

# Antonio Amorim

## List of Publications by Year in descending order

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Version: 2024-02-01

853  
papers

59,327  
citations

1231

110  
h-index

2171

202  
g-index

879  
all docs

879  
docs citations

879  
times ranked

20735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Space debris generation in GEO: Space materials testing and evaluation. <i>Acta Astronautica</i> , 2022, 192, 258-275.	1.7	13
2	Deep images of the Galactic center with GRAVITY. <i>Astronomy and Astrophysics</i> , 2022, 657, A82.	2.1	11
3	Survival of newly formed particles in haze conditions. <i>Environmental Science Atmospheres</i> , 2022, 2, 491-499.	0.9	8
4	Synergistic HNO <sub>3</sub> –H <sub>2</sub> SO <sub>4</sub> –NH <sub>3</sub> upper tropospheric particle formation. <i>Nature</i> , 2022, 605, 483-489.	13.7	26
5	Determination of the collision rate coefficient between charged iodine acid clusters and iodine acid using the appearance time method. <i>Aerosol Science and Technology</i> , 2021, 55, 231-242.	1.5	18
6	Data Acquisition System of the CLOUD Experiment at CERN. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	2.4	2
7	Implementation of a Cryogenic Facility for Space Debris Analysis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 948.	1.3	3
8	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. <i>Environmental Science Atmospheres</i> , 2021, 1, 434-448.	0.9	10
9	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021, 371, 589-595.	6.0	94
10	Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY <sup>+</sup> . <i>Astronomical Journal</i> , 2021, 161, 148.	1.9	59
11	Improved GRAVITY astrometric accuracy from modeling optical aberrations. <i>Astronomy and Astrophysics</i> , 2021, 647, A59.	2.1	82
12	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 648, A37.	2.1	4
13	Methods for the development of an alignment platform for an astronomical instrument with application to the METIS instrument at the ELT. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2021, 7, .	1.0	0
14	The central parsec of NGC 3783: a rotating broad emission line region, asymmetric hot dust structure, and compact coronal line region. <i>Astronomy and Astrophysics</i> , 2021, 648, A117.	2.1	37
15	LIDAR altimeter conception for HERA spacecraft. <i>Aircraft Engineering and Aerospace Technology</i> , 2021, 93, 1018-1028.	0.7	5
16	Constraining particle acceleration in Sgr A <sup>+</sup> with simultaneous GRAVITY, <i>Spitzer</i> , <i>NuSTAR</i> , and <i>Chandra</i> observations. <i>Astronomy and Astrophysics</i> , 2021, 654, A22.	2.1	28
17	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 654, A97.	2.1	11
18	GRAVITY <i>K</i> -band spectroscopy of HD 206893 B. <i>Astronomy and Astrophysics</i> , 2021, 652, A57.	2.1	12

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19	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 655, A112.	2.1	6
20	The mass of $\hat{\iota}$ Pictoris c from $\hat{\iota}$ Pictoris b orbital motion. <i>Astronomy and Astrophysics</i> , 2021, 654, L2.	2.1	33
21	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 655, A73.	2.1	16
22	The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14275-14291.	1.9	38
23	HERA Mission LIDAR Altimeter Implementation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1024, 012112.	0.3	3
24	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 645, A50.	2.1	5
25	Chemical composition of nanoparticles from $\pm$ -pinene nucleation and the influence of isoprene and relative humidity at low temperature. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17099-17114.	1.9	12
26	Unveiling the $\hat{\iota}$ Pictoris system, coupling high contrast imaging, interferometric, and radial velocity data. <i>Astronomy and Astrophysics</i> , 2020, 642, A18.	2.1	38
27	Direct confirmation of the radial-velocity planet $\hat{\iota}$ Pictoris c. <i>Astronomy and Astrophysics</i> , 2020, 642, L2.	2.1	61
28	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. <i>Nature</i> , 2020, 581, 184-189.	13.7	169
29	Size-dependent influence of NO <sub>x</sub> on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945.	4.7	61
30	Modeling the orbital motion of Sgr A*’s near-infrared flares. <i>Astronomy and Astrophysics</i> , 2020, 635, A143.	2.1	51
31	Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7911-7921.	4.6	66
32	An image of the dust sublimation region in the nucleus of NGC 1068. <i>Astronomy and Astrophysics</i> , 2020, 634, A1.	2.1	67
33	Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7359-7372.	1.9	58
34	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2020, 635, L12.	2.1	22
35	System for space materials evaluation in LEO environment. <i>Advances in Space Research</i> , 2020, 66, 307-320.	1.2	20
36	The resolved size and structure of hot dust in the immediate vicinity of AGN. <i>Astronomy and Astrophysics</i> , 2020, 635, A92.	2.1	46

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37	Peering into the formation history of $\rho$ Pictoris b with VLTI/GRAVITY long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2020, 633, A110.	2.1	78
38	The flux distribution of Sgr A*. <i>Astronomy and Astrophysics</i> , 2020, 638, A2.	2.1	34
39	Dynamically important magnetic fields near the event horizon of Sgr A*. <i>Astronomy and Astrophysics</i> , 2020, 643, A56.	2.1	29
40	The spatially resolved broad line region of IRAS 09149-6206. <i>Astronomy and Astrophysics</i> , 2020, 643, A154.	2.1	39
41	Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11809-11821.	1.9	49
42	Improving the model of a passively Q-switched microchip laser based on experimental data. , 2020, , .		0
43	A geometric distance measurement to the Galactic center black hole with 0.3% uncertainty. <i>Astronomy and Astrophysics</i> , 2019, 625, L10.	2.1	477
44	The GRAVITY fringe tracker. <i>Astronomy and Astrophysics</i> , 2019, 624, A99.	2.1	43
45	First direct detection of an exoplanet by optical interferometry. <i>Astronomy and Astrophysics</i> , 2019, 623, L11.	2.1	95
46	The GRAVITY Young Stellar Object survey. <i>Astronomy and Astrophysics</i> , 2019, 632, A53.	2.1	46
47	CFD Analysis of Flow Structures in a Mixing Chamber. , 2019, , .		0
48	Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 110.	1.4	218
49	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 171.	1.4	75
50	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 250.	1.4	66
51	Measurement and model comparison of stabilized Criegee intermediate and highly oxygenated molecule production in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2363-2380.	1.9	21
52	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018, 97, .		0
53	Influence of temperature on the molecular composition of ions and charged clusters during pure biogenic nucleation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 65-79.	1.9	56
54	Multiple star systems in the Orion nebula. <i>Astronomy and Astrophysics</i> , 2018, 620, A116.	2.1	23

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55	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb <sup>-1</sup> of pp collisions at. European Physical Journal C, 2018, 78, 401.	1.4	50
56	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. Science Advances, 2018, 4, eaau5363.	4.7	164
57	GRAVITY chromatic imaging of $\hat{\nu}$ -Carab's core. Astronomy and Astrophysics, 2018, 618, A125.	2.1	6
58	Detection of orbital motions near the last stable circular orbit of the massive black hole SgrA*. Astronomy and Astrophysics, 2018, 618, L10.	2.1	261
59	Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 97, .	1.8	26
60	Methods for multiple-telescope beam imaging and guiding in the near-infrared. Monthly Notices of the Royal Astronomical Society, 2018, 476, 459-469.	1.6	30
61	Detection of the gravitational redshift in the orbit of the star S2 near the Galactic centre massive black hole. Astronomy and Astrophysics, 2018, 615, L15.	2.1	593
62	Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9122-9127.	3.3	118
63	Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. Nuclear Physics A, 2018, 978, 65-106.	0.6	21
64	Correction of differential chromatic dispersion in GRAVITY. , 2018, , .		0
65	The GRAVITY fringe tracker: correlation between optical path residuals and atmospheric parameters. , 2018, , .		0
66	Learnings from the use of fiber optics in GRAVITY. , 2018, , .		0
67	Development of an alignment platform for ESO's mid-infrared E-ELT imager and spectrograph (METIS). , 2018, , .		0
68	Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	1.5	21
69	Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 132-153.	1.5	21
70	Measurement of the $\varphi$ and $\varphi_W$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
71	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	1.4	29

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73	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
74	Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 11-30.	1.4	11
75	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.	1.4	37
76	Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jet channel with ATLAS. European Physical Journal C, 2017, 77, 264.	1.4	87
77	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	27
78	Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	61
79	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	22
80	High-ET isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 918, 257-316.	0.9	81
81	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	25
82	Search for triboson $W^+W^-W$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	56
83	Measurement of the $W+W$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 354-374.	1.4	325
84	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	26
85	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at $\sqrt{s} = 8$ TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	47
86	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.6	28
87	Search for anomalous electroweak production of $WZ$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 354-374.	1.4	145
88	Search for anomalous electroweak production of $WZ$ collisions with a high-mass dijet system in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 466.	1.4	15
89	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.6	15
90	Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 95, .	1.6	15

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91	Measurement of $\langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} W \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \hat{A} \pm \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle \rangle \rangle$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	23
92	Measurement of the $t\bar{t} \hat{A}^\pm$ production cross section in the $\hat{A}^\pm, +$ jets final state in pp collisions at $s = 8 \text{ TeV}$ using the ATLAS detector. Physical Review D, 2017, 95, .	1.6	1
93	Submilliarcsecond Optical Interferometry of the High-mass X-Ray Binary BP Cru with VLTI/GRAVITY. Astrophysical Journal, 2017, 844, 72.	1.6	18
94	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	1.6	20
95	Measurement of multi-particle azimuthal correlations in pp, $p\hat{A} + \hat{A}Pb$ and low-multiplicity $Pb\hat{A} + \hat{A}Pb$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
96	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. Physical Review C, 2017, 95, .	1.1	24
97	Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $s = 13 \text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2017, 119, 051802.	2.9	36
98	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using $b\bar{b} \hat{A}^\pm$ Events. Physical Review Letters, 2017, 119, 181804.	2.9	49
99	Measurement of the $\overline{\text{t}}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
100	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
101	Measurement of jet $p_T$ correlations in $Pb + Pb$ and pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ . Physical Review Letters, 2017, 119, 181804.	1.5	24
102	Measurement of the $\overline{\text{t}}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.5	17
103	ATLAS Collaboration. Nuclear Physics A, 2017, 967, 942-964.	0.6	1
104	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
105	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	1.4	12
106	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8 \text{ TeV}$ using the ZZ $\hat{A}^\pm, \hat{A}^\pm, \hat{A}^\pm, \hat{A}^\pm$ and ZZ $\hat{A}^\pm, \hat{A}^\pm, \hat{A}^\pm$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.5	17
107	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
108	Measurements of $\hat{\Gamma}(2S)$ and $X(3872) \hat{A}^\pm J/\psi \hat{A}^\pm$ production in pp collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33

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109	Measurements of top-quark pair to Z-boson cross-section ratios at $s = 13 \sqrt{s}=13$ , 8, 7 TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
110	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
111	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
112	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	1.4	71
113	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ s. European Physical Journal C, 2017, 77, 361.	1.4	47
114	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^-$ . European Physical Journal C, 2017, 77, 367.	1.4	145
115	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76$ s NN = 2.76. European Physical Journal C, 2017, 77, 379.	1.4	51
116	Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	1.4	80
117	Measurement of charged-particle distributions sensitive to the underlying event in $s = 13 \sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
118	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s = 13 \sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
119	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\vec{pp}$ collisions at $\sqrt{s}=13$ s = 13 TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	1.4	19
120	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
121	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	157
122	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	15
123	Measurement of the inclusive jet cross-sections in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
124	Femtoscopia with identified charged pions in proton-lead collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with ATLAS. Physical Review C, 2017, 96, .		
125	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13 \sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
126	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35



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127	Measurement of $WW/WZ \rightarrow \ell \ell' q q'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	1.4	28
128	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
129	Studies of $Z\bar{t}t$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
130	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
131	Search for new phenomena in dijet events using $\langle \mathcal{M} \rangle$ of $\langle \mathcal{M} \rangle$ collision data collected at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2017, 96, 012001.	1.6	114
132	Measurements of top quark spin observables in $t\bar{t} \rightarrow \ell\ell'$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	20
133	The role of ions in new particle formation in the CLOUD chamber. Atmospheric Chemistry and Physics, 2017, 17, 15181-15197.	1.9	50
134	Evaporation of sulfate aerosols at low relative humidity. Atmospheric Chemistry and Physics, 2017, 17, 8923-8938.	1.9	11
135	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow \ell\ell'$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
136	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
137	Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation, 2017, 12, P12009-P12009.	0.5	29
138	Measurement of the $k_t$ splitting scales in $Z\bar{t}t$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
139	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
140	Search for new high-mass phenomena in the dilepton final state using $36 \text{ fb}^{-1}$ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
141	Determination of the strong coupling constant $\alpha_s$ from transverse energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
142	Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, 012001.	1.6	23
143	Accretion-ejection morphology of the microquasar SS 433 resolved at sub-au scale. Astronomy and Astrophysics, 2017, 602, L11.	2.1	10
144	First light for GRAVITY: Phase referencing optical interferometry for the Very Large Telescope Interferometer. Astronomy and Astrophysics, 2017, 602, A94.	2.1	333

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145	The wind and the magnetospheric accretion onto the T Tauri star S Coronae Australis at sub-au resolution. <i>Astronomy and Astrophysics</i> , 2017, 608, A78.	2.1	2
146	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. <i>Journal of Instrumentation</i> , 2017, 12, P05002-P05002.	0.5	10
147	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV $pp$ collisions. <i>Journal of Instrumentation</i> , 2016, 11, P11020-P11020.	0.5	10
148	Study of hard double-parton scattering in four-jet events in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	30
149	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	10
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