013</b> , 111, 021103	7.4	470
95	Measurement of splitting scales in $\gamma$ -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
94	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> , <b>2013</b> , 73, 2465	4.2	76

93	Measurement of atmospheric neutrino oscillations with IceCube. <i>Physical Review Letters</i> , <b>2013</b> , 111, 081801	4.1	41
92	Evidence for high-energy extraterrestrial neutrinos at the IceCube detector. <i>Science</i> , <b>2013</b> , 342, 1242856	3.3	814
91	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> , <b>2013</b> , 2013, 1	5.4	92
90	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> , <b>2013</b> , 2013, 1	5.4	64
89	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> , <b>2013</b> , 2013, 1	5.4	24
88	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> , <b>2013</b> , 2013, 1	5.4	43
87	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
86	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> , <b>2013</b> , 73, 2509	4.2	71
85	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> , <b>2013</b> , 73, 2362	4.2	25
84	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
83	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
82	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> , <b>2013</b> , 2013, 1	5.4	143
81	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> , <b>2013</b> , 2013, 1	5.4	15
80	Characterization of new hexagonal large area geiger avalanche photodiodes <b>2013</b> ,		5
79	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> , <b>2013</b> , 2013, 1	5.4	72
78	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> , <b>2013</b> , 2013, 1	5.4	44
77	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> , <b>2013</b> , 2013, 1	5.4	55
76	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> , <b>2013</b> , 2013, 1	5.4	15

75	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> , <b>2013</b> , 73, 1	4.2	55
74	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> , <b>2013</b> , 73, 1	4.2	44
73	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> , <b>2013</b> , 73, 1	4.2	12
72	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
71	Jet energy resolution in proton-proton collisions at [ <i>Formula: see text</i> ] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
70	Measurement of the [ <i>Formula: see text</i> ] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	30
69	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
68	Measurement of the cosmic ray energy spectrum with IceTop-73. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	100
67	IceCube search for dark matter annihilation in nearby galaxies and galaxy clusters. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	42
66	Probing the origin of cosmic rays with extremely high energy neutrinos using the IceCube Observatory. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	40
65	SEARCH FOR TIME-INDEPENDENT NEUTRINO EMISSION FROM ASTROPHYSICAL SOURCES WITH 3 yr OF IceCube DATA. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 132	4.7	66
64	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
63	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> , <b>2012</b> , 72, 1	4.2	31
62	Measurement of the charge asymmetry in top quark pair production in collisions at [ <i>Formula: see text</i> ] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
61	Search for lepton flavour violation in the continuum with the ATLAS detector in [ <i>Formula: see text</i> ] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
60	Measurement of the top quark mass with the template method in the [ <i>Formula: see text</i> ] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
59	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [ <i>Formula: see text</i> ] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
58	Measurement of polarization in $\tau$ -decays with the ATLAS detector in collisions at [ <i>Formula: see text</i> ]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17



57	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. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
56	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ TeV) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	67
55	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	10
54	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s} = 7$ TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	48
53	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> , <b>2012</b> , 2012, 1	5-4	39
52	Search for the Standard Model Higgs boson in the $H \rightarrow \gamma\gamma$ decay mode in ( $\sqrt{s} = 7$ TeV) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	37
51	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> , <b>2012</b> , 2012, 1	5-4	31
50	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> , <b>2012</b> , 2012, 1	5-4	11
49	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> , <b>2012</b> , 2012, 1	5-4	53
48	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> , <b>2012</b> , 2012, 1	5-4	49
47	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> , <b>2012</b> , 2012, 1	5-4	16
46	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. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
45	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> , <b>2012</b> , 2012, 1	5-4	13
44	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	199
43	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	70
42	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> , <b>2012</b> , 72, 1	4-2	13
41	Measurement of [ $\text{Formula: see text}$ ] production with a veto on additional central jet activity in collisions at [ $\text{Formula: see text}$ ] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4-2	82
40	A search for [ $\text{Formula: see text}$ ] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [ $\text{Formula: see text}$ ]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4-2	14

39	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7\sim\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
38	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
37	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7\sim\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
36	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> , <b>2012</b> , 72, 1	4.2	24
35	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{\mathbf{s}}=7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
34	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. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
33	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> , <b>2012</b> , 72, 1	4.2	31
32	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> , <b>2012</b> , 72, 1	4.2	34
31	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> , <b>2012</b> , 72, 1	4.2	104
30	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7\sim\text{TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
29	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
28	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. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
27	Search for charged Higgs bosons decaying via $H \mp \bar{t}t$ events using pp collision data at ( $\sqrt{s} = 7\text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
26	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
25	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
24	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
23	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
22	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16

21	Luminosity determination in pp collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
20	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. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30
19	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
18	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim m_{\text{box}}\{\text{TeV}\}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
17	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
16	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
15	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
14	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. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
13	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
12	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim m_{\text{box}}\{\text{TeV}\}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
11	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7\sim m_{\text{box}}\{\sim\text{TeV}\}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
10	Measurement of W and Z production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
9	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
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