

Cluster	Institution	No publications	No publication fractions	FWCI	Arctic intensity
6	Russian Academy of Sciences (RUS)	6645	3452.0	0.53	3.7%
3	University of Iceland (ISL)	2812	1416.1	0.97	32.6%
5	University of Tromsø – The Arctic University of Norway (NOR)	2956	1320.7	0.97	22.1%
1	University of Alaska Fairbanks (USA)	2649	1057.3	1.06	49.2%
6	Lomonosov Moscow State University (RUS)	1709	863.1	0.48	3.0%
1	National Oceanic and Atmospheric Administration (USA)	1745	658.2	1.32	10.5%
3	Umeå University (SWE)	1174	650.7	1.08	6.7%
1	University of Washington (USA)	1491	553.6	1.45	1.7%
1	United States Geological Survey (USA)	1456	529.5	1.11	7.9%
3	University of Oulu (FIN)	1095	514.6	0.95	6.2%
3	University of Copenhagen (DNK)	1470	506.0	1.16	1.9%
5	University of Oslo (NOR)	1432	505.7	1.15	3.0%
6	St. Petersburg State University (RUS)	1008	487.2	0.70	3.3%
2	Alfred Wegener Institute - Helmholtz Centre for Polar and Marine Research (DEU)	1665	473.5	1.53	29.6%
6	RAS - Siberian Branch (RUS)	1517	440.7	0.53	3.8%
7	Chinese Academy of Sciences (CHN)	1713	421.0	1.25	0.4%
3	Aarhus University (DNK)	1377	413.6	1.16	2.8%
5	Norwegian University of Science and Technology (NOR)	988	409.3	1.07	2.5%
5	University of Bergen (NOR)	1199	394.6	1.20	5.1%
4	University of Alberta (CAN)	976	387.5	1.09	1.7%
3	University of Helsinki (FIN)	1004	356.0	1.16	2.1%
4	Université Laval (CAN)	973	348.6	1.06	3.6%
2	CNRS (FRA)	2350	342.9	1.33	0.5%
4	Environment and Climate Change Canada (CAN)	1070	335.6	1.27	18.6%
6	RAS - P.P. Shirshov Institute of Oceanology (RUS)	909	334.1	0.56	28.9%
3	Stockholm University (SWE)	999	313.0	1.37	3.1%
4	Memorial University of Newfoundland (CAN)	593	299.8	1.14	4.6%
1	University of Colorado Boulder (USA)	1043	289.7	1.47	2.8%
4	Natural Resources Canada (CAN)	716	289.7	1.10	11.9%
4	Fisheries and Oceans Canada (CAN)	836	282.6	1.08	20.4%
4	University of British Columbia (CAN)	706	275.5	1.14	0.9%
4	University of Toronto (CAN)	674	269.7	1.39	0.5%
3	Swedish University of Agricultural Sciences (SWE)	660	263.2	1.20	4.7%
3	University of Lapland (FIN)	419	256.4	1.04	31.4%
3	Uppsala University (SWE)	686	248.8	1.09	1.5%
4	McGill University (CAN)	613	245.3	1.00	1.0%
4	University of Manitoba (CAN)	683	244.8	0.98	2.9%
6	Peter the Great St. Petersburg Polytechnic University (RUS)	356	244.2	1.92	2.3%
1	University of Alaska Anchorage (USA)	513	233.8	0.74	31.0%
2	University of Cambridge (GBR)	677	230.2	1.19	0.8%
5	Institute of Marine Research (NOR)	610	226.5	1.34	23.5%
3	Landsþitali University Hospital (ISL)	673	220.7	1.01	32.6%
3	Luleå University of Technology (SWE)	356	219.5	0.74	4.2%
4	University of Ottawa (CAN)	498	218.2	1.01	1.2%
6	Northern Arctic Federal University (RUS)	337	217.6	0.47	20.0%
5	University Centre in Svalbard (SJM)	777	208.4	1.19	70.9%
6	North-Eastern Federal University (RUS)	416	200.8	0.52	13.6%
6	Saint Petersburg Mining University (RUS)	247	199.6	1.60	5.5%

7	State Oceanic Administration China (CHN)	495	188.8	0.68	6.0%
3	Lund University (SWE)	567	186.7	1.08	1.3%
5	Geological Survey of Denmark and Greenland (DNK)	528	185.7	1.04	38.7%
1	Oregon State University (USA)	547	184.3	1.16	2.4%
4	University of Calgary (CAN)	443	184.2	0.86	1.0%
5	Technical University of Denmark (DNK)	502	181.1	1.18	1.5%
4	University of Saskatchewan (CAN)	450	180.7	0.98	2.1%
2	University of Bremen (DEU)	619	173.6	1.24	4.0%
6	RAS - Far Eastern Branch (RUS)	669	172.7	0.45	8.4%
7	Ocean University of China (CHN)	341	171.2	0.74	1.5%
5	Polish Academy of Sciences (POL)	633	170.4	0.96	1.3%
5	Norwegian Polar Institute (NOR)	682	170.2	1.45	70.1%
2	Hokkaido University (JPN)	454	169.8	0.88	1.4%
1	Columbia University (USA)	654	168.1	1.59	0.8%
1	Harvard University (USA)	571	165.8	1.65	0.3%
7	University of Chinese Academy of Sciences (CHN)	683	165.1	1.06	0.4%
4	Dalhousie University (CAN)	434	164.4	1.07	1.9%
1	Centers for Disease Control and Prevention (USA)	287	162.9	2.21	1.3%
1	Woods Hole Oceanographic Institution (USA)	519	160.0	1.52	11.3%
7	Nanjing University of Information Science & Technology (CHN)	432	156.6	0.97	2.0%
2	Korea Polar Research Institute (KOR)	430	156.4	0.67	23.9%
4	University of Waterloo (CAN)	355	155.7	0.94	1.0%
4	University of Victoria BC (CAN)	390	155.6	1.05	2.6%
1	Alaska Department of Fish and Game (USA)	406	153.0	0.78	73.0%
3	University of Gothenburg (SWE)	528	152.5	1.21	1.6%
5	Nord University (NOR)	290	149.7	1.16	9.7%
1	University of Wisconsin-Madison (USA)	396	146.1	1.18	0.6%
2	University of Oxford (GBR)	454	144.3	1.53	0.4%
3	Finnish Meteorological Institute (FIN)	456	143.7	1.41	16.8%
4	Carleton University (CAN)	393	143.3	1.14	2.5%
5	Norwegian Institute for Nature Research (NOR)	459	142.6	1.17	24.9%
2	Utrecht University (NLD)	567	142.0	1.69	1.0%
1	Stanford University (USA)	381	136.9	1.44	0.4%
5	Bjerknes Centre for Climate Research (NOR)	560	134.4	1.72	36.9%
5	University Hospital of North Norway (NOR)	389	134.1	1.02	16.0%
4	Queen's University Kingston (CAN)	305	133.4	1.02	1.4%
1	University of California at San Diego (USA)	416	133.3	1.70	0.6%
1	University of Michigan, Ann Arbor (USA)	375	131.3	1.28	0.4%
7	CAS - Institute of Atmospheric Physics (CHN)	531	130.4	1.39	7.5%
1	United States Fish & Wildlife Service (USA)	389	129.3	0.81	23.0%
1	Colorado State University (USA)	424	125.5	1.18	1.6%
2	Institut de recherche pour le développement (BFA)	1249	123.1	1.62	2.5%
2	University of Leeds (GBR)	435	121.0	1.42	1.1%
1	United States Department of Agriculture (USA)	330	120.7	0.95	0.7%
5	Norwegian University of Life Sciences (NOR)	332	120.6	1.06	4.7%
6	Murmansk Arctic State University (RUS)	181	119.6	0.59	49.5%
1	California Institute of Technology (USA)	545	119.5	1.67	1.7%
6	Industrial University of Tyumen (RUS)	180	119.5	1.16	5.7%
1	University of California at Los Angeles (USA)	385	118.8	1.42	0.4%
2	German Aerospace Center (DEU)	299	117.8	1.34	1.7%
2	Swiss Federal Institute of Technology Zurich (CHE)	439	114.7	1.60	0.7%
5	University of Stavanger (NOR)	198	114.0	0.67	2.5%
2	National Research Council of Italy (ITA)	395	113.4	0.96	0.5%
2	University of Edinburgh (GBR)	407	112.8	1.40	0.7%
7	Wuhan University (CHN)	225	112.8	0.75	0.3%
3	Reykjavík University (ISL)	245	112.3	0.98	11.0%
6	RAS - Ural Branch (RUS)	360	112.3	0.45	4.3%

3	Luke Natural Resources Institute Finland (FIN)	283	111.3	0.91	7.4%
2	Durham University (GBR)	317	110.3	1.37	1.5%
3	University of Eastern Finland (FIN)	307	108.9	1.14	2.1%
1	Texas A&M University (USA)	275	108.3	1.15	0.4%
1	University of Arizona (USA)	289	107.8	1.21	0.7%
2	University College London (GBR)	375	107.1	1.59	0.3%
4	University of Montreal (CAN)	303	106.7	0.90	0.6%
3	University of Southern Denmark (DNK)	324	106.5	0.92	1.2%
3	University of Turku (FIN)	282	106.1	0.94	1.4%
3	University of Akureyri (ISL)	229	105.8	1.08	50.8%
2	Japan Agency for Marine-Earth Science and Technology (JPN)	363	104.4	0.93	6.9%
1	University of Minnesota Twin Cities (USA)	318	103.8	1.25	0.4%
1	Pennsylvania State University (USA)	267	103.4	1.16	0.4%
6	Siberian Federal University (RUS)	195	103.3	0.92	2.6%
1	NASA Goddard Space Flight Center (USA)	449	103.0	1.76	3.2%
1	University of California at Davis (USA)	301	102.4	1.15	0.5%
3	Aalborg University (DNK)	204	100.4	0.90	0.7%
7	Ministry of Land and Resources P.R.C. (CHN)	278	99.9	0.56	2.0%
4	Greenland Institute of Natural Resources (GRL)	385	99.4	1.05	78.4%
2	Helmholtz Centre for Ocean Research Kiel (DEU)	389	98.9	1.35	10.2%
6	Russian State Hydrometeorological University (RUS)	179	98.8	1.52	24.9%
2	The University of Tokyo (JPN)	319	98.5	0.98	0.4%
2	University of Bristol (GBR)	363	97.7	1.37	0.9%
2	University of Exeter (GBR)	301	95.8	1.60	1.1%
5	SINTEF (NOR)	202	95.3	1.08	2.6%
5	Norwegian Institute for Water Research (NOR)	381	95.0	1.17	25.3%
5	Institute of Oceanology of the Polish Academy of Sciences (POL)	331	93.8	1.02	40.6%
2	University of Southampton (GBR)	402	93.4	1.44	1.0%
6	Tomsk State University (RUS)	316	93.4	0.78	2.2%
1	University of Maryland, College Park (USA)	333	92.9	1.64	0.7%
1	University of California at Irvine (USA)	308	92.0	1.80	0.8%
1	Jet Propulsion Laboratory, California Institute of Technology (USA)	475	92.0	1.73	3.3%
1	Cornell University (USA)	246	91.4	1.78	0.3%
5	Geological Survey of Norway (NOR)	253	91.1	1.00	30.8%
2	CSIC (ESP)	516	90.3	1.33	0.5%