

John Woodward

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,523
citations

279798

23
h-index

330143

37
g-index

68
all docs

68
docs citations

68
times ranked

1938
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue-ice moraines formation in the Heritage Range, West Antarctica: Implications for ice sheet history and climate reconstruction. <i>Quaternary Science Advances</i> , 2022, 6, 100051.	1.9	4
2	Review article: Existing and potential evidence for Holocene grounding line retreat and readvance in Antarctica. <i>Cryosphere</i> , 2022, 16, 1543-1562.	3.9	16
3	Relative sea-level data preclude major late Holocene ice-mass change in Pine Island Bay. <i>Nature Geoscience</i> , 2022, 15, 568-572.	12.9	12
4	A Theory of Change for Improving Children's Perceptions, Aspirations and Uptake of STEM Careers. <i>Research in Science Education</i> , 2021, 51, 997-1011.	2.3	20
5	Slippery liquid-infused porous surfaces: The effect of oil on the water repellence of hydrophobic and superhydrophobic soils. <i>European Journal of Soil Science</i> , 2021, 72, 963-978.	3.9	8
6	Using climate reanalysis data in conjunction with multi-temporal satellite thermal imagery to derive supraglacial debris thickness changes from energy-balance modelling. <i>Journal of Glaciology</i> , 2021, 67, 366-384.	2.2	5
7	Low-Cost Automatic Slope Monitoring Using Vector Tracking Analyses on Live-Streamed Time-Lapse Imagery. <i>Remote Sensing</i> , 2021, 13, 893.	4.0	9
8	Seasonal Signals Observed in Non-Contact Long-Term Road Texture Measurements. <i>Coatings</i> , 2021, 11, 735.	2.6	4
9	Arctic rock coast responses under a changing climate. <i>Remote Sensing of Environment</i> , 2020, 236, 111500.	11.0	17
10	Quantifying long-term rates of texture change on road networks. <i>International Journal of Pavement Engineering</i> , 2020, , 1-13.	4.4	5
11	Decoding Complex Erosion Responses for the Mitigation of Coastal Rockfall Hazards Using Repeat Terrestrial LiDAR. <i>Remote Sensing</i> , 2020, 12, 2620.	4.0	9
12	Early Last Interglacial ocean warming drove substantial ice mass loss from Antarctica. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3996-4006.	7.1	50
13	Subglacial topography and ice flux along the English Coast of Palmer Land, Antarctic Peninsula. <i>Earth System Science Data</i> , 2020, 12, 3453-3467.	9.9	1
14	Testing and application of a model for snow redistribution (Snow_Blow) in the Ellsworth Mountains, Antarctica. <i>Journal of Glaciology</i> , 2019, 65, 957-970.	2.2	8
15	Major Ice Sheet Change in the Weddell Sea Sector of West Antarctica Over the Last 5,000 Years. <i>Reviews of Geophysics</i> , 2019, 57, 1197-1223.	23.0	18
16	Radar-Detected Englacial Debris in the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 10454-10462.	4.0	18
17	Improved non-contact 3D field and processing techniques to achieve macrotecture characterisation of pavements. <i>Construction and Building Materials</i> , 2019, 227, 116693.	7.2	37
18	A smart sewer asset information model to enable an "Internet of Things" for operational wastewater management. <i>Automation in Construction</i> , 2018, 91, 193-205.	9.8	73

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19	Corrigendum to “The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica” [Earth and Planetary Science Letters 469 (2017) 42–52]. Earth and Planetary Science Letters, 2018, 502, 291-292.	4.4	0
20	Evidence for the long-term sedimentary environment in an Antarctic subglacial lake. Earth and Planetary Science Letters, 2018, 504, 139-151.	4.4	19
21	Controls on subaerial erosion rates in Antarctica. Earth and Planetary Science Letters, 2018, 501, 56-66.	4.4	21
22	Cost-effective erosion monitoring of coastal cliffs. Coastal Engineering, 2018, 138, 152-164.	4.0	69
23	The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica. Earth and Planetary Science Letters, 2017, 469, 42-52.	4.4	26
24	A new quantitative approach to identify reworking in Eocene to Miocene pollen records from offshore Antarctica using red fluorescence and digital imaging. Biogeosciences, 2017, 14, 2089-2100.	3.3	14
25	Brief communication: Improved measurement of ice layer density in seasonal snowpacks. Cryosphere, 2016, 10, 2069-2074.	3.9	7
26	Interannual surface evolution of an Antarctic blue-ice moraine using multi-temporal DEMs. Earth Surface Dynamics, 2016, 4, 515-529.	2.4	35
27	Evidence for the stability of the West Antarctic Ice Sheet divide for 1.4 million years. Nature Communications, 2016, 7, 10325.	12.8	31
28	Mid-Holocene pulse of thinning in the Weddell Sea sector of the West Antarctic ice sheet. Nature Communications, 2016, 7, 12511.	12.8	39
29	Assessing the continuity of the blue ice climate record at Patriot Hills, Horseshoe Valley, West Antarctica. Geophysical Research Letters, 2016, 43, 2019-2026.	4.0	24
30	Sedimentological characterization of Antarctic moraines using UAVs and Structure-from-Motion photogrammetry. Journal of Glaciology, 2015, 61, 1088-1102.	2.2	60
31	Airborne radar evidence for tributary flow switching in Institute Ice Stream, West Antarctica: Implications for ice sheet configuration and dynamics. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1611-1625.	2.8	36
32	Post-rock-avalanche dam outburst flood sedimentation in Ram Creek, Southern Alps, New Zealand. Geomorphology, 2015, 241, 135-144.	2.6	5
33	Changes in Holocene climate and the intensity of Southern Hemisphere Westerly Winds based on a high-resolution palynological record from sub-Antarctic South Georgia. Holocene, 2015, 25, 263-279.	1.7	42
34	Glacial geomorphology of the Great Glen Region of Scotland. Journal of Maps, 2014, 10, 159-178.	2.0	14
35	Mind the skills gap. Planet, 2013, 27, 36-38.	0.1	4
36	A hardware proof of concept for a remote-controlled glacier-surveying boat. Journal of Field Robotics, 2012, 29, 880-890.	6.0	7

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37	Clean access, measurement, and sampling of Ellsworth Subglacial Lake: A method for exploring deep Antarctic subglacial lake environments. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	63
38	Geophysical surveys of the sediments of Loch Ness, Scotland: implications for the deglaciation of the Moray Firth Ice Stream, British-Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2012, 27, 221-232.	2.1	16
39	Analysis of the microbial community and geochemistry of a sediment core from Great Slave Lake, Canada. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 423-430.	1.7	13
40	Sedimentary architecture of large-scale, jökulhlaup-generated, ice-block obstacle marks: Examples from Skeiðarárjökull, SE Iceland. <i>Sedimentary Geology</i> , 2010, 227, 1-10.	2.1	17
41	M.R. Bennett and N.F. Glasser. 2009. <i>Glacial geology: ice sheets and landforms</i> . Second edition. Oxford, Wiley-Blackwell. 385pp. ISBN 978-0-470-51690-4, hardback, £85.00/US\$97.80; ISBN 978-0-470-51691-1, paperback, £29.95/US\$34.50.. <i>Journal of Glaciology</i> , 2010, 56, 925-926.	2.2	1
42	Structural controls on englacial esker sedimentation: Skeiðarárjökull, Iceland. <i>Annals of Glaciology</i> , 2009, 50, 85-92.	1.4	23
43	Radar surveys of the Rutford Ice Stream onset zone, West Antarctica: indications of flow (in)stability?. <i>Annals of Glaciology</i> , 2009, 50, 57-62.	1.4	13
44	Controls on the sedimentary architecture of a single event englacial esker: Skeiðarárjökull, Iceland. <i>Quaternary Science Reviews</i> , 2008, 27, 1829-1847.	3.0	63
45	Seismic and radar observations of subglacial bed forms beneath the onset zone of Rutford Ice Stream, Antarctica. <i>Journal of Glaciology</i> , 2007, 53, 665-672.	2.2	82
46	Applications of Ground-Penetrating Radar to Glacial and Frozen Materials. <i>Journal of Environmental and Engineering Geophysics</i> , 2007, 12, 69-85.	0.5	56
47	Topographic and hydrological controls on Subglacial Lake Ellsworth, West Antarctica. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	29
48	Introduction to this Special Issue of JEEG: The Geophysics of Glacial and Frozen Materials. <i>Journal of Environmental and Engineering Geophysics</i> , 2007, 12, 1-2.	0.5	3
49	Bar-top hollows: A new element in the architecture of sandy braided rivers. <i>Sedimentary Geology</i> , 2006, 190, 241-255.	2.1	38
50	Seismic evidence for a water-filled canal in deforming till beneath Rutford Ice Stream, West Antarctica. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	43
51	The use and application of GPR in sandy fluvial environments: methodological considerations. <i>Geological Society Special Publication</i> , 2003, 211, 127-142.	1.3	28
52	Glacier surge mechanisms inferred from ground-penetrating radar: Kongsvegen, Svalbard. <i>Journal of Glaciology</i> , 2003, 49, 473-480.	2.2	30
53	Observations of surge periodicity in East Greenland using molybdenum records from marine sediment cores. <i>Geological Society Special Publication</i> , 2002, 203, 367-373.	1.3	2
54	Formation and reorientation of structure in the surge-type glacier Kongsvegen, Svalbard. <i>Journal of Quaternary Science</i> , 2002, 17, 201-209.	2.1	51

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55	Long-term rates of mass wasting in Mesters Vig, northeast Greenland: notes on a re-survey. Permafrost and Periglacial Processes, 2002, 13, 243-249.	3.4	34
56	Glacier surge propagation by thermal evolution at the bed. Journal of Geophysical Research, 2000, 105, 13491-13507.	3.3	148
57	Periglacial processes in the Mestersvig region, central East Greenland. Geological Survey of Denmark and Greenland Bulletin, 0, 189, 115-121.	0.0	1
58	Review article: Existing and potential evidence for Holocene grounding-line retreat and readvance in Antarctica. , 0, , .		0