

# Denis R Santos

## List of Publications by Year in descending order

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Version: 2024-02-01

309  
papers

25,676  
citations

<sup>11639</sup>  
70  
h-index

<sup>7944</sup>  
149  
g-index

311  
all docs

311  
docs citations

311  
times ranked

11631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithically integrated optical interference and absorption filters on thin film amorphous silicon photosensors for biological detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131330.	4.0	7
2	Monolithic Integration of Multi-Spectral Optical Interference Filter Array on Thin Film Amorphous Silicon Photodiodes. <i>IEEE Sensors Journal</i> , 2022, 22, 5636-5643.	2.4	5
3	Regenerable bead-based microfluidic device with integrated thin-film photodiodes for real-time monitoring of DNA detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131607.	4.0	5
4	Recent developments in microreactor technology for biocatalysis applications. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 815-827.	1.9	17
5	Label-Free Biosensing Using Thin-Film Amorphous Silicon Photodiodes Integrated With Microfluidics. <i>IEEE Sensors Journal</i> , 2021, 21, 15999-16005.	2.4	5
6	Microfluidic device for multiplexed detection of fungal infection biomarkers in grape cultivars. <i>Analyst, The</i> , 2020, 145, 7973-7984.	1.7	13
7	Microfluidic bioreactors for enzymatic synthesis in packed-bed reactors—Multi-step reactions and upscaling. <i>Journal of Biotechnology</i> , 2020, 323, 24-32.	1.9	14
8	Development Of a Microfluidic Colorectal Cancer Cell Culture System with Integrated Optical Sensors for Rapid Phage Selection. , 2020, , .		0
9	A Versatile and Fully Integrated Hand-Held Device for Microfluidic-Based Biosensing: A Case Study of Plant Health Biomarkers. <i>IEEE Sensors Journal</i> , 2020, 20, 14007-14015.	2.4	7
10	Microfluidic device for the point of need detection of a pathogen infection biomarker in grapes. <i>Analyst, The</i> , 2019, 144, 4871-4879.	1.7	15
11	Amorphous Silicon Self-Rolling Micro Electromechanical Systems: From Residual Stress Control to Complex 3D Structures. <i>Advanced Engineering Materials</i> , 2019, 21, 1900663.	1.6	7
12	Label-Free Detection of Biomolecules in Microfluidic Systems Using On-Chip UV and Impedimetric Sensors. <i>IEEE Sensors Journal</i> , 2019, 19, 7803-7812.	2.4	13
13	Silica bead-based microfluidic device with integrated photodiodes for the rapid capture and detection of rolling circle amplification products in the femtomolar range. <i>Biosensors and Bioelectronics</i> , 2019, 128, 68-75.	5.3	33
14	Multiplexed microfluidic fluorescence immunoassay with photodiode array signal acquisition for sub-minute and point-of-need detection of mycotoxins. <i>Lab on A Chip</i> , 2018, 18, 1569-1580.	3.1	37
15	A regenerable microfluidic device with integrated valves and thin-film photodiodes for rapid optimization of chromatography conditions. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3636-3646.	4.0	22
16	Regenerable Bead-Based Microfluidic Device with integrated THIN-Film Photodiodes for Real Time Monitoring of DNA Detection. <i>Proceedings (mdpi)</i> , 2018, 2, 953.	0.2	0
17	Optical biosensing in microfluidics using nanoporous microbeads and amorphous silicon thin-film photodiodes: quantitative analysis of molecular recognition and signal transduction. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 094004.	1.5	11
18	Multiplexed microfluidic platform coupled with photodetector array for point-of-need and sub-minute detection of food contaminants. , 2018, , .		0

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19	Quantitative analysis of optical transduction in microfluidic biosensing platforms: Nanoporous microbeads coupled with thin-film photodiodes. , 2018, , .		0
20	A point-of-use microfluidic device with integrated photodetector array for immunoassay multiplexing: Detection of a panel of mycotoxins in multiple samples. Biosensors and Bioelectronics, 2017, 87, 823-831.	5.3	42
21	Performance of hydrogenated amorphous silicon thin film photosensors at ultra-low light levels: towards attomole sensitivities in labon- chip biosensing applications. IEEE Sensors Journal, 2017, , 1-1.	2.4	17
22	The Laser calibration of the ATLAS Tile Calorimeter during the LHC run 1. Journal of Instrumentation, 2016, 11, T10005-T10005.	0.5	17
23	Integration of Photosensors in a Nano-liter Scale Chromatography Column for the Online Monitoring of Adsorption/Desorption Kinetics of a Fluorophore-labeled Monoclonal Antibody. Procedia Engineering, 2016, 168, 1426-1429.	1.2	2
24	Point-of-use Ultrafast Single-step Detection of Food Contaminants: A Novel Microfluidic Fluorescence-based Immunoassay with Integrated Photodetection. Procedia Engineering, 2016, 168, 329-332.	1.2	6
25	A Multiplexed Integrated a-Si:H Photosensor for Simultaneous Detection of Mycotoxins for Point-of-use Food Safety Applications. Procedia Engineering, 2016, 168, 1422-1425.	1.2	1
26	Lab-on-chip systems for integrated bioanalyses. Essays in Biochemistry, 2016, 60, 121-131.	2.1	32
27	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
28	A microfluidic immunoassay platform for the detection of free prostate specific antigen: a systematic and quantitative approach. Analyst, The, 2015, 140, 4423-4433.	1.7	21
29	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
30	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.2	24
31	Lepton Jet Final States Using Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, .	2.9	35
32	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, .	2.9	130
33	pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2014, 112, .	1.6	58
34	Search for a multi-Higgs-boson cascade in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review D, 2014, 89, .	1.6	15
35	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2014, 89, .	1.6	12
36	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	2.9	129

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37	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
38	Microfluidic ELISA for sensing of prostate cancer biomarkers using integrated a-Si:H p-i-n photodiodes. , 2014, , .		2
39	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
40	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.5	8
41	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	1.4	13
42	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. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
43	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
44	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
45	Measurement of $\chi_{c1}$ and $\chi_{c2}$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
46	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.		15
47	Standalone vertex finding in the ATLAS muon spectrometer. Journal of Instrumentation, 2014, 9, P02001-P02001.	0.5	15
48	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
49	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
50	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
51	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
52	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
53	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
54	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

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55	Measurement of $k_T$ splitting scales in $W\hat{\rightarrow}^{\pm}e^{\pm}\nu_e$ events at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
56	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{c}$ in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	1.4	119
57	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-60.	1.5	21
58	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-60.	1.5	21
59	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-60.	1.5	21
60	Measurement of the high-mass Drellian differential cross-section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	1.5	67
61	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	1.5	67
62	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.5	307
63	Search for $\tilde{c}\tilde{c}^*$ resonances in the lepton plus jets final state with ATLAS using $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
64	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	102
65	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
66	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
67	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
68	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ and comparison to the inclusive jet cross-section at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	1.4	105
69	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
70			

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73	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
74	Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	110
75	Detection of ochratoxin A in wine and beer by chemiluminescence-based ELISA in microfluidics with integrated photodiodes. Sensors and Actuators B: Chemical, 2013, 176, 232-240.	4.0	74
76	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
77	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
78	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
79	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. Journal of High Energy Physics, 2013, 2013, 1.	1.5	11
80	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 220-245.	2.76	195
81	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.5	35
82	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	0.9	33
83	Search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.5	169
84	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.5	6
85	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.5	40
86	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.5	23
87	Search for long-lived, multi-ranged particles in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	1.5	10
88	Search for a heavy narrow resonance decaying to $B_s^0 \ell^+ \ell^-$ or $B_s^0 \mu^+ \mu^-$ with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.5	14
89	Search for a heavy narrow resonance decaying to $B_s^0 \ell^+ \ell^-$ or $B_s^0 \mu^+ \mu^-$ with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.5	44
90	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

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91	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
92	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	1.5	24
93	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	27
94	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
95	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
96	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	1.4	209
97	Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
98	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 232002.	2.9	57
99	Measurement of hard double-parton interactions in $W$ + $\tau$ , $W$ + $\tau$ + 2-jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	147
100	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
101	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.2	41
102	Search for resonant diboson production in the $WW/WZ$ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	1.6	18
103	Observation of Associated Near-Side and Away-Side Long-Range Correlations in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	1.6	112
104	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
105	Measurement of $\tau$ production in $7$ TeV $pp$ collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78
106	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV $pp$ Collision Data at ATLAS. Physical Review D, 2013, 87, .	1.6	16
107	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
108	Measurement of $\tau$ production in $7$ TeV $pp$ collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78

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109	Search for long-lived stopped $R$ -hadrons decaying out of time with collisions using the ATLAS detector. Physical Review Letters, 2013, 110, 022301.	1.6	57
110	Search for contact interactions and large extra dimensions in dilepton events from $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	35
111	Measurement of charged-particle event shape variables in inclusive $(s) = 7$ TeV proton-proton interactions with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	12
112	Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	2.9	63
113	Measurement of the production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	76
114	Measurement of the $\chi^0$ production and mass in the ATLAS experiment. Physical Review D, 2013, 87, .	1.6	24
115	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	14
116	Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14
117	Measurement of the $Z \rightarrow \tau^+ \tau^-$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	60
118	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	2.9	59
119	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. Journal of Instrumentation, 2013, 8, P07004-P07004.	0.5	59
120	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	0.5	48
121	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
122	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	3
123	Search for resonant top quark plus jet production in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	1.6	16
124	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	2.9	63
125	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	61
126	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .	1.6	21



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127	Search for New Phenomena in $t\bar{t}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251801.	2.9	46
128	Search for Pair Production of a Heavy Up-Type Quark Decaying to a $W$ Boson and a $q$ Quark in the $t\bar{t}$ Channel in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251802.	2.9	31
129	Search for New Phenomena in $t\bar{t}$ Events from $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251802.	2.9	80
130	Measurement of inclusive jet and dijet production in $pp$ collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
131	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	2.9	90
132	Search for the Higgs Boson in the $WW^*(\rightarrow ZZ)$ Decay Channel in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	1.6	45
133	Search for Resonances in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	33
134	Underlying event characteristics and their dependence on jet size of charged-particle jet events in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	12
135	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	1.1	365
136	Search for the Higgs Boson in the $WW^*(\rightarrow ZZ)$ Decay Channel in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
137	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251801.	2.9	61
138	Further search for supersymmetry at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	42
139	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	26
140	Search for production of resonant states in the photon-jet mass distribution using $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 108, 211802.	1.6	23
141	Measurements of the production cross sections of $WZ$ and $WZ$ in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 012001.	2.9	117
142	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using $pp$ Collisions at $\sqrt{s}=7$ TeV Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	2.9	12
143	Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	2.9	33
144	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	2.9	33

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145	Search for pair-produced heavy quarks decaying to $Wq$ in the two-lepton channel at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	1.6	23
146	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying $W$ Bosons. Physical Review Letters, 2012, 109, 032001.	2.9	40
147	Search for $W$ boson in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	1.6	47
148	Search for resonant $WZ$ production in the $WZ\tau^+\tau^-$ channel in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	12
149	A study of the material in the ATLAS inner detector using secondary hadronic interactions. Journal of Instrumentation, 2012, 7, P01013-P01013.	0.5	23
150	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
151	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
152	Measurement of inclusive two-particle angular correlations in $pp$ collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
153	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
154	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
155	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ decay mode in $\sqrt{s} = 7$ TeV $pp$ collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
156	A search for flavour changing neutral currents in top-quark decays in $pp$ collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
157	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
158	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
159	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
160	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
161	Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi \phi$ and extraction of $\arg(\lambda)$ and the CP-violating weak phase $\arg(\lambda)$ by ATLAS. Journal of High Energy Physics, 2012, 2012, .	1.6	23
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164	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	14
165	Measurement of the b-hadron production cross section in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	41
166	Search for supersymmetry in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	24
167	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with $\sqrt{s}=7\text{ TeV}$ $pp$ collisions using $1\text{ fb}^{-1}$ of ATLAS data. Physical Review D, 2012, 85, .	1.6	31
168	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7\text{ TeV}$ $pp$ collisions using $1\text{ fb}^{-1}$ of ATLAS data. Physical Review D, 2012, 85, .	1.6	57
169	Search for supersymmetry in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	30
170	Search for the decay $\tau \rightarrow \mu \nu \nu$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	2.9	171
171	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	6.0	74
172	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7\text{ TeV}$ $pp$ collisions using $1\text{ fb}^{-1}$ of ATLAS data. Physical Review D, 2012, 85, .	1.6	57
173	Measurement of the b-hadron production cross section using decays to $D^* \rightarrow D \pi$ in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Nuclear Physics B, 2012, 864, 341-381.	0.9	31
174	Search for the decay $\tau \rightarrow \mu \nu \nu$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	1.5	59
175	Search for events with large missing transverse momentum, jets, and at least two tau leptons in $\sqrt{s}=7\text{ TeV}$ proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	12
176	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying $\tilde{l}$ , lepton in $\sqrt{s}=7\text{ TeV}$ proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 197-214.	1.5	6
177	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.5	17
178	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.5	14
179	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.5	14
180	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.5	14

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182	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
183	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
184	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	13
185	Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	1.4	109
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187	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
188	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	16
189	Measurement of $W \hat{\pm} Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
190	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
191	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	22
192	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
193	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	1.4	31
194	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
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200	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.	1.5	40
201	Search for the Higgs boson in the channel $H \rightarrow \tau\tau$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.	1.5	25
202	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.	1.5	10
203	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions Using 4.7 fb <sup>-1</sup> of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	1.5	20
204	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	2.9	57
205	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	1.4	230
206	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
207	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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209	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
210	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
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212	Measurement of the cross-section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	1.5	20
213	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.5	20
214	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.5	20
215	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.5	20
216	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.5	20

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218	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
219	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
220	Search for new physics in the dijet mass distribution using $1 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	8
221	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	1.5	58
222	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
223	Search for the Standard Model Higgs boson using up to $4.9 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	1.5	109
224	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	17
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226	Measurement of the top quark pair production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21
227	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21
228	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21
229	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	21
230	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	1.5	36
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232	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	1.5	69
233	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	1.5	69
234	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	1.5	69

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235	Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	40
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237	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
238	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
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256	Search for a neutral MSSM Higgs boson decaying to $b\bar{b}$ in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters B, 2011, 705, 204-212.	1.5	41
257	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. Physics Letters B, 2011, 705, 204-212.	1.5	21
258	Measurement of the transverse momentum distribution of $b$ quarks in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters B, 2011, 705, 204-212.	1.5	45
259	Measurement of the inclusive isolated prompt photon cross-section in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters B, 2011, 705, 204-212.	1.5	57
260	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	1.5	22
261	Measurement of the inclusive isolated prompt photon cross-section in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters B, 2011, 705, 204-212.	1.5	49
262	Measurement of inclusive jet and dijet cross sections in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	114
263	Measurement of the top quark-pair production cross section with ATLAS in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	146
264	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
265	Luminosity determination in $\sqrt{s} = 7$ TeV proton-proton collisions at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
266	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	18
267	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
268	Limits on the production of the standard model Higgs boson in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40



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272	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
273	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
274	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
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282	Measurement of the centrality dependence of Z production yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 364-375.	1.5	107
283	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 335-345.	1.5	38
284	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28
285	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	32
286	Measurement of the W charge asymmetry in the decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	52
287	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	38
288	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	21

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289	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010, 1, 119-136.	1.5	126
290	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011, 106, 172002.	1.5	54
291	A search for new physics in dijet mass and angular distributions in $\sqrt{s}=7$ TeV proton-proton collisions measured with the ATLAS detector. <i>New Journal of Physics</i> , 2011, 13, 053044.	1.2	116
292	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011, 13, 053033.	1.2	314
293	Measurement of the inelastic proton-proton cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Nature Communications</i> , 2011, 2, 463.	5.8	160
294	Search for the Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\ell$ Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 107, 231801.	2.9	23
295	Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in $\sqrt{s}=7$ TeV Proton-Proton Collisions at the LHC. <i>Physical Review Letters</i> , 2011, 106, 151802.	2.9	15
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305	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010, 70, 1193-1236.	1.4	121
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307	Measurement of the $W$ and $Z$ 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
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