

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	Glacier surge propagation by thermal evolution at the bed. <i>Journal of Geophysical Research</i> , 2000, 105, 13491-13507.	3.3	148
2	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
3	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
4	Cost-effective erosion monitoring of coastal cliffs. <i>Coastal Engineering</i> , 2018, 138, 152-164.	4.0	69
5	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
6	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
7	Sedimentological characterization of Antarctic moraines using UAVs and Structure-from-Motion photogrammetry. <i>Journal of Glaciology</i> , 2015, 61, 1088-1102.	2.2	60
8	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
9	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
10	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
11	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
12	Changes in Holocene climate and the intensity of Southern Hemisphere Westerly Winds based on a high-resolution palynological record from sub-Antarctic South Georgia. <i>Holocene</i> , 2015, 25, 263-279.	1.7	42
13	Mid-Holocene pulse of thinning in the Weddell Sea sector of the West Antarctic ice sheet. <i>Nature Communications</i> , 2016, 7, 12511.	12.8	39
14	Bar-top hollows: A new element in the architecture of sandy braided rivers. <i>Sedimentary Geology</i> , 2006, 190, 241-255.	2.1	38
15	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
16	Airborne radar evidence for tributary flow switching in Institute Ice Stream, West Antarctica: Implications for ice sheet configuration and dynamics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 1611-1625.	2.8	36
17	Interannual surface evolution of an Antarctic blue-ice moraine using multi-temporal DEMs. <i>Earth Surface Dynamics</i> , 2016, 4, 515-529.	2.4	35
18	Long-term rates of mass wasting in Mesters Vig, northeast Greenland: notes on a re-survey. <i>Permafrost and Periglacial Processes</i> , 2002, 13, 243-249.	3.4	34

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19	Evidence for the stability of the West Antarctic Ice Sheet divide for 1.4 million years. <i>Nature Communications</i> , 2016, 7, 10325.	12.8	31
20	Glacier surge mechanisms inferred from ground-penetrating radar: Kongsvegen, Svalbard. <i>Journal of Glaciology</i> , 2003, 49, 473-480.	2.2	30
21	Topographic and hydrological controls on Subglacial Lake Ellsworth, West Antarctica. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	29
22	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
23	The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica. <i>Earth and Planetary Science Letters</i> , 2017, 469, 42-52.	4.4	26
24	Assessing the continuity of the blue ice climate record at Patriot Hills, Horseshoe Valley, West Antarctica. <i>Geophysical Research Letters</i> , 2016, 43, 2019-2026.	4.0	24
25	Structural controls on englacial esker sedimentation: Skeiðarárjökull, Iceland. <i>Annals of Glaciology</i> , 2009, 50, 85-92.	1.4	23
26	Controls on subaerial erosion rates in Antarctica. <i>Earth and Planetary Science Letters</i> , 2018, 501, 56-66.	4.4	21
27	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
28	Evidence for the long-term sedimentary environment in an Antarctic subglacial lake. <i>Earth and Planetary Science Letters</i> , 2018, 504, 139-151.	4.4	19
29	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
30	Radar-Detected Englacial Debris in the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 10454-10462.	4.0	18
31	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
32	Arctic rock coast responses under a changing climate. <i>Remote Sensing of Environment</i> , 2020, 236, 111500.	11.0	17
33	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
34	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
35	Glacial geomorphology of the Great Glen Region of Scotland. <i>Journal of Maps</i> , 2014, 10, 159-178.	2.0	14
36	A new quantitative approach to identify reworking in Eocene to Miocene pollen records from offshore Antarctica using red fluorescence and digital imaging. <i>Biogeosciences</i> , 2017, 14, 2089-2100.	3.3	14

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	A hardware proof of concept for a remote-controlled glacier-surveying boat. <i>Journal of Field Robotics</i> , 2012, 29, 880-890.	6.0	7
45	Brief communication: Improved measurement of ice layer density in seasonal snowpacks. <i>Cryosphere</i> , 2016, 10, 2069-2074.	3.9	7
46	Post-rock-avalanche dam outburst flood sedimentation in Ram Creek, Southern Alps, New Zealand. <i>Geomorphology</i> , 2015, 241, 135-144.	2.6	5
47	Quantifying long-term rates of texture change on road networks. <i>International Journal of Pavement Engineering</i> , 2020, , 1-13.	4.4	5
48	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
49	Mind the skills gap. <i>Planet</i> , 2013, 27, 36-38.	0.1	4
50	Seasonal Signals Observed in Non-Contact Long-Term Road Texture Measurements. <i>Coatings</i> , 2021, 11, 735.	2.6	4
51	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
52	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
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	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

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55	Periglacial processes in the Mestersvig region, central East Greenland. Geological Survey of Denmark and Greenland Bulletin, 0, 189, 115-121.	0.0	1
56	Subglacial topography and ice flux along the English Coast of Palmer Land, Antarctic Peninsula. Earth System Science Data, 2020, 12, 3453-3467.	9.9	1
57	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
58	Review article: Existing and potential evidence for Holocene grounding-line retreat and readvance in Antarctica. , 0, , .		0