

Miriam Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

3,386
citations

117625

34
h-index

144013

57
g-index

68
all docs

68
docs citations

68
times ranked

8142
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8$ – 8 TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
2	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton–proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213
3	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton–proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
4	Biogeochemical weathering under ice: Size matters. Global Biogeochemical Cycles, 2010, 24, .	4.9	170
5	Effects of Basal Debris on Glacier Flow. Science, 2003, 301, 81-84.	12.6	146
6	Geodetic mass balance of the western Svartisen ice cap, Norway, in the periods 1968–1985 and 1985–2002. Annals of Glaciology, 2009, 50, 119-125.	1.4	136
7	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123
8	Searches for scalar leptoquarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
9	The marginal shear stress of Ice Stream B, West Antarctica. Journal of Glaciology, 1997, 43, 415-426.	2.2	95
10	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
11	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
12	Phosphorus flows through the Australian food system: Identifying intervention points as a roadmap to phosphorus security. Environmental Science and Policy, 2013, 29, 87-102.	4.9	84
13	Soft-bed experiments beneath Engabreen, Norway: regelation infiltration, basal slip and bed deformation. Journal of Glaciology, 2007, 53, 323-340.	2.2	82
14	Rock comminution as a source of hydrogen for subglacial ecosystems. Nature Geoscience, 2015, 8, 851-855.	12.9	82
15	Rheology of ice at the bed of Engabreen, Norway. Journal of Glaciology, 2000, 46, 611-621.	2.2	77
16	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
17	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
18	Characterization of dissolved organic matter (DOM) from glacial environments using total fluorescence spectroscopy and parallel factor analysis. Annals of Glaciology, 2010, 51, 111-122.	1.4	70

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19	The marginal shear stress of Ice Stream B, West Antarctica. <i>Journal of Glaciology</i> , 1997, 43, 415-426.	2.2	67
20	Debris-bed friction of hard-bedded glaciers. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
21	Velocity pattern in a transect across Ice Stream B, Antarctica. <i>Journal of Glaciology</i> , 1993, 39, 562-572.	2.2	58
22	Role of transient water pressure in quarrying: A subglacial experiment using acoustic emissions. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	54
23	The radiobiological effect of intra-fraction dose-rate modulation in intensity modulated radiation therapy (IMRT). <i>Physics in Medicine and Biology</i> , 2008, 53, 3567-3578.	3.0	54
24	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 11.	3.9	54
25	A case of canine <i>Angiostrongylus vasorum</i> in Scotland confirmed by PCR and sequence analysis. <i>Journal of Small Animal Practice</i> , 2009, 50, 255-259.	1.2	52
26	The effects of entrained debris on the basal sliding stability of a glacier. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 656-666.	2.8	47
27	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 55.	3.9	43
28	Polysaccharide storage myopathy phenotype in quarter horse-related breeds is modified by the presence of an RYR1 mutation. <i>Neuromuscular Disorders</i> , 2009, 19, 37-43.	0.6	42
29	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 466.	3.9	42
30	Distributed mass-balance and climate sensitivity modelling of Engabreen, Norway. <i>Annals of Glaciology</i> , 2005, 42, 395-401.	1.4	41
31	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3117.	3.9	40
32	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8\text{ TeV}$. <i>European Physical Journal C</i> , 2016, 76, 12.	3.9	39
33	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8\text{ TeV}$. <i>European Physical Journal C</i> , 2016, 76, 87.	3.9	39
34	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s}=8\text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 362.	3.9	36
35	Investigations on intra-annual elevation changes using multi-temporal airborne laser scanning data: case study Engabreen, Norway. <i>Annals of Glaciology</i> , 2005, 42, 195-201.	1.4	33
36	Characteristics of subglacial drainage systems deduced from load-cell measurements. <i>Journal of Glaciology</i> , 2006, 52, 137-148.	2.2	30

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37	Results and complications of a novel technique for primary castration with an inguinal approach in horses. <i>Equine Veterinary Journal</i> , 2009, 41, 547-551.	1.7	29
38	Determining in vivo sternoclavicular, acromioclavicular and glenohumeral joint centre locations from skin markers, CT-scans and intracortical pins: A comparison study. <i>Medical Engineering and Physics</i> , 2016, 38, 290-296.	1.7	29
39	The feasibility study and characterization of a two-dimensional diode array in a magnetic phantom for high dose rate brachytherapy quality assurance. <i>Medical Physics</i> , 2013, 40, 111702.	3.0	28
40	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015, 75, 407.	3.9	27
41	Visualization methods for understanding the dynamic electroadhesion phenomenon. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 205304.	2.8	27
42	Distribution of snow accumulation on the Svartisen ice cap, Norway, assessed by a model of orographic precipitation. <i>Hydrological Processes</i> , 2008, 22, 3998-4008.	2.6	26
43	The use of a silicon strip detector dose magnifying glass in stereotactic radiotherapy QA and dosimetry. <i>Medical Physics</i> , 2011, 38, 1226-1238.	3.0	24
44	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 2982.	3.9	22
45	A Nonlinear Statistical Model for Extracting a Climatic Signal From Glacier Mass Balance Measurements. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2228-2242.	2.8	20
46	Toll-like receptor-associated sequence variants and prostate cancer risk among men of African descent. <i>Genes and Immunity</i> , 2013, 14, 347-355.	4.1	19
47	Avalanche decision-making frameworks: Classification and description of underlying factors. <i>Cold Regions Science and Technology</i> , 2020, 169, 102903.	3.5	16
48	Interannual variability of glacier basal pressure from a 20 year record. <i>Annals of Glaciology</i> , 2015, 56, 33-44.	1.4	14
49	A comparison of proton therapy and IMRT treatment plans for prostate radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2008, 31, 325-331.	1.3	13
50	Velocity measurements on Engabreen, Norway. <i>Annals of Glaciology</i> , 2005, 42, 29-34.	1.4	10
51	The influence of drainage boundaries on specific mass-balance results: a case study of Engabreen, Norway. <i>Annals of Glaciology</i> , 2009, 50, 135-140.	1.4	10
52	In-Field Implementation of a Recombinant Factor C Assay for the Detection of Lipopolysaccharide as a Biomarker of Extant Life within Glacial Environments. <i>Biosensors</i> , 2012, 2, 83-100.	4.7	10
53	Glacier slip and seismicity induced by surface melt. <i>Geology</i> , 2013, 41, 1247-1250.	4.4	10
54	Velocity pattern in a transect across Ice Stream B, Antarctica. <i>Journal of Glaciology</i> , 1993, 39, 562-572.	2.2	9

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55	A prospective study of surgical patterns of care for high grade glioma in the current era of multimodality therapy. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 227-231.	1.5	8
56	Comparative Assessment of Volume Change in Kolahoi and Chhota Shigri Glaciers, Western Himalayas, Using Empirical Techniques. <i>Journal of Climate Change</i> , 2017, 3, 37-48.	0.5	8
57	A risk stratification model to predict adverse neonatal outcome in labor. <i>Journal of Perinatology</i> , 2013, 33, 914-918.	2.0	7
58	Analysis of the first jǫrkulhlaup at Bláymannsisen, northern Norway, and implications for future events. <i>Annals of Glaciology</i> , 2005, 42, 35-41.	1.4	6
59	Stress Redistribution Explains Anti-correlated Subglacial Pressure Variations. <i>Frontiers in Earth Science</i> , 2018, 5, .	1.8	6
60	Feasibility study of a novel multi-strip silicon detector for use in proton therapy range verification quality assurance. <i>Radiation Measurements</i> , 2017, 106, 378-384.	1.4	4
61	Demonstration of a multi-technique approach to assess glacial microbial populations in the field. <i>Journal of Glaciology</i> , 2016, 62, 348-358.	2.2	3
62	Basal conditions at Engabreen, Norway, inferred from surface measurements and inverse modelling. <i>Journal of Glaciology</i> , 2018, 64, 555-567.	2.2	2
63	A self-checking fiber optic dosimeter for monitoring common errors in brachytherapy applications. <i>Medical Physics</i> , 2009, 36, 2985-2991.	3.0	1
64	Robson, Benjamin Aubrey, 2016. The Application of Remote Sensing Techniques for the Quantification and Change Assessment of Debris-covered Glaciers. <i>Norsk Geografisk Tidsskrift</i> , 2017, 71, 62-63.	0.7	1
65	Velocity Patterns and Elevations On Ice Stream B. <i>Annals of Glaciology</i> , 1990, 14, 341.	1.4	0
66	Velocity Patterns and Elevations On Ice Stream B. <i>Annals of Glaciology</i> , 1990, 14, 341-341.	1.4	0