

# Michael Backes

## List of Publications by Year in descending order

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392  
papers

19,941  
citations

14614

66  
h-index

17546

121  
g-index

410  
all docs

410  
docs citations

410  
times ranked

16195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
2	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	6.0	654
3	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017, 77, 317.	1.4	489
4	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. <i>Science</i> , 2008, 320, 1752-1754.	6.0	355
5	Acceleration of petaelectronvolt protons in the Galactic Centre. <i>Nature</i> , 2016, 531, 476-479.	13.7	326
6	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , 2011, 730, L8.	3.0	277
7	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2011, 736, 131.	1.6	261
8	The H.E.S.S. Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A1.	2.1	244
9	Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2016, 117, 111301.	2.9	233
10	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
11	INSIGHTS INTO THE HIGH-ENERGY $\hat{\gamma}$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	1.6	185
12	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012, 35, 435-448.	1.9	183
13	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 903.	1.4	181
14	Radio Imaging of the Very-High-Energy $\hat{\gamma}$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	6.0	175
15	Observation of Pulsed $\hat{\gamma}$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. <i>Science</i> , 2008, 322, 1221-1224.	6.0	173
16	Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 253-257.	1.5	168
17	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	168
18	A very-high-energy component deep in the $\hat{\gamma}$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	13.7	166

#	ARTICLE	IF	CITATIONS
19	THE 2010 VERY HIGH ENERGY $\hat{\gamma}$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	1.6	145
20	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466.	1.4	145
21	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^0$ . <i>European Physical Journal C</i> , 2017, 77, 367.	1.4	145
22	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 211801.	2.9	145
23	Design and operation of FACT – the first G-APD Cherenkov telescope. <i>Journal of Instrumentation</i> , 2013, 8, P06008-P06008.	0.5	137
24	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	136
25	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , 2019, 122, 231801.	2.9	133
26	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton–proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 199.	1.4	132
27	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	130
28	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 995.	1.4	125
29	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	124
30	The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A2.	2.1	117
31	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	116
32	The exceptionally powerful TeV $\hat{\gamma}$ -ray emitters in the Large Magellanic Cloud. <i>Science</i> , 2015, 347, 406-412.	6.0	111
33	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , 2010, 710, 634-647.	1.6	110
34	Search for heavy resonances decaying into $W^+W^-$ in the $e^+e^- \rightarrow \gamma^*/Z \rightarrow W^+W^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 24.	1.4	108
35	Search for $\hat{\gamma}$ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2018, 120, 201101.	2.9	105
36	Search for heavy ZZ resonances in the $e^+e^- \rightarrow \gamma^*/Z \rightarrow ZZ$ final states using proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 293.	1.4	101

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37	Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. <i>Astroparticle Physics</i> , 2009, 30, 293-305.	1.9	98
38	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using <math display="inline">p</math> Collisions at <math display="inline">\sqrt{s}</math> Physical Review Letters, 2020, 125, 051801.	2.9	97
39	H.E.S.S. observations of RX J1713.7a-3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. <i>Astronomy and Astrophysics</i> , 2018, 612, A6.	2.1	95
40	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	93
41	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017, 77, 195.	1.4	87
42	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	1.6	86
43	Measurement of multi-particle azimuthal correlations in pp, p-Pb and low-multiplicity Pb-Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	1.4	86
44	Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow. <i>Science</i> , 2021, 372, 1081-1085.	6.0	86
45	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. <i>Astrophysical Journal</i> , 2008, 685, L23-L26.	1.6	84
46	Phase-resolved energy spectra of the Crab pulsar in the range of 50-400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	2.1	84
47	PERIODIC VERY HIGH ENERGY $\gamma$ -RAY EMISSION FROM LS I +61 $^{\circ}$ 303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	1.6	81
48	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 76.	1.4	81
49	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. <i>European Physical Journal C</i> , 2017, 77, 393.	1.4	80
50	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 565.	1.4	79
51	DETECTION OF VERY HIGH ENERGY $\gamma$ -RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2010, 723, L207-L212.	3.0	78
52	Detection of very-high energy $\gamma$ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, L2.	2.1	77
53	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	77
54	Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies. <i>Physical Review D</i> , 2014, 90, .	1.6	76



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73	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A99.	2.1	64
74	Upper Limit for $\gamma$ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , 2008, 679, 428-431.	1.6	61
75	Prompt and non-prompt $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018, 78, 762.	1.4	61
76	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 58.	1.4	61
77	Searches for dark matter annihilation signatures in the Segue 1 satellite galaxy with the MAGIC-I telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 035-035.	1.9	60
78	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 18.	1.4	60
79	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. <i>European Physical Journal C</i> , 2018, 78, 142.	1.4	59
80	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow t\bar{b}$ , $H^{\pm} \rightarrow t\bar{c}$ , in the $t, +jets$ and $t, +lepton$ final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	59
81	Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	2.1	57
82	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 531.	1.4	56
83	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	56
84	SIMULTANEOUS MULTI-WAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009, 703, 169-178.	1.6	55
85	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. <i>Astronomy and Astrophysics</i> , 2012, 542, A100.	2.1	55
86	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	55
87	Measurement of the EBL spectral energy distribution using the VHE $\gamma$ -ray spectra of H.E.S.S. blazars. <i>Astronomy and Astrophysics</i> , 2017, 606, A59.	2.1	54
88	Search for Higgs boson pair production in the $\gamma\gamma$ final state using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 1007.	1.4	53
89	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018, 120, 211802.	2.9	53
90	Observation of Electroweak Production of a Same-Sign $W^+W^+$ Boson Pair in Association with Two Jets in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 120, 211802.	2.9	53

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91	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. <i>Astrophysical Journal</i> , 2009, 692, L29-L33.	1.6	52
92	The Structure of Chariklo's Rings from Stellar Occultations. <i>Astronomical Journal</i> , 2017, 154, 144.	1.9	52
93	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 154.	1.4	52
94	Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A9.	2.1	52
95	Multiwavelength (Radio, X-ray, and $\gamma$ -ray) Observations of the $\gamma$ -ray Binary LS I +61 303. <i>Astrophysical Journal</i> , 2008, 684, 1351-1358.	1.6	51
96	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z^{\prime}$ boson in the $\tau^+ \tau^-$ final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 585.	1.4	51
97	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2017, 77, 379.	1.4	51
98	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{\text{NN}}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 997.	1.4	51
99	Search for an extended VHE $\gamma$ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010, 524, A77.	2.1	50
100	Discovery of VHE $\gamma$ -rays from the blazar 1ES 1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 544, A142.	2.1	50
101	THE 2012 FLARE OF PG 1553+113 SEEN WITH H.E.S.S. AND FERMI-LAT. <i>Astrophysical Journal</i> , 2015, 802, 65.	1.6	50
102	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 898.	1.4	50
103	Search for high-mass resonances decaying to $\mu^+ \mu^-$ . $\sqrt{s} = 13 \text{ TeV}$ in $p\bar{p}$ collisions at $\sqrt{s_{\text{NN}}} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 898.	2.9	50
104	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb $^{-1}$ of pp collisions at. <i>European Physical Journal C</i> , 2018, 78, 401.	1.4	50
105	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	50
106	Search for extended $\gamma$ -ray emission around AGN with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2014, 562, A145.	2.1	49
107	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ . $\sqrt{s} = 13 \text{ TeV}$ Using $b\bar{b}$ . <i>Physical Review Letters</i> , 2017, 119, 181804.	2.9	49
108	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	49

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109	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36 \text{ fb}^{-1}$ of $\sqrt{s}=13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
110	CORRELATED X-RAY AND VERY HIGH ENERGY EMISSION IN THE GAMMA-RAY BINARY LS I +61 303. Astrophysical Journal, 2009, 706, L27-L32.	1.6	47
111	Measurements of the production cross section of a $Z$ boson in association with jets in pp collisions at $\sqrt{s} = 13 \text{ s}$ . European Physical Journal C, 2017, 77, 361.	1.4	47
112	Measurement of the top quark mass in the $t \rightarrow t \hat{A} \hat{A}^{\dagger}$ . European Physical Journal C, 2019, 79, 1.	1.4	47
113	The 2014 TeV $\hat{\Gamma}$ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation. Astrophysical Journal, 2019, 870, 93.	1.6	47
114	UPPER LIMITS ON THE VHE GAMMA-RAY EMISSION FROM THE WILLMAN 1 SATELLITE GALAXY WITH THE MAGIC TELESCOPE. Astrophysical Journal, 2009, 697, 1299-1304.	1.6	46
115	Measurement of the Higgs boson coupling properties in the $H \rightarrow t \bar{t} \hat{A} \hat{A}^{\dagger}$ decay channel at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
116	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	1.4	46
117	MAGIC CONSTRAINTS ON $\hat{\Gamma}$ -RAY EMISSION FROM CYGNUS X-3. Astrophysical Journal, 2010, 721, 843-855.	1.6	45
118	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	45
119	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $s = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
120	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mrk 501 IN A LOW STATE IN 2006. Astrophysical Journal, 2009, 705, 1624-1631.	1.6	44
121	Population study of Galactic supernova remnants at very high $\hat{\Gamma}$ -ray energies with H.E.S.S.. Astronomy and Astrophysics, 2018, 612, A3.	2.1	44
122	H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100 GeV to 2 TeV Energy Range Close to the Galactic Center. Physical Review Letters, 2016, 117, 151302.	2.9	43
123	Deeper H.E.S.S. observations of Vela Junior (RX J0852.0-4622): Morphology studies and resolved spectroscopy. Astronomy and Astrophysics, 2018, 612, A7.	2.1	43
124	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	1.4	42
125	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in $Pb-Pb$ Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ . Physical Review Letters, 2018, 121, 212301.	2.9	41
126	The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2018, 617, A73.	2.1	41



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127	Search for Low Mass Dijet Resonances Using Trigger Level Jets with the ATLAS Detector in $\sqrt{s}=13$ TeV pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	41
128	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	41
129	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	41
130	Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 048-048.	1.9	41
131	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , 2012, 748, 46.	1.6	40
132	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	40
133	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	40
134	Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}$ channel. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	40
135	Search for a Structure in the $B_s \rightarrow \mu^+\mu^-$ Invariant Mass Spectrum with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018, 120, 202007.	3.9	39
136	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	39
137	TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.. <i>Astrophysical Journal Letters</i> , 2017, 850, L22.	3.0	38
138	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	38
139	Search for Higgs boson pair production in the $gg \rightarrow b\bar{b}$ final state with $13$ TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	38
140	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	38
141	Measurement of the W boson polarisation in $t\bar{t} \rightarrow \ell\bar{\ell} + \text{jets}$ events from pp collisions at $\sqrt{s}=8$ TeV in the lepton+jets channel with ATLAS. <i>European Physical Journal C</i> , 2017, 77, 264.	1.4	37
142	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	37
143	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019, 14, P03017-P03017.	0.5	37
144	Resolving acceleration to very high energies along the jet of Centaurus A. <i>Nature</i> , 2020, 582, 356-359.	13.7	37

#	ARTICLE	IF	CITATIONS
145	Constraints on an Annihilation Signal from a Core of Constant Dark Matter Density around the Milky Way Center with H.E.S.S.. <i>Physical Review Letters</i> , 2015, 114, 081301.	2.9	36
146	Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017, 119, 051802.	2.9	36
147	Search for pair production of heavy vector-like quarks decaying to high- $p_T$ $W$ bosons and $b$ quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	36
148	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	36
149	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	36
150	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	36
151	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 580.	1.4	35
152	The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 612, A5.	2.1	35
153	Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi. <i>Science</i> , 2022, 376, 77-80.	6.0	35
154	Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t}+jets$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	34
155	MAGIC TeV gamma-ray observations of Markarian 421 during multiwavelength campaigns in 2006. <i>Astronomy and Astrophysics</i> , 2010, 519, A32.	2.1	33
156	Characterizing the $\gamma$ -ray long-term variability of PKS 2155-304 with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2017, 598, A39.	2.1	33
157	Measurements of $\tilde{\chi}(2S)$ and $\tilde{\chi}(3872)$ $J/\psi/\psi'$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	33
158	Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 092001.	2.9	33
159	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	33
160	Determination of the strong coupling constant $\alpha_s$ from transverse energy correlations in multijet events at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 872.	1.4	32
161	First ground-based measurement of sub-20 GeV to 100 GeV $\gamma$ -Rays from the Vela pulsar with H.E.S.S. II. <i>Astronomy and Astrophysics</i> , 2018, 620, A66.	2.1	32
162	A search for new supernova remnant shells in the Galactic plane with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A8.	2.1	32

#	ARTICLE	IF	CITATIONS
163	Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through VHE $\gamma$ -ray observations with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2019, 627, A159.	2.1	32
164	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	32
165	OBSERVATIONS OF THE BLAZAR 3C 66A WITH THE MAGIC TELESCOPES IN STEREOSCOPIC MODE. <i>Astrophysical Journal</i> , 2011, 726, 58.	1.6	31
166	DISCOVERY OF THE HARD SPECTRUM VHE $\gamma$ -RAY SOURCE HESS J1641-463. <i>Astrophysical Journal Letters</i> , 2014, 794, L1.	3.0	31
167	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
168	Search for supersymmetry in final states with two same-sign or three leptons and jets using $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
169	Search for $W^+W^-Z$ resonance production in $\ell^+\ell^-q\bar{q}$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
170	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
171	Suzaku and Multi-Wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, 1011-1022.	1.0	30
172	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
173	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	30
174	Study of $WW\gamma$ and $WZ\gamma$ production. <i>European Physical Journal C</i> , 2017, 77, 646.	1.4	30
175	Searches for gamma-ray lines and $\tilde{\chi}^0\tilde{\chi}^0$ spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 037-037.	1.9	30
176	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	30
177	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	30
178	Discovery of VHE $\gamma$ -ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, A118.	2.1	29
179	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	29
180	Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155-304 and PG 1553+113. <i>Astronomy and Astrophysics</i> , 2017, 600, A89.	2.1	29

#	ARTICLE	IF	CITATIONS
181	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
182	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$ , $\gamma q$ and $\gamma\gamma/2q$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
183	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	29
184	Discovery of variable VHE $\gamma$ -ray emission from the binary system 1FGL J1018.6+5856. Astronomy and Astrophysics, 2015, 577, A131.	2.1	28
185	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	1.4	28
186	Measurement of $WW/WZ \rightarrow \ell u q^{\prime}$ $WW/WZ \rightarrow \ell\gamma$ , $\gamma\gamma$ 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
187	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
188	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a^* 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
189	The $\gamma$ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2018, 619, A71.	2.1	28
190	Search for long-lived neutral particles in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	1.4	28
191	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
192	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
193	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	28
194	Search for dark matter signals towards a selection of recently detected DES dwarf galaxy satellites of the Milky Way with H.E.S.S.. Physical Review D, 2020, 102, .	1.6	28
195	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.	2.9	28
196	Measurements of top-quark pair differential cross-sections in the $t\bar{t}e^+e^-$ channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
197	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	1.4	27
198	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27

#	ARTICLE	IF	CITATIONS
199	Measurement of the top-quark mass in $t\bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
200	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	26
201	MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007. Astronomy and Astrophysics, 2012, 544, A96.	2.1	25
202	The simultaneous low state spectral energy distribution of 1ES2344+514 from radio to very high energies. Astronomy and Astrophysics, 2013, 556, A67.	2.1	25
203	The high-energy $\gamma$ -ray emission of AP Librae. Astronomy and Astrophysics, 2015, 573, A31.	2.1	25
204	Search for triboson $W^{\pm}W^{\pm}W^{\mp}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
205	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
206	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	25
207	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	2.9	25
208	Long-term monitoring of PKS2155-304 with ATOM and H.E.S.S.: investigation of optical $\gamma$ -ray correlations in different spectral states. Astronomy and Astrophysics, 2014, 571, A39.	2.1	24
209	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	1.4	24
210	Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. Astronomy and Astrophysics, 2018, 612, A4.	2.1	24
211	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
212	Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
213	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
214	Probing the gamma-ray emission from HESS J1834-087 using H.E.S.S. and Fermi-LAT observations. Astronomy and Astrophysics, 2015, 574, A27.	2.1	24
215	GAMMA-RAY EXCESS FROM A STACKED SAMPLE OF HIGH- AND INTERMEDIATE-FREQUENCY PEAKED BLAZARS OBSERVED WITH THE MAGIC TELESCOPE. Astrophysical Journal, 2011, 729, 115.	1.6	23
216	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	1.4	23

#	ARTICLE	IF	CITATIONS
217	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
218	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A14.	2.1	23
219	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from $pp$ Collisions in ATLAS. <i>Physical Review Letters</i> , 2019, 123, 042001.	2.9	23
220	FACTA€”The first Cherenkov telescope using a G-APD camera for TeV gamma-ray astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 639, 58-61.	0.7	22
221	DETECTION OF VHE $\hat{\gamma}$ -RAYS FROM HESS J0632+057 DURING THE 2011 FEBRUARY X-RAY OUTBURST WITH THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2012, 754, L10.	3.0	22
222	Search for pair production of heavy vector-like quarks decaying into high- $p_T$ $W$ bosons and top quarks in the lepton-plus-jets final state in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	22
223	Measurements of top-quark pair spin correlations in the $e\mu e\mu$ channel at $\sqrt{s} = 13$ TeV using $pp$ collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	22
224	Discovery of very high energy gamma-ray emission from the blazar 1ES $\hat{\epsilon}$ %01727+502 with the MAGIC Telescopes. <i>Astronomy and Astrophysics</i> , 2014, 563, A90.	2.1	21
225	H.E.S.S. discovery of very high energy $\hat{\gamma}$ -ray emission from PKS $\hat{\epsilon}$ %0625 $\hat{a}$ ~354. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4187-4198.	1.6	21
226	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	21
227	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. <i>European Physical Journal C</i> , 2019, 79, .	1.4	21
228	Search for light long-lived neutral particles produced in $pp$ collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	21
229	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s}=8$ TeV $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	20
230	Measurement of differential cross-sections of a single top quark produced in association with a $W$ boson at $\sqrt{s}=13$ TeV with ATLAS. <i>European Physical Journal C</i> , 2018, 78, 186.	1.4	20
231	Search for diboson resonances in hadronic final states in $139 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	20
232	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV $pp$ Collision Data from the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 125, 221802.	2.9	20
233	Detection of very-high-energy $\hat{\gamma}$ -ray emission from the colliding wind binary $\hat{\gamma}$ -Car with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2020, 635, A167.	2.1	20
234	A NECTAr-based upgrade for the Cherenkov cameras of the H.E.S.S. 12-meter telescopes. <i>Astroparticle Physics</i> , 2020, 118, 102425.	1.9	20

#	ARTICLE	IF	CITATIONS
235	H.E.S.S. reveals a lack of TeV emission from the supernova remnant Puppis A. <i>Astronomy and Astrophysics</i> , 2015, 575, A81.	2.1	20
236	H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud. <i>Astronomy and Astrophysics</i> , 2015, 574, A100.	2.1	20
237	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s} = 13$ TeV $pp$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 765.	1.4	19
238	Prompt and non-prompt $\psi(2S)$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 784.	1.4	19
239	Search for top-quark decays $t \rightarrow Hq$ with $36 \text{ fb}^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	19
240	Search for squarks and gluinos in final states with same-sign leptons and jets using $139 \text{ fb}^{-1}$ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	19
241	Very high energy $\gamma$ -ray emission from two blazars of unknown redshift and upper limits on their distance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5590-5602.	1.6	19
242	Evidence of 100 TeV $\gamma$ -ray emission from HESS J1702-420: A new PeVatron candidate. <i>Astronomy and Astrophysics</i> , 2021, 653, A152.	2.1	19
243	SEARCH FOR VHE $\gamma$ -RAY EMISSION FROM THE GLOBULAR CLUSTER M13 WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 702, 266-269.	1.6	18
244	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tau\tau$ , in $\sqrt{s} = 13$ TeV $pp$ collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	18
245	H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy $\gamma$ -ray flare in PKS 1510-089 in May 2016. <i>Astronomy and Astrophysics</i> , 2021, 648, A23.	2.1	18
246	Probing the $Wtb$ vertex structure in $t$ -channel single-top-quark production and decay in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
247	Search for supersymmetry in events with $b$ -tagged jets and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
248	Measurement of the cross-section for producing a $W$ boson in association with a single top quark in $pp$ collisions at $\sqrt{s} = 13$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
249	Direct top-quark decay width measurement in the $t \rightarrow \tau \bar{\nu}_\tau$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2018, 78, 129.	1.4	17
250	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
251	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
252	Measurements of $W$ and $Z$ boson production in $pp$ collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	17

#	ARTICLE	IF	CITATIONS
253	Measurement of $W^{\pm}$ boson production in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ -ext {TeV}ext {V} with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
254	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
255	Search for the $HH \rightarrow \gamma\gamma$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
256	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
257	H.E.S.S. and <i>Fermi</i> -LAT observations of PSR B1259-63/LS 2883 during its 2014 and 2017 periastron passages. Astronomy and Astrophysics, 2020, 633, A102.	2.1	17
258	Longitudinal Flow Decorrelations in $pp$ Collisions at $\sqrt{s} = 2.76$ and $2.76 < \sqrt{s} < 2.76$ TeV. Physical Review Letters, 2021, 126, 122301.	2.9	17
259	Refined physical parameters for Chariklo's body and rings from stellar occultations observed between 2013 and 2020. Astronomy and Astrophysics, 2021, 652, A141.	2.1	17
260	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
261	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
262	Top-quark mass measurement in the all-hadronic $t \bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
263	Measurement of colour flow using jet-pull observables in $t \bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
264	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 152002.	2.9	16
265	Search for exclusive Higgs and Z boson decays to $t \bar{t}$ and $t \bar{t}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
266	Measurement of differential cross sections and $W^+/\bar{W}^+$ cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
267	Optical spectroscopy of blazars for the Cherenkov Telescope Array. Astronomy and Astrophysics, 2021, 650, A106.	2.1	16
268	A novel camera type for very high energy gamma-ray astronomy based on Geiger-mode avalanche photodiodes. Journal of Instrumentation, 2009, 4, P10010-P10010.	0.5	15
269	MAGIC observation of the GRB 080430 afterglow. Astronomy and Astrophysics, 2010, 517, A5.	2.1	15
270	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15



#	ARTICLE	IF	CITATIONS
271	Search for scalar resonances decaying into $\hat{1}/4 + \hat{1}/4 \hat{a}^{\sim}$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	15
272	H.E.S.S. and Suzaku observations of the Vela X pulsar wind nebula. <i>Astronomy and Astrophysics</i> , 2019, 627, A100.	2.1	15
273	H.E.S.S. detection of very high-energy $\gamma$ -ray emission from the quasar PKS 0736+017. <i>Astronomy and Astrophysics</i> , 2020, 633, A162.	2.1	15
274	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 917, 6.	1.6	15
275	MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3 in high emission state. <i>Astronomy and Astrophysics</i> , 2009, 498, 83-87.	2.1	15
276	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	15
277	Simultaneous multi-frequency observation of the unknown redshift blazar PG 1553+113 in March-April 2008. <i>Astronomy and Astrophysics</i> , 2010, 515, A76.	2.1	14
278	SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM PULSAR-PULSAR WIND NEBULA SYSTEMS WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 828-835.	1.6	14
279	DETECTION OF THE $\gamma$ -RAY BINARY LS I +61 $\hat{A}$ 303 IN A LOW-FLUX STATE AT VERY HIGH ENERGY $\gamma$ -RAYS WITH THE MAGIC TELESCOPES IN 2009. <i>Astrophysical Journal</i> , 2012, 746, 80.	1.6	14
280	Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7 $\hat{a}$ 3946. <i>Astrophysical Journal</i> , 2017, 840, 74.	1.6	14
281	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
282	Studies of $Z\hat{1}^3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
283	Measurement of $VH, \sqrt{s} \text{ } \mathit{H} \text{ } \mathit{b} \text{ } \overline{\mathit{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	14
284	Measurements of inclusive and differential fiducial cross-sections of $\sqrt{s} \text{ } \mathit{t} \text{ } \mathit{t} \text{ } \mathit{b} \text{ } \mathit{b}$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	14
285	Search for bottom-quark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	14
286	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	14
287	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	14
288	Search for $\sqrt{s} \text{ } \mathit{t} \text{ } \mathit{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	14

#	ARTICLE	IF	CITATIONS
289	An extreme particle accelerator in the Galactic plane: HESS J1826 $\hat{\sim}$ 130. <i>Astronomy and Astrophysics</i> , 2020, 644, A112.	2.1	14
290	Measurements of top-quark pair to Z-boson cross-section ratios at $s = 13 \sqrt{s} = 13 \sqrt{s}$ , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	13
291	Search for new phenomena in high-mass final states with a photon and a jet from $pp$ collisions at $\sqrt{s}$ s. <i>European Physical Journal C</i> , 2018, 78, 102.	1.4	13
292	Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars. <i>Astronomy and Astrophysics</i> , 2018, 612, A12.	2.1	13
293	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	13
294	Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.. <i>Physical Review D</i> , 2021, 103, .	1.6	13
295	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13 \sqrt{s} = 13 \sqrt{s}$ TeV $pp$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 144.	1.4	12
296	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	12
297	Extended VHE $\gamma$ -ray emission towards SGR1806 $\hat{\sim}$ 20, LBV 1806 $\hat{\sim}$ 20, and stellar cluster Cl* 1806 $\hat{\sim}$ 20. <i>Astronomy and Astrophysics</i> , 2018, 612, A11.	2.1	12
298	Detection of variable VHE $\gamma$ -ray emission from the extra-galactic $\gamma$ -ray binary LMC P3. <i>Astronomy and Astrophysics</i> , 2018, 610, L17.	2.1	12
299	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from $pp$ Collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. <i>Physical Review Letters</i> , 2019, 2, 9 122, 151801.		12
300	Observation of the associated production of a top quark and a Z boson in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	12
301	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	12
302	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8.16 \sqrt{s} = 8.16 \sqrt{s}$ TeV $p+Pb$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
303	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	12
304	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
305	First Bounds on the High-Energy Emission from Isolated Wolf-Rayet Binary Systems. <i>Astrophysical Journal</i> , 2008, 685, L71-L74.	1.6	11
306	A G-APD based Camera for Imaging Atmospheric Cherenkov Telescopes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 628, 107-110.	0.7	11

#	ARTICLE	IF	CITATIONS
307	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	1.4	11
308	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	11
309	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
310	Development in astronomy and space science in Africa. Nature Astronomy, 2018, 2, 507-510.	4.2	11
311	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
312	Measurement of the $Z\gamma o u \overline{u}\gamma$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
313	Measurement of the inclusive and fiducial $t\bar{t}\hat{A}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	1.4	10
314	Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.. Astrophysical Journal, 2021, 918, 17.	1.6	10
315	Measurement of $J/\psi$ production in association with a $W\hat{A}\pm$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
316	A SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM SCORPIUS X-1 WITH THE MAGIC TELESCOPES. Astrophysical Journal Letters, 2011, 735, L5.	3.0	9
317	Measurement of the $t\overline{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
318	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
319	Measurement of the ZZ production cross section in proton-proton collisions at $s=8$ TeV using the ZZ $\hat{A}^+ \hat{A}^-$ , $\hat{A}^+ \hat{A}^+$ , $\hat{A}^- \hat{A}^-$ and ZZ $\hat{A}^+ \hat{A}^-$ , $\hat{A}^+ \hat{A}^+$ , $\hat{A}^- \hat{A}^-$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		
320	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
321	Upper limits on very-high-energy gamma-ray emission from core-collapse supernovae observed with H.E.S.S.. Astronomy and Astrophysics, 2019, 626, A57.	2.1	9
322	Probing the Magnetic Field in the GW170817 Outflow Using H.E.S.S. Observations. Astrophysical Journal Letters, 2020, 894, L16.	3.0	9
323	Measurement of the $Z(\hat{A}^+ \hat{A}^-)$ production cross-section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
324	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8

#	ARTICLE	IF	CITATIONS
325	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
326	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
327	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
328	Measurement of $W^{\pm}$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
329	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
330	Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
331	High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope. Astronomy and Astrophysics, 2012, 544, A75.	2.1	8
332	The African Millimetre Telescope. , 2017, , .		8
333	AnoA: A Framework for Analyzing Anonymous Communication Protocols. Journal of Privacy and Confidentiality, 2017, 7, .	1.1	8
334	First Avalanche-photodiode camera test (FACT): A novel camera using G-APDs for the observation of very high-energy $\gamma$ -rays with Cherenkov telescopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 400-403.	0.7	7
335	FACT - The first G-APD Cherenkov telescope (first results). , 2012, , .		7
336	Periodicity detection in irregularly sampled light curves by robust regression and outlier detection. Statistical Analysis and Data Mining, 2013, 6, 73-89.	1.4	7
337	Threshold optimization for classification in imbalanced data in a problem of gamma-ray astronomy. Advances in Data Analysis and Classification, 2014, 8, 195-216.	0.9	7
338	A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations. Astronomy and Astrophysics, 2018, 612, A10.	2.1	7
339	Measurement of $a_u$ polarisation in $Z/\gamma \rightarrow u\bar{u}$ . European Physical Journal C, 2018, 78, 163.	1.4	7
340	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
341	Observations of the magnetars 4U 0142+61 and 1E 2259+586 with the MAGIC telescopes. Astronomy and Astrophysics, 2013, 549, A23.	2.1	7
342	Simultaneous observations of the blazar PKS 2155 $\sim$ 304 from ultra-violet to TeV energies. Astronomy and Astrophysics, 2020, 639, A42.	2.1	7

#	ARTICLE	IF	CITATIONS
343	First limits on the very-high energy gamma-ray afterglow emission of a fast radio burst. <i>Astronomy and Astrophysics</i> , 2017, 597, A115.	2.1	6
344	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	6
345	Measurement of ZZ production in the $\gamma\gamma\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	6
346	LMC N132D: A mature supernova remnant with a power-law gamma-ray spectrum extending beyond 8 TeV. <i>Astronomy and Astrophysics</i> , 2021, 655, A7.	2.1	6
347	Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during Its 2020 X-Ray and Radio Bursting Phase. <i>Astrophysical Journal</i> , 2021, 919, 106.	1.6	6
348	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 125, 251802.	2.9	6
349	H.E.S.S. Follow-up Observations of Binary Black Hole Coalescence Events during the Second and Third Gravitational-wave Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2021, 923, 109.	1.6	6
350	Results of the prototype camera for FACT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 639, 55-57.	0.7	5
351	FACT - The G-APD revolution in Cherenkov astronomy. , 2013, , .		5
352	Very high energy gamma-ray observation of the peculiar transient event Swift J1644+57 with the MAGIC telescopes and AGILE. <i>Astronomy and Astrophysics</i> , 2013, 552, A112.	2.1	5
353	H.E.S.S. observations of the flaring gravitationally lensed galaxy PKS 1830-211. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3886-3891.	1.6	5
354	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	5
355	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb <sup>-1</sup> of ATLAS data. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	5
356	Long-term monitoring of bright blazars with a dedicated Cherenkov telescope. , 2008, , .		4
357	MAGIC UPPER LIMITS FOR TWO MILAGRO-DETECTED BRIGHT FERMI SOURCES IN THE REGION OF SNR G65.1+0.6. <i>Astrophysical Journal</i> , 2010, 725, 1629-1632.	1.6	4
358	HESS J1741-302: a hidden accelerator in the Galactic plane. <i>Astronomy and Astrophysics</i> , 2018, 612, A13.	2.1	4
359	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019, 79, .	1.4	4
360	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
361	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
362	Search for top squarks in events with a Higgs or Z boson using $139\text{fb}^{-1}$ of pp collision data at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
363	Measurement of $S^0$ and $\Lambda^0$ production in $\text{tr}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	4
364	Evidence for $\hat{\nu}$ -ray emission from the remnant of Keplerâ€™s supernova based on deep H.E.S.S. observations. Astronomy and Astrophysics, 2022, 662, A65.	2.1	4
365	A MeerKAT, e-MERLIN, H.E.S.S., and <i>Swift</i> search for persistent and transient emission associated with three localized FRBs. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1365-1379.	1.6	4
366	G-APDs in Cherenkov astronomy: The FACT camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 96-99.	0.7	3
367	Measurement of the $k_t$ splitting scales in $Z \hat{\nu} \hat{\nu}$ events in pp collisions at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
368	VHE $\hat{\nu}$ -ray discovery and multi-wavelength study of the blazar 1ES 2322-409. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	3
369	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	3
370	Measurements of inclusive and differential cross-sections of combined $\overline{\text{t}}\gamma$ and $\text{t}\hat{\nu}$ production in the $e\hat{\nu}$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
371	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
372	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
373	Performance of the upgraded H.E.S.S. cameras. , 2018, , .		3
374	LONG-TERM MONITORING OF BRIGHT BLAZARS WITH A DEDICATED CHERENKOV TELESCOPE. International Journal of Modern Physics D, 2009, 18, 1645-1649.	0.9	2
375	Centaurus A: Hard X-ray and High-Energy Gamma-Ray Light Curve Correlation. Galaxies, 2019, 7, 44.	1.1	2
376	Long-term spectral and temporal behavior of the high-frequency peaked BL LAC object 1ES 1959+650. , 2012, , .		1
377	Electronics for the camera of the First G-APD Cherenkov Telescope (FACT) for ground based gamma-ray astronomy. Journal of Instrumentation, 2012, 7, C01073-C01073.	0.5	1
378	The H.E.S.S. multi-messenger program: Searches for TeV gamma-ray emission associated with high-energy neutrinos. AIP Conference Proceedings, 2017, , .	0.3	1

#	ARTICLE	IF	CITATIONS
379	Millimeter-Wave Monitoring of Active Galactic Nuclei with the Africa Millimetre Telescope. <i>Galaxies</i> , 2019, 7, 66.	1.1	1
380	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.		1
381	Assessing uncertainties in the predicted very high energy flux of globular clusters in the Cherenkov Telescope Array era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4827-4836.	1.6	1
382	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , hbox {TeV}) with the ATLAS detector. , 2018, 78, 1.		1
383	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using protonâ€“proton collisions at ( $\sqrt{s}=13$ ,ext {TeV}). , 2018, 78, 1.		1
384	A status report: FACT â€“ a fact!. <i>Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applications</i> , 2012, , 29-33.	0.1	1
385	Current Status of the Namibian bid to host the Cherenkov Telescope Array. , 2016, , .		1
386	H.E.S.S. observations following multi-messenger alerts in real-time. , 2017, , .		1
387	FACT: A novel camera for Cherenkov telescopes for ground-based gamma-ray astronomy. , 2011, , .		0
388	Long term VHE gamma ray monitoring of bright blazars with a dedicated Cherenkov telescope. , 2009, , .		0
389	H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud<i>(Corrigendum)</i>. <i>Astronomy and Astrophysics</i> , 2015, 580, C1.	2.1	0
390	Hardware and software architecture of the upgraded H.E.S.S. cameras. , 2017, , .		0
391	Centaurus A: Hard X-ray and soft gamma-ray lightcurve correlation. , 2018, , .		0
392	Dark sky tourism and sustainable development in Namibia. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 360-362.	0.0	0