# John A Matthews

## List of Publications by Year in descending order



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|---|---|---|---|
| 152 papers | 6,575 citations | 57758 44 h-index | 76900 74 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 3846 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The â€˜little ice ageâ€™: reâ€evaluation of an evolving concept. Geografiska Annaler, Series A: Physical Geography, 2005, 87, 17-36. | 1.5 | 423 |
| 2 | Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914. | 12.6 | 303 |
| 3 | Holocene glacier fluctuations of Flatebreen and winter-precipitation changes in the Jostedalsbreen region, western Norvay, based on glaciolacustrine sediment records. Holocene, 2001, 11, 267-280. | 1.7 | 275 |
| 4 | Norwegian mountain glaciers in the past, present and future. Global and Planetary Change, 2008, 60, 10-27. | 3.5 | 213 |
| 5 | The status of the â€˜Little Ice Ageâ€™ in southern Norway: relativeâ€age dating of Neoglacial moraines with Schmidt hammer and lichenometry. Boreas, 1984, 13, 333-346. | 2.4 | 166 |
| 6 | Holocene glacier variations in central Jotunheimen, southern Norway based on distal glaciolacustrine sediment cores. Quaternary Science Reviews, 2000, 19, 1625-1647. | 3.0 | 152 |
| 7 | â€˜Little Ice Ageâ€™ glacier variations in Jotunheimen, southern Norwvay: a study in regionally controlled lichenometric dating of recessional moraines with implications for climate and lichen growth rates. Holocene, 2005, 15, 1-19. | 1.7 | 143 |
| 8 | Multiple Galactic Sources with Emission Above 56ÂTeV Detected by HAWC. Physical Review Letters, 2020, 124, 021102. | 7.8 | 143 |
| 9 | Vegetation Succession on the Storbreen Glacier Foreland, Jotunheimen, Norway: A Review. Arctic and Alpine Research, 1987, 19, 385. | 1.3 | 133 |
| 10 | The lacustrine sedimentary sequence in Sygneskardvatnet, western Norway: a continuous, high-resolution record of the Jostedalsbreen ice cap during the Holocene. Quaternary Science Reviews, 2000, 19, 1047-1065. | 3.0 | 132 |
| 11 | â€˜Little ice ageâ€™ variations of outlet glaciers from the jostedalsbreen ice-cap, Southern Norway: A regional lichenometric-dating study of ice-marginal moraine sequences and their climatic significance. Journal of Quaternary Science, 1993, 8, 45-66. | 2.1 | 128 |
| 12 | Timing, equilibrium-line altitudes and climatic implications of two early-Holocene glacier readvances during the Erdalen Event at Jostedalsbreen, western Norway. Holocene, 2002, 12, 17-25. | 1.7 | 115 |
| 13 | Holocene glacier variation chronology of the SmÃ¸rstabbtindan massif, Jotunheimen, southern Norway, and the recognition of century- to millennial-scale European Neoglacial Events. Holocene, 2008, 18, 181-201. | 1.7 | 103 |
| 14 | The Schmidt hammer as a relative-age dating tool and its potential for calibrated-age dating in Holocene glaciated environments. Quaternary Science Reviews, 2006, 25, 2846-2867. | 3.0 | 100 |
| 15 | 3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76. | 4.5 | 99 |
| 16 | The late Neoglacial ('Little Ice Age') glacier maximum in southern Norway : new 14C-dating evidence and climatic implications. Holocene, 1991, 1, 219-233. | 1.7 | 93 |
| 17 | Asynchronous neoglaciation and Holocene climatic change reconstructed from Norwegian glaciolacustrine sedimentary sequences. Geology, 1992, 20, 991. | 4.4 | 83 |
| 18 | Holocene glacier history of BjÃ¸rnbreen and climatic reconstruction in central Jotunheimen, Norway, based on proximal glaciofluvial stream-bank mires. Quaternary Science Reviews, 2005, 24, 67-90. | 3.0 | 83 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Periglacial patterned ground on the Styggedalsbreen glacier foreland, Jotunheimen, southern Norway: micro-topographic, paraglacial and geoecological controls. Permafrost and Periglacial Processes, 1998, 9, 147-166. | 3.4 | 80 |
| 20 | Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. Nature, 2018, 562, 82-85. | 27.8 | 75 |
| 21 | On the accuracy of lichenometric dates: an assessment based on the 'Little Ice Age' moraine sequence of Nigardsbreen, southern Norway. Holocene, 1992, 2, 227-237. | 1.7 | 67 |
| 22 | Lake shoreline development, frost weathering and rock platform erosion in an alpine periglacial environment, Jotunheimen, southern Norway. Boreas, 1986, 15, 33-50. | 2.4 | 67 |
| 23 | A Study of the Variability of Some Successional and Climax Plant Assemblage-Types Using Multiple Discriminant Analysis. Journal of Ecology, 1979, 67, 255. | 4.0 | 65 |
| 24 | Rock glaciers, protalus ramparts and related phenomena, Rondane, Norway: a continuum of largeâ€scale talusâ€derived landforms. Boreas, 1987, 16, 305-317. | 2.4 | 64 |
| 25 | Cyclic Development and Thermokarstic Degradation of Palsas in the Mid-Alpine Zone at Leirpullan, Dovrefjell, Southern Norway. Permafrost and Periglacial Processes, 1997, 8, 107-122. | 3.4 | 62 |
| 26 | Holocene fluctuations of a polythermal glacier in high-alpine eastern Jotunheimen, central-southern Norway. Quaternary Science Reviews, 2004, 23, 1925-1945. | 3.0 | 62 |
| 27 | HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. Nature Astronomy, 2021, 5, 465-471. | 10.1 | 62 |
| 28 | Withinâ€valley asymmetry and related problems of Neoglacial lateral moraine development at certain Jotunheimen glaciers, southern Norway. Boreas, 1982, 11, 225-247. | 2.4 | 60 |
| 29 | Schmidt hammer exposureâ€age dating: developing linear ageâ€calibration curves using Holocene bedrock surfaces from the Jotunheimenâ€"Jostedalsbreen regions of southern Norway. Boreas, 2010, 39, 105-115. | 2.4 | 60 |
| 30 | Holocene climatic change and tree-line response in Leirdalen, central Jotunheimen, south central Norway. Review of Palaeobotany and Palynology, 2001, 117, 119-137. | 1.5 | 58 |
| 31 | Contemporary terminalâ€moraine ridge formation at a temperate glacier: Styggedalsbreen, Jotunheimen, southern Norway. Boreas, 1995, 24, 129-139. | 2.4 | 58 |
| 32 | â€œSaw-Toothâ€•Moraines in Front of BÃ¸dalsbreen, Southern Norway. Journal of Glaciology, 1979, 22, 535-546. | 2.2 | 57 |
| 33 | The Development of Sorted Circles on Recently Deglaciated Terrain, Jotunheimen, Norway. Arctic and Alpine Research, 1982, 14, 341. | 1.3 | 57 |
| 34 | A ~4500 yr record of river floods obtained from a sediment core in Lake AtnsjÃ¸en, eastern Norway. Journal of Paleolimnology, 2001, 25, 329-342. | 1.6 | 53 |
| 35 | Loch lomond stadial glacier at Fan Hir, Mynydd Du (Brecon Beacons), South Wales: Critical evidence and palaeoclimatic implications. Geological Journal, 1993, 28, 69-79. | 1.3 | 49 |
| 36 | Schmidt-hammer exposure-age dating (SHD): application to early Holocene moraines and a reappraisal of the reliability of terrestrial cosmogenic-nuclide dating (TCND) at Austanbotnbreen, Jotunheimen, Norway. Boreas, 2011, 40, 256-270. | 2.4 | 49 |

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|---|---|---|---|
| 37 | Desiccation Cracking and Sorted Polygon Development, Jotunheimen, Norway. Arctic and Alpine Research, 1983, 15, 339. | 1.3 | 48 |
| 38 | Endolithic lichens, rapid biological weathering and schmidt hammer râ€values on recently exposed rock surfaces: storbreen glacier foreland, jotunheimen, norway. Geografiska Annaler, Series A: Physical Geography, 2008, 90, 287-297. | 1.5 | 48 |
| 39 | Glacier and climatic fluctuations inferred from treeâ€growth variations over the last 250 years, central southern Norway. Boreas, 1977, 6, 1-24. | 2.4 | 48 |
| 40 | Plant colonisation patterns on a gletschervorfeld, southern Norway: a mesoâ€scale geographical approach to vegetation change and phytometric dating. Boreas, 1978, 7, 155-178. | 2.4 | 48 |
| 41 | Regional variation in the composition of Neoglacial end moraines, Jotunheimen, Norway: an altitudinal gradient in clast roundness and its possible palaeoclimatic significance. Boreas, 1987, 16, 173-188. | 2.4 | 48 |
| 42 | HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. Astrophysical Journal Letters, 2020, 896, L29. | 8.3 | 48 |
| 43 | Observations on terminal moraine-ridge formation during recent advances of southern Norwegian glaciers. Geomorphology, 2010, 116, 87-106. | 2.6 | 47 |
| 44 | Lichen growth rates on glacier forelands in southern norway: preliminary results from a 25â€year monitoring programme. Geografiska Annaler, Series A: Physical Geography, 2010, 92, 19-39. | 1.5 | 46 |
| 45 | Reconstructing Holocene Glacier Variations from Glacial Lake Sediments: Studies from Nordvestlandet and Jostedalsbreen-Jotunheimen, Southern Norway. Geografiska Annaler, Series A: Physical Geography, 1992, 74, 327-348. | 1.5 | 45 |
| 46 | Regional Variation in Successional Trajectories and Rates of Vegetation Change on Glacier Forelands in South-Central Norway. Arctic, Antarctic, and Alpine Research, 2010, 42, 351-361. | 1.1 | 45 |
| 47 | â€˜Little Ice Ageâ€™ palaeotemperatures from high altitude tree growth in S. Norway. Nature, 1976, 264, 243-245. | 27.8 | 44 |
| 48 | A preliminary history of Holocene colluvial (debris-flow) activity, Leirdalen, Jotunheimen, Norway. Journal of Quaternary Science, 1997, 12, 117-129. | 2.1 | 44 |
| 49 | Reconstructing Holocene Glacier Variations from Glacial Lake Sediments: Studies from Nordvestlandet and Jostedalsbreen-Jotunheimen, Southern Norway. Geografiska Annaler, Series A: Physical Geography, 1992, 74, 327. | 1.5 | 43 |
| 50 | The Vegetation of the Storbreen Gletschervorfeld, Jotunheimen, Norway. I. Introduction and Approaches Involving Classification. Journal of Biogeography, 1979, 6, 17. | 3.0 | 40 |
| 51 | Glacial activity and paraglacial landsliding in the Devensian Lateglacial: evidence from Craig Cerrig-gleisiad and Fan Dringarth, Fforest Fawr (Brecon Beacons), South Wales. Geological Journal, 1996, 31, 143-157. | 1.3 | 40 |
| 52 | Rates of Holocene chemical weathering, `Little Ice Age' glacial erosion and implications for Schmidt-hammer dating at a glacierâ€foreland boundary, FÃ¥bergstÃ¸lsbreen, southern Norway. Holocene, 2007, 17, 829-834. | 1.7 | 40 |
| 53 | Constraints on Lorentz Invariance Violation from HAWC Observations of Gamma Rays above 100ÂTeV. Physical Review Letters, 2020, 124, 131101. | 7.8 | 40 |
| 54 | Glacier variations in Breheimen, southern Norway: dating Little Ice Age moraine sequences at seven low-altitude glaciers. Journal of Quaternary Science, 2003, 18, 395-413. | 2.1 | 39 |

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| 55 | Pioneer zone geo-ecological change: Observations from a chronosequence on the Storbreen glacier foreland, Jotunheimen, southern Norway. Catena, 2015, 135, 219-230. | 5.0 | 39 |
| 56 | Arctic-alpine brown soils as a source of palaeoenvironmental information: Further14C dating and palynological evidence from Vestre Memurubreen, Jotunheimen, Norway. Journal of Quaternary Science, 1987, 2, 59-71. | 2.1 | 38 |
| 57 | Pioneer vegetation on glacier forelands in southern Norway: emerging communities?. Journal of Vegetation Science, 2009, 20, 889-902. | 2.2 | 38 |
| 58 | Pronival rampart formation in relation to snow-avalanche activity and Schmidt-hammer exposure-age dating (SHD): Three case studies from southern Norway. Geomorphology, 2011, 130, 280-288. | 2.6 | 38 |
| 59 | Enhanced rockfall activity during the Little Ice Age: further lichenometric evidence from a Norwegian talus. Permafrost and Periglacial Processes, 2001, 12, 157-164. | 3.4 | 37 |
| 60 | The Vegetation of the Storbreen Gletschervorfeld, Jotunheimen, Norway. II. Approaches Involving Ordination and General Conclusions. Journal of Biogeography, 1979, 6, 133. | 3.0 | 36 |
| 61 | Snowâ€push processes in pronival (protalus) rampart formation: geomorphological evidence from smÃ¸rbotn, romsdalsalpane, southern norway. Geografiska Annaler, Series A: Physical Geography, 1999, 81, 31-45. | 1.5 | 36 |
| 62 | An Application of Non-Metric Multidimensional Scaling to the Construction of an Improved Species Plexus. Journal of Ecology, 1978, 66, 157. | 4.0 | 35 |
| 63 | Snow-Avalanche Impact Landforms in Breheimen, Southern Norway: Origin, Age, and Paleoclimatic Implications. Arctic and Alpine Research, 1994, 26, 103. | 1.3 | 35 |
| 64 | Radiocarbon chronology of Holocene colluvial (debris-flow) events at Sletthamn, Jotunheimen, southern Norway: a window on the changing frequency of extreme climatic events and their landscape impact. Holocene, 2009, 19, 1107-1129. | 1.7 | 35 |
| 65 | Relict Talusâ€Foot Rock Glaciers at Ã˜yberget, Upper Ottadalen, Southern Norway: Schmidt Hammer Exposure Ages and Palaeoenvironmental Implications. Permafrost and Periglacial Processes, 2013, 24, 336-346. | 3.4 | 35 |
| 66 | Podzol development, vegetation change and glacier variations at Haugabreen, southern Norway. Boreas, 1987, 16, 215-230. | 2.4 | 34 |
| 67 | Evidence of 200 TeV Photons from HAWC J1825-134. Astrophysical Journal Letters, 2021, 907, L30. | 8.3 | 34 |
| 68 | Pedogenic Implications of a 14 C-Dated Paleopodzolic Soil at Haugabreen, Southern Norway. Arctic and Alpine Research, 1984, 16, 77. | 1.3 | 32 |
| 69 | Cosmogenic <sup>10</sup>Be and <sup>26</sup>Al ages of Holocene moraines in southern Norway I: testing the method and confirmation of the date of the Erdalen Event (c. 10 ka) at its type-site. Holocene, 2008, 18, 1155-1164. | 1.7 | 31 |
| 70 | The Briksdalsbre Event: A winter precipitation-induced decadal-scale glacial advance in southern Norway in the <scp>ad</scp> 1990s and its implications. Holocene, 2012, 22, 249-261. | 1.7 | 31 |
| 71 | Pronival ("Protalus") Ramparts in the Romsdalsalpane, Southern Norway: Forms, Terms, Subnival Processes, and Alternative Mechanisms of Formation. Arctic and Alpine Research, 1995, 27, 271. | 1.3 | 30 |
| 72 | Glacier variations in Breheimen, southern Norway: relative-age dating of Holocene moraine complexes at six high-altitude glaciers. Holocene, 2004, 14, 899-910. | 1.7 | 30 |

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| 73 | Growth rate of a very large crustose lichen (rhizocarpon subgenus) and its implications for lichenometry. Geografiska Annaler, Series A: Physical Geography, 2011, 93, 27-39. | 1.5 | 30 |
| 74 | A rock-surface microweathering index from Schmidt hammer R-values and its preliminary application to some common rock types in southern Norway. Catena, 2016, 143, 35-44. | 5.0 | 30 |
| 75 | Small rockâ€slope failures conditioned by Holocene permafrost degradation: a new approach and conceptual model based on Schmidtâ€hammer exposureâ€age dating, Jotunheimen, southern Norway. Boreas, 2018, 47, 1144-1169. | 2.4 | 30 |
| 76 | Lichen Growth on an Active Medial Moraine, Jotunheimen, Norway. Journal of Glaciology, 1973, 12, 305-313. | 2.2 | 29 |
| 77 | Reconstruction of Holocene glacier history from distal sources: glaciofluvial stream-bank mires and a glaciolacustrine sediment core near Sota SÃ¦ter, Breheimen, southern Norway. Holocene, 2007, 17, 729-745. | 1.7 | 29 |
| 78 | Holocene environmental change in subarctic aeolian dune fields: The chronology of sand dune re-activation events in relation to forest fires, palaeosol development and climatic variations in Finnish Lapland. Holocene, 2014, 24, 149-164. | 1.7 | 29 |
| 79 | Improved Schmidt-hammer exposure ages for active and relict pronival ramparts in southern Norway, and their palaeoenvironmental implications. Geomorphology, 2015, 246, 7-21. | 2.6 | 28 |
| 80 | Natural14C age/depth gradient in a buried soil. Die Naturwissenschaften, 1981, 68, 472-474. | 1.6 | 27 |
| 81 | Landform transitions from pronival ramparts to moraines and rock glaciers: a case study from the SmÃ¸rbotn cirque, Romsdalsalpane, southern Norway. Geografiska Annaler, Series A: Physical Geography, 2017, 99, 15-37. | 1.5 | 27 |
| 82 | Comparison of electronic and mechanical Schmidt hammers in the context of exposureâ€age dating: are Qâ€•and Râ€values interconvertible?. Earth Surface Processes and Landforms, 2014, 39, 1128-1136. | 2.5 | 26 |
| 83 | Succession of pitfall-trapped insects and arachnids on eight Norwegian glacier forelands along an altitudinal gradient: Patterns and models. Holocene, 2015, 25, 108-129. | 1.7 | 25 |
| 84 | Highâ€precision schmidtâ€hammer exposureâ€age dating of flood berms, vetlestÃ¸lsdalen, alpine southern norway: first application and some methodological issues. Geografiska Annaler, Series A: Physical Geography, 2013, 95, 185-195. | 1.5 | 24 |
| 85 | Schmidtâ€hammer exposure ages from periglacial patterned ground (sorted circles) in jotunheimen, norway, and their interpretative problems. Geografiska Annaler, Series A: Physical Geography, 2016, 98, 265-285. | 1.5 | 24 |
| 86 | 14C dating and palaeoenvironment of the historic â€˜little ice ageâ€™ glacier advance of Nigardsbreen Southwest Norway. Earth Surface Processes and Landforms, 1986, 11, 369-375. | 2.5 | 23 |
| 87 | Cosmogenic<sup>10</sup>Be and<sup>26</sup>Al ages of Holocene moraines in southern Norway II: evidence for individualistic responses of high-altitude glaciers to millennial-scale climatic fluctuations. Holocene, 2008, 18, 1165-1177. | 1.7 | 23 |
| 88 | Schmidtâ€hammer exposureâ€age dating (SHD) of snowâ€avalanche impact ramparts in southern Norway: approaches, results and implications for landform age, dynamics and development. Earth Surface Processes and Landforms, 2015, 40, 1705-1718. | 2.5 | 23 |
| 89 | Holocene solifluction, climate variation and fire in a subarctic landscape at Pippokangas, Finnish Lapland, based on radiocarbon-dated buried charcoal. Journal of Quaternary Science, 2005, 20, 533-548. | 2.1 | 22 |
| 90 | Relict Blockstreams at Insteheia, Valldalen-Tafjorden, Southern Norway: Their Nature and Schmidt Hammer Exposure Age. Permafrost and Periglacial Processes, 2017, 28, 286-297. | 3.4 | 22 |

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| 91 | Some Observations on Boulder-Cored Frost Boils. Geographical Journal, 1984, 150, 63. | 3.1 | 21 |
| 92 | A Catastrophic Landslide (Sturzstrom) in Verkilsdalen, Rondane National Park, Southern Norway. Geografiska Annaler, Series A: Physical Geography, 1986, 68, 77-87. | 1.5 | 21 |
| 93 | Testing the â€˜addition and persistence modelâ€™ of invertebrate succession in a subalpine glacier-foreland chronosequence: FÃ¥bergstÃ¸lsbreen, southern Norway. Holocene, 2013, 23, 1151-1162. | 1.7 | 21 |
| 94 | Soil Dating and Glacier Variations: A Reply to WibjÃ¶rn KarlÃ©n. Geografiska Annaler, Series A: Physical Geography, 1982, 64, 15-20. | 1.5 | 20 |
| 95 | Age assessment and implications of late Quaternary periglacial and paraglacial landforms on Muckish Mountain, northwest Ireland, based on Schmidt-hammer exposure-age dating (SHD). Geomorphology, 2016, 270, 134-144. | 2.6 | 20 |
| 96 | Refutation of convergence in a vegetation succession. Die Naturwissenschaften, 1979, 66, 47-49. | 1.6 | 19 |
| 97 | Holocene Chemical Weathering, Surface Lowering and Rock Weakening Rates on Glacially Eroded Bedrock Surfaces in an Alpine Periglacial Environment, Jotunheimen, Southern Norway. Permafrost and Periglacial Processes, 2011, 22, 279-290. | 3.4 | 19 |
| 98 | Snowâ€avalanche impact landforms, deposits and effects at urdvatnet, southern norway: implications for avalanche style and process. Geografiska Annaler, Series A: Physical Geography, 2006, 88, 295-307. | 1.5 | 18 |
| 99 | Late-holocene snow-avalanche activity in southern norway: Interpreting lichen sizeâ€“frequency distributions using an alternative to simulation modelling. Earth Surface Processes and Landforms, 1995, 20, 465-471. | 2.5 | 17 |
| 100 | Alpine Debris-flows in Leirdalen, Jotunheimen, Norway, with Particular Reference to Distal Fans, Intermediate-type Deposits, and Flow Types. Arctic, Antarctic, and Alpine Research, 1999, 31, 421-435. | 1.1 | 17 |
| 101 | Sediment fingerprinting and the mode of formation of singular and composite annual moraine ridges at two glacier margins, Jotunheimen, southern Norway. Holocene, 2015, 25, 1772-1785. | 1.7 | 17 |
| 102 | Age and development of active cryoplanation terraces in the alpine permafrost zone at Svartkampan, Jotunheimen, southern Norway. Quaternary Research, 2019, 92, 641-664. | 1.7 | 17 |
| 103 | Snow-Avalanche Impact Landforms: A Brief Discussion of Terminology. Arctic and Alpine Research, 1994, 26, 128. | 1.3 | 16 |
| 104 | A twentieth-century neoparaglacial rock topple on a glacier foreland, Ã– tztal Alps, Austria. Holocene, 2004, 14, 454-458. | 1.7 | 16 |
| 105 | Autosuccession in alpine vegetation: Testing the concept on an altitudinal bioclimatic gradient, Jotunheimen, southern Norway. Catena, 2018, 170, 169-182. | 5.0 | 15 |
| 106 | Alpine Debris-Flows in Leirdalen, Jotunheimen, Norway, with Particular Reference to Distal Fans, Intermediate-Type Deposits, and Flow Types. Arctic, Antarctic, and Alpine Research, 1999, 31, 421. | 1.1 | 15 |
| 107 | A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2021, 907, 67. | 4.5 | 13 |
| 108 | Sieve deposition by debris flow on a permeable substrate, Leirdalen, Norway. Earth Surface Processes and Landforms, 2002, 27, 1031-1041. | 2.5 | 12 |

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| 109 | Late Holocene development of a Norwegian alpine alluvial fan affected by proximal glacier variations, episodic distal undercutting, and colluvial activity. Geomorphology, 2011, 127, 198-215. | 2.6 | 12 |
| 110 | Sensitivity, persistence and resolution of the geomorphological record of valley-floor floods in an alpine glacier-fed catchment, Leirdalen, Jotunheimen, southern Norway. Holocene, 2013, 23, 974-989. | 1.7 | 12 |
| 111 | Use of ecological indicator values to investigate successional change in boreal to high-alpine glacier-foreland chronosequences, southern Norway. Holocene, 2014, 24, 1453-1464. | 1.7 | 12 |
| 112 | Some Problems and Implications of14C Dates from a Podzol Buried Beneath an end Moraine at Haugabreen, Southern Norway. Geografiska Annaler, Series A: Physical Geography, 1980, 62, 185-208. | 1.5 | 11 |
| 113 | Rapid Holocene chemical weathering on a calcitic lake shoreline in an alpine periglacial environment: AttglÃ¸yma, Sognefjell, southern Norway. Permafrost and Periglacial Processes, 2006, 17, 3-12. | 3.4 | 11 |
| 114 | Holocene Gorge Excavation Linked to Boulder Fan Formation and Frost Weathering in a Norwegian Alpine Periglaciofluvial System. Arctic, Antarctic, and Alpine Research, 2002, 34, 345-357. | 1.1 | 10 |
| 115 | Landslideâ€glacier interaction in a neoparaglacial setting at tverrbytnede, jotunheimen, southern norway. Geografiska Annaler, Series A: Physical Geography, 2010, 92, 421-436. | 1.5 | 10 |
| 116 | Comparative numerical surface exposure-age dating (<sup>10</sup>Be and Schmidt hammer) of an early-Holocene rock avalanche at Alstadfjellet, Valldalen, southern Norway. Geografiska Annaler, Series A: Physical Geography, 2019, 101, 293-309. | 1.5 | 10 |
| 117 | Late glacial and Holocene environmental changes inferred from sediments in Lake Myklevatnet, Nordfjord, western Norway. Vegetation History and Archaeobotany, 2014, 23, 229-248. | 2.1 | 9 |
| 118 | Schmidt-hammer exposure-age dating (SHD) of sorted stripes on Juvflye, Jotunheimen (central South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.6 | 9 |
| 119 | Interpretation, age and significance of a relict paraglacial and periglacial boulder-dominated landform assemblage in Ålnesdalen, Romsdalsalpane, southern Norway. Geomorphology, 2020, 369, 107362. | 2.6 | 9 |
| 120 | Evidence for rapid paraglacial formation of rock glaciers in southern Norway from <sup>10</sup>Be surface-exposure dating. Quaternary Research, 2020, 97, 55-70. | 1.7 | 9 |
| 121 | Probing the Sea of Cosmic Rays by Measuring Gamma-Ray Emission from Passive Giant Molecular Clouds with HAWC. Astrophysical Journal, 2021, 914, 106. | 4.5 | 9 |
| 122 | Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. Astrophysical Journal, 2021, 906, 63. | 4.5 | 9 |
| 123 | Channel form, bed material and sediment sources of the sprongdÃ¸la, southern norway: evidence for a distinct periglacioâ€fluvial system. Geografiska Annaler, Series A: Physical Geography, 1998, 80, 17-36. | 1.5 | 8 |
| 124 | Age and origin of ice-cored moraines in Jotunheimen and Breheimen, southern Norway: insights from Schmidt-hammer exposure-age dating. Geografiska Annaler, Series A: Physical Geography, 2014, 96, n/a-n/a. | 1.5 | 8 |
| 125 | Holocene alluvial fan evolution, Schmidtâ€hammer exposureâ€age dating and paraglacial debris floods in the <scp>SE</scp> Jostedalsbreen region, southern Norway. Boreas, 2020, 49, 886-902. | 2.4 | 8 |
| 126 | Development of a Holocene glacier-fed composite alluvial fan based on surface exposure-age dating techniques: The IllÃ¥e fan, Jotunheimen, Norway. Geomorphology, 2020, 363, 107200. | 2.6 | 8 |

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| 127 | Holocene Gorge Excavation Linked to Boulder Fan Formation and Frost Weathering in a Norwegian Alpine Periglaciofluvial System. Arctic, Antarctic, and Alpine Research, 2002, 34, 345. | 1.1 | 8 |
| 128 | Long-term Spectra of the Blazars Mrk 421 and Mrk 501 at TeV Energies Seen by HAWC. Astrophysical Journal, 2022, 929, 125. | 4.5 | 8 |
| 129 | Schmidt-hammer exposure-age dating: a review of principles and practice. Earth-Science Reviews, 2022, 230, 104038. | 9.1 | 8 |
| 130 | MAGIC andFermi-LAT gamma-ray results on unassociated HAWC sources. Monthly Notices of the Royal Astronomical Society, 2019, 485, 356-366. | 4.4 | 7 |
| 131 | Fair Weather Neutron Bursts From Photonuclear Reactions by Extensive Air Shower Core Interactions in the Ground and Implications for Terrestrial Gammaâ€ray Flash Signatures. Geophysical Research Letters, 2021, 48, e2020GL090033. | 4.0 | 7 |
| 132 | New evidence for active talus-foot rock glaciers at Ã˜yberget, southern Norway, and their development during the Holocene. Holocene, 2021, 31, 1786-1796. | 1.7 | 7 |
| 133 | Major Neoglacial Glacier Expansion Episodes in Southern Norway: Evidences from Moraine Ridge Stratigraphy With 14C Dates on Buried Palaeosols and Moss Layers. Geografiska Annaler, Series A: Physical Geography, 1978, 60, 73-90. | 1.5 | 6 |
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