

# Jane K Hart

## List of Publications by Year in descending order

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72  
papers

3,452  
citations

212478

28  
h-index

156644

58  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensor Networks and Geohazards. , 2022, , 100-120.		2
2	The seasonal evolution of subglacial drainage pathways beneath a soft-bedded glacier. Communications Earth & Environment, 2022, 3, .	2.6	2
3	Depositional Processes. , 2021, , .		0
4	How the other half lives: A reflection on Tivers (1978) from a physical geographer's point of view. Area, 2020, 52, 786-793.	1.0	1
5	Long-term impact of the proglacial lake Jökulsárlón on the flow velocity and stability of Breiðamerkurjökull glacier, Iceland. Earth Surface Processes and Landforms, 2020, 45, 2647-2663.	1.2	14
6	Surface melt-driven seasonal behaviour (englacial and subglacial) from a soft-bedded temperate glacier recorded by in situ wireless probes. Earth Surface Processes and Landforms, 2019, 44, 1769-1782.	1.2	9
7	Surface melt driven summer diurnal and winter multi-day stick-slip motion and till sedimentology. Nature Communications, 2019, 10, 1599.	5.8	19
8	Erosional and depositional subglacial streamlining processes at Skjalafellsjökull, Iceland: an analogue for a new bedform continuum model. Gff, 2018, 140, 153-169.	0.4	15
9	A geophone wireless sensor network for investigating glacier stick-slip motion. Computers and Geosciences, 2017, 105, 103-112.	2.0	17
10	Subglacial till formation: Microscale processes within the subglacial shear zone. Quaternary Science Reviews, 2017, 170, 26-44.	1.4	17
11	Deploying a 6LoWPAN, CoAP, low power, wireless sensor network. , 2016, , .		4
12	Englacial and subglacial water flow at Skjalafellsjökull, Iceland derived from ground penetrating radar, <i>in situ</i> Glacweb probe and borehole water level measurements. Earth Surface Processes and Landforms, 2015, 40, 2071-2083.	1.2	21
13	Toward an environmental Internet of Things. Earth and Space Science, 2015, 2, 194-200.	1.1	43
14	Image analysis techniques to estimate river discharge using time-lapse cameras in remote locations. Computers and Geosciences, 2015, 76, 1-10.	2.0	36
15	Micromorphological analysis of polyphase deformation associated with the transport and emplacement of glaciotectionic rafts at West Runton, north Norfolk, UK. Boreas, 2013, 42, 376-394.	1.2	31
16	Subglacial till behaviour derived from in situ wireless multi-sensor subglacial probes: Rheology, hydro-mechanical interactions and till formation. Quaternary Science Reviews, 2011, 30, 234-247.	1.4	27
17	Temporal englacial water content variability associated with a rapidly retreating glacier. Earth Surface Processes and Landforms, 2011, 36, 1230-1239.	1.2	3
18	Assessing the catastrophic break-up of Briksdalsbreen, Norway, associated with rapid climate change. Journal of the Geological Society, 2011, 168, 673-688.	0.9	11

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19	Glacier Monitoring: Deploying Custom Hardware in Harsh Environments. , 2010, , 245-258.		5
20	Seasonal changes in basal conditions at Briksdalsbreen, Norway: the winterâ€“spring transition. Boreas, 2009, 38, 579-590.	1.2	8
21	Subglacial clast behaviour and its implication for till fabric development: new results derived from wireless subglacial probe experiments. Quaternary Science Reviews, 2009, 28, 597-607.	1.4	38
22	Geoffrey Boulton. Quaternary Science Reviews, 2009, 28, 580-583.	1.4	0
23	Deploying a Wireless Sensor Network in Iceland. Lecture Notes in Computer Science, 2009, , 131-137.	1.0	24
24	Subglacial comminution in the deforming bed: Inferences from SEM analysis. Sedimentary Geology, 2008, 203, 87-97.	1.0	26
25	The role of women in British Quaternary science. Geological Society Special Publication, 2007, 281, 83-95.	0.8	7
26	An investigation of subglacial shear zone processes from Weybourne, Norfolk, UK. Quaternary Science Reviews, 2007, 26, 2354-2374.	1.4	26
27	An investigation of subglacial processes at the microscale from Briksdalsbreen, Norway. Sedimentology, 2006, 53, 125-146.	1.6	52
28	Environmental Sensor Networks: A revolution in the earth system science?. Earth-Science Reviews, 2006, 78, 177-191.	4.0	572
29	Athabasca Glacier, Canada - a field example of subglacial ice and till erosion?. Earth Surface Processes and Landforms, 2006, 31, 65-80.	1.2	24
30	A wireless multi-sensor subglacial probe: design and preliminary results. Journal of Glaciology, 2006, 52, 389-397.	1.1	32
31	The deforming bed characteristics of a stratified till assemblage in north East Anglia, UK: investigating controls on sediment rheology and strain signatures. Quaternary Science Reviews, 2005, 24, 123-140.	1.4	85
32	Environmental sensor networks. Computer, 2004, 37, 50-56.	1.2	335
33	The effect of grain texture on the occurrence of microstructural properties in subglacial till. Quaternary Science Reviews, 2004, 23, 2501-2512.	1.4	25
34	Stratigraphy and glaciotectonic structures of permafrost deformed beneath the northwest margin of the Laurentide ice sheet, Tuktoyaktuk Coastlands, Canada. Journal of Glaciology, 2004, 50, 399-412.	1.1	58
35	Approaches to the study of glacier bed deformation. Quaternary International, 2001, 86, 45-58.	0.7	65
36	Glacier deforming-bed processes. Quaternary International, 2001, 86, 1-2.	0.7	3

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37	The influence of tectonic deformation on facies variability in stratified debris-rich basal ice. <i>Quaternary Science Reviews</i> , 2000, 19, 775-786.	1.4	39
38	An investigation of the debris-rich basal ice from Worthington Glacier, Alaska, U.S.A.. <i>Journal of Glaciology</i> , 1999, 45, 54-62.	1.1	6
39	Grain textural analysis across a range of glacial facies. <i>Annals of Glaciology</i> , 1999, 28, 111-117.	2.8	16
40	The sedimentary and structural evolution of a recent push moraine complex: Holmstråmbreen, Spitsbergen. <i>Quaternary Science Reviews</i> , 1999, 18, 339-371.	1.4	149
41	Identifying fast ice flow from landform assemblages in the geological record: a discussion. <i>Annals of Glaciology</i> , 1999, 28, 59-66.	2.8	74
42	An investigation of the debris-rich basal ice from Worthington Glacier, Alaska, U.S.A.. <i>Journal of Glaciology</i> , 1999, 45, 54-62.	1.1	2
43	The deforming bed/debris-rich basal ice continuum and its implications for the formation of glacial landforms (flutes) and sediments (melt-out till). <i>Quaternary Science Reviews</i> , 1998, 17, 737-754.	1.4	42
44	The relationship between drumlins and other forms of subglacial glaciotectionic deformation. <i>Quaternary Science Reviews</i> , 1997, 16, 93-107.	1.4	86
45	Subglacial deformation associated with fast ice flow, from the Columbia Glacier, Alaska. <i>Sedimentary Geology</i> , 1997, 111, 177-197.	1.0	34
46	A comparison of the styles of deformation associated with two recent push moraines, South Van Keulenfjorden, Svalbard. <i>Earth Surface Processes and Landforms</i> , 1997, 22, 1089-1107.	1.2	47
47	“Deforming bed conditions on the Danischer Wohld Peninsula, northern Germany”: Reply to comments. <i>Boreas</i> , 1997, 26, 79-80.	1.2	2
48	Till and moraine emplacement in a deforming bed surge “ an example from a marine environment. <i>Quaternary Science Reviews</i> , 1996, 15, 961-987.	1.4	154
49	Proglacial glaciotectionic deformation associated with glaciolacustrine sedimentation, Lake Pukaki, New Zealand. <i>Journal of Quaternary Science</i> , 1996, 11, 149-160.	1.1	19
50	Glaciotectionic deformation within a flute from the Isfallsglaciären, Sweden. <i>Journal of Quaternary Science</i> , 1996, 11, 299-310.	1.1	17
51	Deforming bed conditions on the Dänischer Wohld Peninsula, northern Germany. <i>Boreas</i> , 1996, 25, 101-114.	1.2	15
52	Proglacial glaciotectionic deformation associated with glaciolacustrine sedimentation, Lake Pukaki, New Zealand. , 1996, 11, 149.		2
53	Title is missing!. <i>Proceedings of the Geologists Association</i> , 1995, 106, 236-237.	0.6	0
54	Drumlin formation in Southern Anglesey and Arvon, Northwest Wales. <i>Journal of Quaternary Science</i> , 1995, 10, 3-14.	1.1	31

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55	Reply: Drumlin formation in southern Anglesey and Arvon, northwest Wales. <i>Journal of Quaternary Science</i> , 1995, 10, 398-399.	1.1	0
56	An investigation of the deforming layer/debris-rich basal-ice continuum, illustrated from three Alaskan glaciers. <i>Journal of Glaciology</i> , 1995, 41, 619-633.	1.1	35
57	Recent drumlins, flutes and lineations at Vestari-Hagafellsjökull, Iceland. <i>Journal of Glaciology</i> , 1995, 41, 596-606.	1.1	41
58	Subglacial erosion, deposition and deformation associated with deformable beds. <i>Progress in Physical Geography</i> , 1995, 19, 173-191.	1.4	117
59	Recent drumlins, flutes and lineations at Vestari-Hagafellsjökull, Iceland. <i>Journal of Glaciology</i> , 1995, 41, 596-606.	1.1	4
60	An investigation of the deforming layer/debris-rich basal-ice continuum, illustrated from three Alaskan glaciers. <i>Journal of Glaciology</i> , 1995, 41, 619-633.	1.1	8
61	Holocene book reviews: Environmental management handbook - the holistic approach-from problems to solutions Sven-Olof Ryding, Amsterdam: IOS Press, 1992, 797 pp., NLG 250/£80.00 hardback. ISBN 0-873-71753-8. <i>Holocene</i> , 1994, 4, 223-223.	0.9	0
62	Holocene book reviews : Green globe yearbook of international co-operation on environment and development, 1993. <i>Holocene</i> , 1994, 4, 443-443.	0.9	0
63	Criteria to distinguish between subglacial glaciotectonic and glaciomarine sedimentation, I. Deformation styles and sedimentology. <i>Sedimentary Geology</i> , 1994, 91, 191-213.	1.0	140
64	Till fabric associated with deformable beds. <i>Earth Surface Processes and Landforms</i> , 1994, 19, 15-32.	1.2	151
65	Proglacial glaciotectonic deformation at Melabakkarásbakkar, west Iceland. <i>Boreas</i> , 1994, 23, 112-121.	1.2	23
66	The use of computer-aided learning packages in glaciology and glacial geology. <i>Journal of Glaciology</i> , 1993, 39, 711-714.	1.1	0
67	The use of computer-aided learning packages in glaciology and glacial geology. <i>Journal of Glaciology</i> , 1993, 39, 711-714.	1.1	0
68	Sedimentary environments associated with Glacial Lake Trimmingham, Norfolk, UK. <i>Boreas</i> , 1992, 21, 119-136.	1.2	25
69	The interrelation of glaciotectonic and glaciodepositional processes within the glacial environment. <i>Quaternary Science Reviews</i> , 1991, 10, 335-350.	1.4	286
70	Styles of subglacial glaciotectonic deformation within the context of the anglian ice-sheet. <i>Earth Surface Processes and Landforms</i> , 1990, 15, 227-241.	1.2	142
71	Genetic classification of glaciogenic deposits. <i>Quaternary Science Reviews</i> , 1990, 9, 119-120.	1.4	1
72	Proglacial glaciotectonic deformation and the origin of the Cromer Ridge push moraine complex, North Norfolk, England. <i>Boreas</i> , 1990, 19, 165-180.	1.2	83