

Henry Patton

List of Publications by Year in descending order

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31
papers

1,665
citations

471509

17
h-index

501196

28
g-index

37
all docs

37
docs citations

37
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	The Eurasian Arctic: glacial landforms from the Last Glacial Maximum. , 2022, , 395-399.		1
2	The Eurasian Arctic. , 2022, , 59-64.		0
3	Hydrocarbon leakage driven by Quaternary glaciations in the Barents Sea based on 2D basin and petroleum system modeling. Marine and Petroleum Geology, 2022, 138, 105557.	3.3	4
4	The role of ocean and atmospheric dynamics in the marine-based collapse of the last Eurasian Ice Sheet. Communications Earth & Environment, 2022, 3, .	6.8	9
5	Glacially Induced Stress Across the Arctic From the Eemian Interglacial to the Presentâ€”Implications for Faulting and Methane Seepage. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	7
6	Cenozoic uplift and erosion of the Norwegian Barents Shelf â€” A review. Earth-Science Reviews, 2021, 217, 103609.	9.1	29
7	Icelandic permafrost dynamics since the Last Glacial Maximum â€” model results and geomorphological implications. Quaternary Science Reviews, 2020, 233, 106236.	3.0	16
8	Modification of bedrock surfaces by glacial abrasion and quarrying: Evidence from North Wales. Geomorphology, 2020, 365, 107283.	2.6	11
9	Elevation Changes of the Fennoscandian Ice Sheet Interior During the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2020GL088796.	4.0	15
10	Is there a climatic control on Icelandic volcanism?. Quaternary Science Advances, 2020, 1, 100004.	1.9	2
11	Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming. Nature Communications, 2018, 9, 83.	12.8	97
12	Subglacial water storage and drainage beneath the Fennoscandian and Barents Sea ice sheets. Quaternary Science Reviews, 2018, 201, 13-28.	3.0	23
13	The configuration, sensitivity and rapid retreat of the Late Weichselian Icelandic ice sheet. Earth-Science Reviews, 2017, 166, 223-245.	9.1	46
14	Deglaciation of the Eurasian ice sheet complex. Quaternary Science Reviews, 2017, 169, 148-172.	3.0	253
15	Massive blow-out craters formed by hydrate-controlled methane expulsion from the Arctic seafloor. Science, 2017, 356, 948-953.	12.6	177
16	Postglacial response of Arctic Ocean gas hydrates to climatic amelioration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6215-6220.	7.1	92
17	The build-up, configuration, and dynamical sensitivity of the Eurasian ice-sheet complex to Late Weichselian climatic and oceanic forcing. Quaternary Science Reviews, 2016, 153, 97-121.	3.0	138
18	Regulation of ice stream flow through subglacial formation of gas hydrates. Nature Geoscience, 2016, 9, 370-374.	12.9	38

#	ARTICLE	IF	CITATIONS
19	Distribution and characteristics of overdeepenings beneath the Greenland and Antarctic ice sheets: Implications for overdeepening origin and evolution. <i>Quaternary Science Reviews</i> , 2016, 148, 128-145.	3.0	39
20	Glacial isostatic adjustment associated with the Barents Sea ice sheet: A modelling inter-comparison. <i>Quaternary Science Reviews</i> , 2016, 147, 122-135.	3.0	58
21	Geophysical constraints on the dynamics and retreat of the Barents Sea ice sheet as a paleobenchmark for models of marine ice sheet deglaciation. <i>Reviews of Geophysics</i> , 2015, 53, 1051-1098.	23.0	68
22	Automated mapping of glacial overdeepenings beneath contemporary ice sheets: Approaches and potential applications. <i>Geomorphology</i> , 2015, 232, 209-223.	2.6	10
23	Amplified melt and flow of the Greenland ice sheet driven by late-summer cyclonic rainfall. <i>Nature Geoscience</i> , 2015, 8, 647-653.	12.9	107
24	Ice-ocean interaction and calving front morphology at two west Greenland tidewater outlet glaciers. <i>Cryosphere</i> , 2014, 8, 1457-1468.	3.9	88
25	The last Welsh Ice Cap: Part 2 – Dynamics of a topographically controlled icecap. <i>Boreas</i> , 2013, 42, 491-510.	2.4	17
26	The last Welsh Ice Cap: Part 1 – Modelling its evolution, sensitivity and associated climate. <i>Boreas</i> , 2013, 42, 471-490.	2.4	19
27	Rapid marine deglaciation: asynchronous retreat dynamics between the Irish Sea Ice Stream and terrestrial outlet glaciers. <i>Earth Surface Dynamics</i> , 2013, 1, 53-65.	2.4	13
28	Modelling the dynamic instabilities of the last British-Irish Ice Sheet. <i>Quaternary International</i> , 2012, 279-280, 369-370.	1.5	0
29	Evaluation of a numerical model of the British-Irish ice sheet using relative sea-level data: implications for the interpretation of trimline observations. <i>Journal of Quaternary Science</i> , 2012, 27, 597-605.	2.1	60
30	Ice-marginal sedimentation associated with the Late Devensian Welsh Ice Cap and the Irish Sea Ice Stream: Tonfanau, West Wales. <i>Proceedings of the Geologists Association</i> , 2009, 120, 256-274.	1.1	13
31	Dynamic cycles, ice streams and their impact on the extent, chronology and deglaciation of the British-Irish ice sheet. <i>Quaternary Science Reviews</i> , 2009, 28, 758-776.	3.0	214