

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 | Avalanche decision-making frameworks: Classification and description of underlying factors. Cold Regions Science and Technology, 2020, 169, 102903. | 3.5 | 16 |
| 2 | A Nonlinear Statistical Model for Extracting a Climatic Signal From Glacier Mass Balance Measurements. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2228-2242. | 2.8 | 20 |
| 3 | Basal conditions at Engabreen, Norway, inferred from surface measurements and inverse modelling. Journal of Glaciology, 2018, 64, 555-567. | 2.2 | 2 |
| 4 | Stress Redistribution Explains Anti-correlated Subglacial Pressure Variations. Frontiers in Earth Science, 2018, 5, . | 1.8 | 6 |
| 5 | Visualization methods for understanding the dynamic electroadhesion phenomenon. Journal Physics D: Applied Physics, 2017, 50, 205304. | 2.8 | 27 |
| 6 | Robson, Benjamin Aubrey, 2016. The Application of Remote Sensing Techniques for the Quantification and Change Assessment of Debris-covered Glaciers. Norsk Geografisk Tidsskrift, 2017, 71, 62-63. | 0.7 | 1 |
| 7 | Feasibility study of a novel multi-strip silicon detector for use in proton therapy range verification quality assurance. Radiation Measurements, 2017, 106, 378-384. | 1.4 | 4 |
| 8 | Comparative Assessment of Volume Change in Kolahoi and Chhota Shigri Glaciers, Western Himalayas, Using Empirical Techniques. Journal of Climate Change, 2017, 3, 37-48. | 0.5 | 8 |
| 9 | Search for flavour-changing neutral current top-quark decays to $\bar{q}Z$ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12. | 3.9 | 39 |
| 10 | 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 |
| 11 | Demonstration of a multi-technique approach to assess glacial microbial populations in the field. Journal of Glaciology, 2016, 62, 348-358. | 2.2 | 3 |
| 12 | 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 |
| 13 | Determining in vivo sternoclavicular, acromioclavicular and glenohumeral joint centre locations from skin markers, CT-scans and intracortical pins: A comparison study. Medical Engineering and Physics, 2016, 38, 290-296. | 1.7 | 29 |
| 14 | Measurements of fiducial cross-sections for $t\bar{t}\hat{A}^-$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11. | 3.9 | 54 |
| 15 | Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55. | 3.9 | 43 |
| 16 | Interannual variability of glacier basal pressure from a 20 year record. Annals of Glaciology, 2015, 56, 33-44. | 1.4 | 14 |
| 17 | Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407. | 3.9 | 27 |
| 18 | Measurements of the W^+W^- production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82. | 3.9 | 92 |

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|----|--|------|-----------|
| 19 | Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 92. | 3.9 | 77 |
| 20 | 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. <i>European Physical Journal C</i> , 2015, 75, 412. | 3.9 | 90 |
| 21 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 299. | 3.9 | 238 |
| 22 | Rock comminution as a source of hydrogen for subglacial ecosystems. <i>Nature Geoscience</i> , 2015, 8, 851-855. | 12.9 | 82 |
| 23 | 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. <i>European Physical Journal C</i> , 2015, 75, 349. | 3.9 | 123 |
| 24 | Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 362. | 3.9 | 36 |
| 25 | 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 |
| 26 | Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014, 74, 3130. | 3.9 | 213 |
| 27 | Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3117. | 3.9 | 40 |
| 28 | Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014, 74, 2941. | 3.9 | 204 |
| 29 | Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 2982. | 3.9 | 22 |
| 30 | Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3023. | 3.9 | 77 |
| 31 | Phosphorus flows through the Australian food system: Identifying intervention points as a roadmap to phosphorus security. <i>Environmental Science and Policy</i> , 2013, 29, 87-102. | 4.9 | 84 |
| 32 | 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 |
| 33 | Glacier slip and seismicity induced by surface melt. <i>Geology</i> , 2013, 41, 1247-1250. | 4.4 | 10 |
| 34 | A risk stratification model to predict adverse neonatal outcome in labor. <i>Journal of Perinatology</i> , 2013, 33, 914-918. | 2.0 | 7 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Characterization of dissolved organic matter (DOM) from glacial environments using total fluorescence spectroscopy and parallel factor analysis. <i>Annals of Glaciology</i> , 2010, 51, 111-122. | 1.4 | 70 |
| 41 | Biogeochemical weathering under ice: Size matters. <i>Global Biogeochemical Cycles</i> , 2010, 24, . | 4.9 | 170 |
| 42 | A self-checking fiber optic dosimeter for monitoring common errors in brachytherapy applications. <i>Medical Physics</i> , 2009, 36, 2985-2991. | 3.0 | 1 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | Geodetic mass balance of the western Svartisen ice cap, Norway, in the periods 1968-1985 and 1985-2002. <i>Annals of Glaciology</i> , 2009, 50, 119-125. | 1.4 | 136 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Soft-bed experiments beneath Engabreen, Norway: regelation infiltration, basal slip and bed deformation. <i>Journal of Glaciology</i> , 2007, 53, 323-340. | 2.2 | 82 |
| 52 | 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 |
| 53 | Characteristics of subglacial drainage systems deduced from load-cell measurements. <i>Journal of Glaciology</i> , 2006, 52, 137-148. | 2.2 | 30 |
| 54 | Analysis of the first j rkuhlh up at Bl ymannsisen, northern Norway, and implications for future events. <i>Annals of Glaciology</i> , 2005, 42, 35-41. | 1.4 | 6 |

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|----|--|------|-----------|
| 55 | Distributed mass-balance and climate sensitivity modelling of Engabreen, Norway. <i>Annals of Glaciology</i> , 2005, 42, 395-401. | 1.4 | 41 |
| 56 | Velocity measurements on Engabreen, Norway. <i>Annals of Glaciology</i> , 2005, 42, 29-34. | 1.4 | 10 |
| 57 | 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 |
| 58 | Debris-bed friction of hard-bedded glaciers. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 59 |
| 59 | Effects of Basal Debris on Glacier Flow. <i>Science</i> , 2003, 301, 81-84. | 12.6 | 146 |
| 60 | Rheology of ice at the bed of Engabreen, Norway. <i>Journal of Glaciology</i> , 2000, 46, 611-621. | 2.2 | 77 |
| 61 | The marginal shear stress of Ice Stream B, West Antarctica. <i>Journal of Glaciology</i> , 1997, 43, 415-426. | 2.2 | 95 |
| 62 | The marginal shear stress of Ice Stream B, West Antarctica. <i>Journal of Glaciology</i> , 1997, 43, 415-426. | 2.2 | 67 |
| 63 | Velocity pattern in a transect across Ice Stream B, Antarctica. <i>Journal of Glaciology</i> , 1993, 39, 562-572. | 2.2 | 9 |
| 64 | Velocity pattern in a transect across Ice Stream B, Antarctica. <i>Journal of Glaciology</i> , 1993, 39, 562-572. | 2.2 | 58 |
| 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 |