

Andy Hodson

List of Publications by Year in descending order

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34
papers

2,390
citations

218662

26
h-index

395678

33
g-index

34
all docs

34
docs citations

34
times ranked

2171
citing authors

#	ARTICLE	IF	CITATIONS
1	GLACIAL ECOSYSTEMS. Ecological Monographs, 2008, 78, 41-67.	5.4	435
2	Photophysiology and albedo-changing potential of the ice algal community on the surface of the Greenland ice sheet. ISME Journal, 2012, 6, 2302-2313.	9.8	190
3	Contemporary rates of chemical denudation and atmospheric CO ₂ sequestration in glacier basins: an Arctic perspective. Earth Surface Processes and Landforms, 2000, 25, 1447-1471.	2.5	122
4	The structure, biological activity and biogeochemistry of cryoconite aggregates upon an Arctic valley glacier: Longyearbreen, Svalbard. Journal of Glaciology, 2010, 56, 349-362.	2.2	122
5	The microstructure and biogeochemistry of Arctic cryoconite granules. Annals of Glaciology, 2010, 51, 87-94.	1.4	111
6	A glacier respire: Quantifying the distribution and respiration CO ₂ flux of cryoconite across an entire Arctic supraglacial ecosystem. Journal of Geophysical Research, 2007, 112, .	3.3	109
7	Carbon fluxes through bacterial communities on glacier surfaces. Annals of Glaciology, 2010, 51, 32-40.	1.4	104
8	Suspended sediment and phosphorus in proglacial rivers: bioavailability and potential impacts upon the P status of ice-marginal receiving waters. Hydrological Processes, 2004, 18, 2409-2422.	2.6	99
9	Environmental Controls on Microbial Abundance and Activity on the Greenland Ice Sheet: A Multivariate Analysis Approach. Microbial Ecology, 2012, 63, 74-84.	2.8	93
10	Nitrogen fixation on Arctic glaciers, Svalbard. Journal of Geophysical Research, 2011, 116, .	3.3	91
11	The hydrochemistry of Bayelva, a high Arctic proglacial stream in Svalbard. Journal of Hydrology, 2002, 257, 91-114.	5.4	79
12	The cryoconite ecosystem on the Greenland ice sheet. Annals of Glaciology, 2010, 51, 123-129.	1.4	79
13	Climatically sensitive transfer of iron to maritime Antarctic ecosystems by surface runoff. Nature Communications, 2017, 8, 14499.	12.8	64
14	Biogeochemistry of snowmelt in an Antarctic glacial ecosystem. Water Resources Research, 2006, 42, .	4.2	61
15	Hydrological response of a High-Arctic catchment to changing climate over the past 35 years: a case study of Bayelva watershed, Svalbard. Polar Research, 2013, 32, 19691.	1.6	52
16	Controls on the autochthonous production and respiration of organic matter in cryoconite holes on high Arctic glaciers. Journal of Geophysical Research, 2012, 117, .	3.3	51
17	Chemical denudation and silicate weathering in Himalayan glacier basins: Batura Glacier, Pakistan. Journal of Hydrology, 2002, 262, 193-208.	5.4	50
18	Characterization of englacial channels by ground-penetrating radar: An example from austre BrÅggerbreen, Svalbard. Journal of Geophysical Research, 2003, 108, .	3.3	49

#	ARTICLE	IF	CITATIONS
19	Large cryoconite aggregates on a Svalbard glacier support a diverse microbial community including ammonia-oxidizing archaea. <i>Environmental Research Letters</i> , 2013, 8, 035044.	5.2	48
20	Chemical weathering and solute export by meltwater in a maritime Antarctic glacier basin. <i>Biogeochemistry</i> , 2010, 98, 9-27.	3.5	45
21	Cryospheric ecosystems: a synthesis of snowpack and glacial research. <i>Environmental Research Letters</i> , 2015, 10, 110201.	5.2	45
22	Glacier ecosystem response to episodic nitrogen enrichment in Svalbard, European High Arctic. <i>Biogeochemistry</i> , 2010, 98, 171-184.	3.5	42
23	Changes in meltwater chemistry over a 20-year period following a thermal regime switch from polythermal to cold-based glaciation at Austre Bråggerbreen, Svalbard. <i>Polar Research</i> , 2014, 33, 22779.	1.6	40
24	Theoretical framework and diagnostic criteria for the identification of palaeo-subglacial lakes. <i>Quaternary Science Reviews</i> , 2012, 53, 88-110.	3.0	35
25	Multi-year water and surface energy budget of a high-latitude polythermal glacier: evidence for overwinter water storage in a dynamic subglacial reservoir. <i>Annals of Glaciology</i> , 2005, 42, 42-46.	1.4	30
26	A blue-ice ecosystem on the margins of the East Antarctic ice sheet. <i>Journal of Glaciology</i> , 2013, 59, 255-268.	2.2	28
27	Using FTIR spectroscopy to characterise the soil mineralogy and geochemistry of cryoconite from Aldegondabreen glacier, Svalbard. <i>Applied Geochemistry</i> , 2011, 26, S206-S209.	3.0	25
28	Spatial Variability of Antarctic Surface Snow Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 461.	3.5	20
29	Reactive nitrogen and sulphate wet deposition at Zeppelin Station, Ny-Ålesund, Svalbard. <i>Polar Research</i> , 2013, 32, 19136.	1.6	18
30	Modelling the impacts of a nitrogen pollution event on the biogeochemistry of an Arctic glacier. <i>Annals of Glaciology</i> , 2010, 51, 163-170.	1.4	14
31	Nitrate postdeposition processes in Svalbard surface snow. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,953.	3.3	13
32	Microbial Cell Retention in a Melting High Arctic Snowpack, Svalbard. <i>Arctic, Antarctic, and Alpine Research</i> , 2014, 46, 471-482.	1.1	12
33	Groundwater Flow Through Continuous Permafrost Along Geological Boundary Revealed by Electrical Resistivity Tomography. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092757.	4.0	8
34	Phosphorus in Glacial Meltwaters. , 0, , 81-82.		6