

Takashi Honda

List of Publications by Year in descending order

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Version: 2024-02-01

218
papers

7,905
citations

46918

47
h-index

71532

76
g-index

228
all docs

228
docs citations

228
times ranked

9838
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrochlore oxide $\text{Hg}_2\text{Os}_2\text{O}_7$ on verge of metal-insulator boundary. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 135602.	0.7	2
2	High-Pressure Synthesis of Transition-Metal Oxyhydrides with Double-Perovskite Structures. <i>Inorganic Chemistry</i> , 2022, 61, 2010-2016.	1.9	2
3	Averaged and Local Structure Analysis of Hydrogen Storage Materials by High Intensity Neutron Total Diffractometer, NOVA. <i>Nihon Kessho Gakkaishi</i> , 2022, 64, 174-177.	0.0	0
4	Stabilization Factor of Anion-Excess Fluorite Phase for Fast Anion Conduction. <i>Chemistry of Materials</i> , 2021, 33, 1867-1874.	3.2	10
5	Magnetic Pair Distribution Function of Spin-glass System $\text{Mn}_{0.5}\text{Fe}_{0.5}\text{TiO}_3$. , 2021, , .		2
6	Strong anharmonicity in tin monosulfide evidenced by local distortion, high-energy optical phonons, and anharmonic potential. <i>Physical Review B</i> , 2021, 103, .	1.1	5
7	Magnetic Structure of Short-Range Ordering in Intermetallic Antiferromagnet Mn_3RhSi . <i>Journal of the Physical Society of Japan</i> , 2021, 90, 074710.	0.7	1
8	Generating Mechanism of Catalytic Effect for Hydrogen Absorption/Desorption Reactions in $\text{NaAlH}_4\text{-TiCl}_3$. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8349.	1.3	4
9	Polar nano-region structure in the oxynitride perovskite LaTiO_2N . <i>Chemical Communications</i> , 2020, 56, 1385-1388.	2.2	7
10	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. <i>Nature Communications</i> , 2020, 11, 5923.	5.8	20
11	Topological metastability supported by thermal fluctuation upon formation of chiral soliton lattice in CrNb_3S_6 . <i>Scientific Reports</i> , 2020, 10, 18596.	1.6	10
12	Reversible thermally controlled spontaneous magnetization switching in perovskite-type manganite. <i>Applied Physics Letters</i> , 2020, 117, 112404.	1.5	3
13	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	28
14	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	8
15	Measurements of top-quark pair spin correlations in the e^+e^- 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
16	Observation of Chiral Magnetic Soliton Lattice State in CrNb_3S_6 by Coherent Soft X-ray Diffraction Imaging. , 2020, , .		4
17	Crystal Structural Investigations for Understanding the Hydrogen Storage Properties of YMgNi_4 -Based Alloys. <i>ACS Omega</i> , 2020, 5, 31192-31198.	1.6	22
18	Structural Studies of Hydrogen Storage Materials with Neutron Diffraction: A Review. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 051001.	0.7	7

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19	Titanium Hydride Complex BaCa ₂ Ti ₂ H ₁₄ with 9-Fold Coordination. Inorganic Chemistry, 2020, 59, 4228-4233.	1.9	6
20	Development and application of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e550" altimg="si44.svg" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{He Neutron Spin Filter at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164301.$	0.7	18
21	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s}=8$ and 13 TeV. European Physical Journal C, 2020, 80, 1.	1.4	5
22	Measurement of J/ψ production in association with a W^\pm boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
23	High-pressure Synthesis of Ba ₂ CoO ₂ Ag ₂ Te ₂ with Extended CoO ₂ Planes. Inorganic Chemistry, 2020, 59, 8121-8126.	1.9	9
24	Strong lattice anharmonicity exhibited by the high-energy optical phonons in thermoelectric material. New Journal of Physics, 2020, 22, 083083.	1.2	11
25	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. European Physical Journal C, 2020, 80, 1.	1.4	124
26	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
27	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	49
28	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
29	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	21
30	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
31	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	41
32	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	30
33	Search for scalar resonances decaying into $\eta/\eta' + \eta/\eta'$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
34	Positive Weiss Temperature in Layered Antiferromagnetic FeNiN for High-Performance Permanent Magnets. ACS Applied Nano Materials, 2019, 2, 6909-6917.	2.4	7
35	Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
36	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, 1.	1.4	4

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37	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, .	1.4	21
38	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
39	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. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
40	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
41	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
42	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe) ₂ . Inorganic Chemistry Frontiers, 2019, 6, 3146-3151.	3.0	6
43	Isotropic magnetoelectric effect in $\text{O}(\text{Tb})_5$ studied by resonant x-ray scattering. Physical Review B, 2019, 100, .	1.1	1
44	Quantum dynamics of hydrogen in the iron-based superconductor LaFeAsO_x measured with inelastic neutron spectroscopy. Physical Review B, 2019, 99, .		
45	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
46	Search for top-quark decays $t \rightarrow Hq$ with 36 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19
47	Measurement of $VH, \text{H} \rightarrow \text{b}\bar{\text{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
48	Characteristic fast H ⁺ ion conduction in oxygen-substituted lanthanum hydride. Nature Communications, 2019, 10, 2578.	5.8	70
49	Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
50	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
51	Measurements of inclusive and differential fiducial cross-sections of $\text{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	1.4	14
52	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	0.5	37
53	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
54	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. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39

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55	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	28
56	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	46
57	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
58	Measurement of the top quark mass in the $t \rightarrow t \bar{t} \hat{A}^+$. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	47
59	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
60	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	25
61	Nephelauxetic effect of the hydride ligand in $\text{Sr}_2\text{LiSiO}_4\text{H}$ as a host material for rare-earth-activated phosphors. <i>RSC Advances</i> , 2019, 9, 5282-5287.	1.7	15
62	Zeolitic Intermetallics: LnNiSi ($\text{Ln} = \text{La-Nd}$). <i>Journal of the American Chemical Society</i> , 2019, 141, 3376-3379.	6.6	27
63	Measurement of the top-quark mass in $t + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	27
64	Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	24
65	Measurement of ZZ production in the $\gamma\gamma$ 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
66	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	8
67	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
68	Average and local structures of \bar{t} -phase CeZrO_4 crystals by neutron powder diffraction. <i>CrystEngComm</i> , 2019, 21, 6335-6339.	1.3	1
69	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
70	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb^{-1} of ATLAS data. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	5
71	Measurement of S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	4
72	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $s = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	116

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73	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. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
74	Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	1.4	218
75	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at \sqrt{s} s. European Physical Journal C, 2018, 78, 102.	1.4	13
76	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. European Physical Journal C, 2018, 78, 154.	1.4	52
77	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	1.4	59
78	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
79	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	1.4	20
80	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
81	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
82	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
83	Search for heavy resonances decaying into WW in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
84	Direct top-quark decay width measurement in the $t \rightarrow b \tau^+ \nu_\tau$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
85	Search for WW/Z resonance production in $q\bar{q}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
86	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\mu$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
87	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
88	Measurement of the $Z\gamma \rightarrow u\bar{u}\gamma$ 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
89	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19
90	Search for Higgs boson pair production in the $\gamma\gamma \rightarrow WW^* \rightarrow W\gamma$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53

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91	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13, \sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
92	Angular analysis of $B_0 \rightarrow \mu^+\mu^-\gamma$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
93	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at. European Physical Journal C, 2018, 78, 401.	1.4	50
94	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
95	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
96	Search for Higgs boson pair production in the $\gamma\gamma$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
97	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. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
98	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}_{NN} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
99	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 903.	1.4	181
100	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
101	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	56
102	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
103	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. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
104	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	22
105	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
106	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
107	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
108	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$, in the τ^{\pm} +jets and τ^{\pm} +lepton final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59

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109	Nanoscale ice-type structural fluctuation in spinel titanates. <i>Physical Review B</i> , 2018, 98, .	1.1	11
110	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02-TeV Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018, 78, 762.	1.4	61
111	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
112	Search for exclusive Higgs and Z boson decays to $\tilde{\chi}^0\tilde{\chi}^0$ and $\tilde{\chi}^\pm\tilde{\chi}^\mp$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	16
113	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	40
114	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
115	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. <i>European Physical Journal C</i> , 2018, 78, 487.	1.4	10
116	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 565.	1.4	79
117	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 625.	1.4	27
118	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
119	Elastic and dynamical structural properties of La and Mn-doped SrTiO ₃ studied by neutron scattering and their relation with thermal conductivities. <i>Scientific Reports</i> , 2018, 8, 9651.	1.6	7
120	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
121	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 18.	1.4	60
122	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. <i>European Physical Journal C</i> , 2018, 78, 199.	1.4	132
123	AgFeOF ₂ : A Fluorine-Rich Perovskite Oxyfluoride. <i>Inorganic Chemistry</i> , 2018, 57, 6686-6691.	1.9	20
124	Measurement of $\sigma(\gamma^* \rightarrow \mu\mu)$, polarisation in $Z/\gamma^* \rightarrow \mu\mu$. <i>European Physical Journal C</i> , 2018, 78, 163.	1.4	7
125	Searches for heavy ZZ and ZW resonances in the $\mu\mu, \tau\tau$ and $\mu\tau$ final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	29
126	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

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127	Phase transition in CaFeAsH: bridging 1111 and 122 iron-based superconductors. Dalton Transactions, 2018, 47, 12964-12971.	1.6	1
128	Magnetoelectric inversion of domain patterns. Nature, 2018, 560, 466-470.	13.7	32
129	Measurement of differential cross sections and W^+W^{\pm} 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
130	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 fb^{-1} of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.		1
131	Measurement of the W-boson mass in pp collisions at ($\sqrt{s}=7, \text{hbox {TeV}}$) with the ATLAS detector. , 2018, 78, 1.		1
132	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ($\sqrt{s}=13, \text{ext {TeV}}$). , 2018, 78, 1.		1
133	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $s = 13 \sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
134	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
135	Measurement of the W boson polarisation in $t \bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	1.4	37
136	Coupled multiferroic domain switching in the canted conical spin spiral system Mn ₂ GeO ₄ . Nature Communications, 2017, 8, 15457.	5.8	17
137	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
138	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	27
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