

Kuhan Wang

List of Publications by Year in descending order

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54
papers

5,279
citations

101543

36
h-index

161849

54
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54
all docs

54
docs citations

54
times ranked

7697
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the $\sigma(\text{t}\bar{\text{t}}\text{Z})$ and $\sigma(\text{t}\bar{\text{t}}\text{W})$ production cross sections in multilepton final states using 3.2 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
2	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp -collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	3.9	29
3	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.	3.9	11
4	Measurement of the W boson polarisation in $\text{t}\bar{\text{t}}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+ t jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
5	Measurements of top-quark pair differential cross-sections in the $\text{e}\bar{\nu}_e$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	3.9	27
6	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
7	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
8	Search for triboson W^+W^-W production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
9	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
10	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. European Physical Journal C, 2017, 77, 531.	3.9	56
11	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 361.	3.9	47
12	Precision measurement and interpretation of inclusive W^+W^- . European Physical Journal C, 2017, 77, 367.	3.9	145
13	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. Journal of Instrumentation, 2016, 11, P11020-P11020.	1.2	10
14	Measurement of event-shape observables in $Z \rightarrow \ell^+\ell^-$ events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	3.9	15
15	Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
16	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
17	Search for minimal supersymmetric standard model Higgs Bosons H/\AA and for a Z' boson in the $\text{e}\bar{\nu}_e$ final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
18	Measurement of the $\text{b}\bar{\text{b}}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12

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19	Muon reconstruction performance of the ATLAS detector in proton–proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	3.9	453
20	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	3.9	48
21	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	3.9	31
22	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
23	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 87.	3.9	39
24	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	3.9	10
25	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43
26	Search for Higgs and Z Boson Decays to $\tau\tau$ with the ATLAS Detector. Physical Review Letters, 2015, 117, 111802.	7.8	13
27	Production Cross Section in pp Collisions at $\sqrt{s} = 8$ TeV. Observation of Long-Range Elliptic Azimuthal Anisotropies in pp Collisions with the ATLAS Detector. Physical Review Letters, 2016, 116, 172301.	7.8	31
28	Production Cross Section in pp Collisions with the ATLAS Detector. Physical Review Letters, 2016, 116, 172301.	7.8	228
29	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
30	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	3.9	298
31	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 13$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2016, 117, 182002.	7.8	185
32	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	3.9	51
33	Measurement of the transverse momentum and p_T distributions of Drell–Yan lepton pairs in proton–proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
34	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
35	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
36	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.	3.9	11

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37	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
38	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
39	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
40	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
41	Measurements of fiducial cross-sections for $t\bar{t}\hat{A}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
42	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \hat{A}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{A}^+ J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
43	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ H \hat{A}^+ Z Z$ decay channel at $\sqrt{s} = 8 \text{ TeV}$ in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
44	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	7.8	27
45	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 11.	7.8	23
46	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 11.	7.8	49
47	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7, 8 \text{ TeV}$ with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	7.8	23
48	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	7.8	1,062
49	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	3.9	27
50	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu u \bar{u} W W \hat{A}^+ \hat{A}^+$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
51	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell \ell \ell \ell / \ell \ell u \bar{u} + b \bar{b} \hat{A}^+ \hat{A}^+, \ell \ell \ell \ell / \ell \ell \ell \ell + b \bar{b} \hat{A}^+ \hat{A}^+$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
52	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}\hat{A}$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123
53	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	3.9	56
54	Measurement of the top quark mass in the $t\bar{t} \rightarrow \text{lepton+jets} t\bar{t} \hat{A}^+ \hat{A}^+$ dilepton channels using $\sqrt{s} = 7 \text{ TeV}$ ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52