John C Moore

List of Publications by Year
in descending order

200 papers	15,026 citations	41258 49 h-index	20900 115 g-index
220 all docs	220 docs citations	220 times ranked	16055 citing authors

#	Article	IF	Citations
1	Application of the cross wavelet transform and wavelet coherence to geophysical time series. Nonlinear Processes in Geophysics, 2004, 11, 561-566.	0.6	4,343
2	Climate instability during the last interglacial period recorded in the GRIP ice core. Nature, 1993, 364, 203-207.	13.7	805
3	Recent global sea level acceleration started over 200 years ago?. Geophysical Research Letters, 2008, 35, .	1.5	387
4	Long-term warming restructures Arctic tundra without changing net soil carbon storage. Nature, 2013, 497, 615-618.	13.7	350
5	Reconstructing sea level from paleo and projected temperatures 200 to 2100 ad. Climate Dynamics, 2010, 34, 461-472.	1.7	342
6	Influence of the Arctic Oscillation and El NiÃ±o-Southern Oscillation (ENSO) on ice conditions in the Baltic Sea: The wavelet approach. Journal of Geophysical Research, 2003, 108, .	3.3	329
7	Recent advances in carbon emissions reduction: policies, technologies, monitoring, assessment and modeling. Journal of Cleaner Production, 2015, 103, 1-12.	4.6	318
8	Dependence of the evolution of carbon dynamics in the northern permafrost region on the trajectory of climate change. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3882-3887.	3.3	296
9	Nonlinear trends and multiyear cycles in sea level records. Journal of Geophysical Research, 2006, 111, .	3.3	289
10	Electrical conductivity measurements from the GISP2 and GRIP Greenland ice cores. Nature, 1993, 366, 549-552.	13.7	258
11	Description and basic evaluation of Beijing Normal University Earth System Model (BNU-ESM) version 1. Geoscientific Model Development, 2014, 7, 2039-2064.	1.3	229
12	Climate model response from the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2013, 118, 8320-8332.	1.2	226
13	The hydrological impact of geoengineering in the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,036.	1.2	202
14	Ocean-driven thinning enhances iceberg calving and retreat of Antarctic ice shelves. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3263-3268.	3.3	182
15	Projected Atlantic hurricane surge threat from rising temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5369-5373.	3.3	177
16	How will sea level respond to changes in natural and anthropogenic forcings by 2100?. Geophysical Research Letters, 2010, 37, .	1.5	165
17	Trends and acceleration in global and regional sea levels since 1807. Global and Planetary Change, 2014, 113, 11-22.	1.6	163
18	Coastal sea level rise with warming above 2 Â°C. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13342-13347.	3.3	153

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19	Upper limit for sea level projections by 2100. Environmental Research Letters, 2014, 9, 104008.	2.2	141
20	The Geoengineering Model Intercomparison Project Phase 6 (GeoMIP6): simulation design and preliminary results. Geoscientific Model Development, 2015, 8, 3379-3392.	1.3	140
21	The impact of abrupt suspension of solar radiation management (termination effect) in experiment G2 of the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2013, 118, 9743-9752.	1.2	129
22	Extreme cyclone events in the Arctic: Wintertime variability and trends. Environmental Research Letters, 2017, 12, 094006.	2.2	123
23	Variability in the sensitivity among model simulations of permafrost and carbon dynamics in the permafrost region between 1960 and 2009. Global Biogeochemical Cycles, 2016, 30, 1015-1037.	1.9	116
24	Developed and developing world responsibilities for historical climate change and CO ₂ mitigation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12911-12915.	3.3	115
25	A multi-model assessment of regional climate disparities caused by solar geoengineering. Environmental Research Letters, 2014, 9, 074013.	2.2	101
26	Ice cores from Svalbardâ€"â€"useful archives of past climate and pollution history. Physics and Chemistry of the Earth, 2003, 28, 1217-1228.	1.2	98
27	Anthropogenic forcing dominates sea level rise since 1850. Geophysical Research Letters, 2009, 36, .	1.5	89
28	A continuous 770â€year record of volcanic activity from east Antarctica. Journal of Geophysical Research, 1991, 96, 17353-17359.	3.3	87
29	Changes in geometry and subglacial drainage of Midre LovÃ©nbreen, Svalbard, determined from digital elevation models. Earth Surface Processes and Landforms, 2003, 28, 273-298.	1.2	87
30	Homogeneous record of Atlantic hurricane surge threat since 1923. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19601-19605.	3.3	85
31	Termini of calving glaciers as self-organized critical systems. Nature Geoscience, 2014, 7, 874-878.	5.4	81
32	Effect of periodic melting on geochemical and isotopic signals in an ice core from Lomonosovfonna, Svalbard. Journal of Geophysical Research, 2002, 107, ACL 1-1.	3.3	79
33	Thousand years of winter surface air temperature variations in Svalbard and northern Norway reconstructed from ice-core data. Polar Research, 2011, 30, 7379.	1.6	78
34	Efficacy of geoengineering to limit 21st century sea-level rise. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15699-15703.	3.3	77
35	A multimodel examination of climate extremes in an idealized geoengineering experiment. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3900-3923.	1.2	75
36	Footprint of Research in Desertification Management in China. Land Degradation and Development, 2015, 26, 450-457.	1.8	75

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37	The chemical basis for the electrical stratigraphy of ice. Journal of Geophysical Research, 1992, 97, 1887-1896.	3.3	74
38	Spatial and temporal variability of snow accumulation using ground-penetrating radar and ice cores on a Svalbard glacier. Journal of Glaciology, 2002, 48, 417-424.	1.1	73
39	Simulated Arctic atmospheric feedbacks associated with late summer sea ice anomalies. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7698-7714.	1.2	71
40	Unprecedented low twentieth century winter sea ice extent in the Western Nordic Seas since A.D. 1200. Climate Dynamics, 2010, 34, 781-795.	1.7	67
41	Semiempirical and processâ€based global sea level projections. Reviews of Geophysics, 2013, 51, 484-522.	9.0	66
42	A new ice-core record from Lomonosovfonna, Svalbard: viewing the 1920â€"97 data in relation to present climate and environmental conditions. Journal of Glaciology, 2001, 47, 335-345.	1.1	63
43	An energetic perspective on hydrological cycle changes in the Geoengineering Model Intercomparison Project. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,087.	1.2	63
44	Review of geoengineering approaches to mitigating climate change. Journal of Cleaner Production, 2015, 103, 898-907.	4.6	62
45	Developing countries must lead on solar geoengineering research. Nature, 2018, 556, 22-24.	13.7	60
46	Diagnostic and prognostic simulations with a full Stokes model accounting for superimposed ice of Midtre LovÃ©nbreen, Svalbard. Cryosphere, 2009, 3, 217-229.	1.5	60
47	Methanesulfonic acid in a Svalbard Ice Core as an indicator of ocean climate. Geophysical Research Letters, 2000, 27, 1159-1162.	1.5	56
48	A particle based simulation model for glacier dynamics. Cryosphere, 2013, 7, 1591-1602.	1.5	56
49	Factors Controlling the Electrical Conductivity of Ice from the Polar RegionsA Summary. Journal of Physical Chemistry B, 1997, 101, 6090-6094.	1.2	55
50	Solar radiation management impacts on agriculture in China: A case study in the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2014, 119, 8695-8711.	1.2	53
51	Dielectric stratigraphy of ice: A new technique for determining total ionic concentrations in polar ice cores. Geophysical Research Letters, 1989, 16, 1177-1180.	1.5	50
52	Long-term changes in the acid and salt concentrations of the Greenland Ice Core Project ice core from electrical stratigraphy. Journal of Geophysical Research, 1995, 100, 16249.	3.3	49
53	Reconstruction of three centuries of annual accumulation rates based on the record of stable isotopes of water from Lomonosovfonna, Svalbard. Annals of Glaciology, 2002, 35, 57-62.	2.8	49
54	Regional Climate Impacts of Stabilizing Global Warming at 1.5 K Using Solar Geoengineering. Earth's Future, 2018, 6, 230-251.	2.4	49

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55	Microstructure and electrical properties of marine ice and its relationship to meteoric ice and sea ice. Journal of Geophysical Research, 1994, 99, 5171.	3.3	48
56	Climatic implications of background acidity and other chemistry derived from electrical studies of the Greenland Ice Core Project ice core. Journal of Geophysical Research, 1997, 102, 26325-26332.	3.3	48
57	Models of Radar Absorption in Europan Ice. Icarus, 2000, 147, 292-300.	1.1	48
58	Terrestrial ecosystem model performance in simulating productivity and its vulnerability to climate change in the northern permafrost region. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 430-446.	1.3	47
59	Using ground-penetrating radar to image previous yearsâ€™ summer surfaces for mass-balance measurements. Annals of Glaciology, 1997, 24, 355-360.	2.8	46
60	Antarctic blue ice areas - towards extracting palaeoclimate information. Antarctic Science, 2010, 22, 99-115.	0.5	45
61	Arctic sea ice and atmospheric circulation under the GeoMIP G1 scenario. Journal of Geophysical Research D: Atmospheres, 2014, 119, 567-583.	1.2	45
62	Simple procedure for ion chromatographic determination of anions and cations at trace levels in ice core samples. Analytica Chimica Acta, 1999, 389, 21-29.	2.6	44
63	Two ice-core Î´18O records from Svalbard illustrating climate and sea-ice variability over the last 400 years. Holocene, 2005, 15, 501-509.	0.9	44
64	Influence of large-scale atmospheric circulation on European sea level: results based on the wavelet transform method. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 183-193.	0.8	44
65	Radar absorption due to impurities in Antarctic ice. Geophysical Research Letters, 1993, 20, 1071-1074.	1.5	43
66	Coastal Sea level rise around the China Seas. Global and Planetary Change, 2019, 172, 454-463.	1.6	43
67	Singular spectrum analysis of Baltic Sea ice conditions and large-scale atmospheric patterns since 1708. Geophysical Research Letters, 2001, 28, 4503-4506.	1.5	42
68	The 800 year long ion record from the Lomonosovfonna (Svalbard) ice core. Journal of Geophysical Research, 2005, 110, .	3.3	42
69	Reconstruction of the historical temperature trend from measurements in a medium-length borehole on the Lomonosovfonna plateau, Svalbard. Annals of Glaciology, 2002, 35, 371-378.	2.8	41
70	Characterizing Surface Albedo of Shallow Fresh Snow and Its Importance for Snow Ablation on the Interior of the Tibetan Plateau. Journal of Hydrometeorology, 2020, 21, 815-827.	0.7	41
71	New tools for analyzing time series relationships and trends. Eos, 2005, 86, 226.	0.1	40
72	Separation of melting and environmental signals in an ice core with seasonal melt. Geophysical Research Letters, 2005, 32, .	1.5	40

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73	Electrical response of the Summit-Greenland ice core to ammonium, sulphuric acid, and hydrochloric acid. Geophysical Research Letters, 1994, 21, 565-568.	1.5	39
74	Dielectric Variability of a 130 m Antarctic Ice Core: Implications for Radar Sounding. Annals of Glaciology, 1988, 11, 95-99.	2.8	38
75	Glacier changes in southern Spitsbergen, Svalbard,1901â€“2000. Annals of Glaciology, 2003, 37, 219-225.	2.8	38
76	Evaluation of airâ€“soil temperature relationships simulated by land surface models during winter across the permafrost region. Cryosphere, 2016, 10, 1721-1737.	1.5	38
77	Oceanic and atmospheric transport of multiyear El NiÃ±oâ€“Southern Oscillation (ENSO) signatures to the polar regions. Geophysical Research Letters, 2004, 31, .	1.5	37
78	Impacts, effectiveness and regional inequalities of the GeoMIP G1 to G4 solar radiation management scenarios. Global and Planetary Change, 2015, 129, 10-22.	1.6	37
79	Response to marine cloud brightening in a multi-model ensemble. Atmospheric Chemistry and Physics, 2018, 18, 621-634.	1.9	37
80	Geoengineer polar glaciers to slow sea-level rise. Nature, 2018, 555, 303-305.	13.7	37
81	The methanesulfonic acid (MSA) record in a Svalbard ice core. Annals of Glaciology, 2005, 42, 345-351.	2.8	36
82	Is there evidence for sunspot forcing of climate at multi-year and decadal periods?. Geophysical Research Letters, 2006, 33, .	1.5	36
83	Glacier volume and area change by 2050 in high mountain Asia. Global and Planetary Change, 2014, 122, 197-207.	1.6	36
84	Arctic cryosphere response in the Geoengineering Model Intercomparison Project G3 and G4 scenarios. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1308-1321.	1.2	36
85	The drainage pattern of Hansbreen and Werenskioldbreen, two polythermal glaciers in Svalbard. Polar Research, 2003, 22, 355-371.	1.6	34
86	Atlantic hurricane surge response to geoengineering. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13794-13799.	3.3	34
87	Dielectric properties of ice containing acid and salt impurity at microwave and low frequencies. Journal of Geophysical Research, 1993, 98, 9769-9780.	3.3	33
88	Sensitivity of basal conditions in an inverse model: Vestfonna ice cap, Nordaustlandet/Svalbard. Cryosphere, 2012, 6, 771-783.	1.5	33
89	Unprecedented recent warming rate and temperature variability over the east Tibetan Plateau inferred from Alpine treeline dendrochronology. Climate Dynamics, 2015, 45, 1367-1380.	1.7	33
90	Chinaâ€™s Land-Use Changes during the Past 300 Years: A Historical Perspective. International Journal of Environmental Research and Public Health, 2016, 13, 847.	1.2	33

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91	A 800 year record of nitrate from the Lomonosovfonna ice core, Svalbard. Annals of Glaciology, 2002, 35, 261-265.	2.8	30
92	Diagnostic and model dependent uncertainty of simulated Tibetan permafrost area. Cryosphere, 2016, 10, 287-306.	1.5	29
93	Analysis of the Phenology in the Mongolian Plateau by Inter-Comparison of Global Vegetation Datasets. Remote Sensing, 2013, 5, 5193-5208.	1.8	28
94	Numerical simulations of Gurenhekou glacier on the Tibetan Plateau. Journal of Glaciology, 2014, 60, 71-82.	1.1	27
95	Will China be the first to initiate climate engineering?. Earth's Future, 2016, 4, 588-595.	2.4	27
96	Is a periglacial biota responsible for enhanced dielectric response in basal ice from the Greenland Ice Core Project ice core?. Journal of Geophysical Research, 1998, 103, 18885-18894.	3.3	26
97	The historical global sea-level budget. Annals of Glaciology, 2011, 52, 8-14.	2.8	26
98	The drainage pattern of Hansbreen and Werenskioldbreen, two polythermal glaciers in Svalbard. Polar Research, 2003, 22, 355-371.	1.6	26
99	A NEW TECHNIQUE FOR DIELECTRIC LOGGING OF ANTARCTIC ICE CORES. Journal De Physique Colloque, 1987, 48, C1-155-C1-160.	0.2	25
100	The Icelandic Laki volcanic tephra layer in the Lomonosovfonna ice core, Svalbard. Polar Research, 2005, 24, 33-40.	1.6	25
101	Observational evidence for volcanic impact on sea level and the global water cycle. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19730-19734.	3.3	25
102	Relative importance of mass and volume changes to global sea level rise. Journal of Geophysical Research, 2008, 113, .	3.3	25
103	Dynamic response of Antarctic ice shelves to bedrock uncertainty. Cryosphere, 2014, 8, 1561-1576.	1.5	25
104	Assessment of model estimates of land-atmosphere CO₂ exchange across Northern Eurasia. Biogeosciences, 2015, 12, 4385-4405.	1.3	25
105	Ice shelf fracture parameterization in an ice sheet model. Cryosphere, 2017, 11, 2543-2554.	1.5	25
106	Extreme temperature and precipitation response to solar dimming and stratospheric aerosol geoengineering. Atmospheric Chemistry and Physics, 2018, 18, 10133-10156.	1.9	25
107	Sea salt dependent electrical conduction in polar ice. Journal of Geophysical Research, 1992, 97, 19803-19812.	3.3	24
108	Svalbard summer melting, continentality, and sea ice extent from the Lomonosovfonna ice core. Journal of Geophysical Research, 2006, 111, .	3.3	24

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109	Lomonosovfonna and Holtedahlfonna ice cores reveal eastâ€“west disparities of the Spitsbergen environment since <scp>AD</scp> 1700. Journal of Glaciology, 2013, 59, 1069-1083.	1.1	24
110	Tropical atmospheric circulation response to the G1 sunshade geoengineering radiative forcing experiment. Atmospheric Chemistry and Physics, 2018, 18, 8689-8706.	1.9	23
111	Greenland Ice Sheet Response to Stratospheric Aerosol Injection Geoengineering. Earth's Future, 2019, 7, 1451-1463.	2.4	23
112	High-resolution dielectric profiling of ice cores. Journal of Glaciology, 1993, 39, 245-248.	1.1	22
113	Modeling the radio echo reflections inside the ice sheet at Summit, Greenland. Journal of Geophysical Research, 2002, 107, EPM 6-1.	3.3	22
114	Importance of basal processes in simulations of a surging Svalbard outlet glacier. Cryosphere, 2014, 8, 1393-1405.	1.5	22
115	Stopping the flood: could we use targeted geoengineering to mitigate sea level rise?. Cryosphere, 2018, 12, 2955-2967.	1.5	22
116	Simulating the roles of crevasse routing of surface water and basal friction on the surge evolution of Basin 3, Austfonna ice cap. Cryosphere, 2018, 12, 1563-1577.	1.5	22
117	A 20th-century record of naphthalene in an ice core from Svalbard. Annals of Glaciology, 2002, 35, 257-260.	2.8	21
118	Dating Antarctic blue ice areas using a novel ice flow model. Geophysical Research Letters, 2003, 30, .	1.5	21
119	Sulfate source inventories from a Svalbard ice core record spanning the Industrial Revolution. Journal of Geophysical Research, 2006, 111, .	3.3	21
120	Shortwave radiative forcing, rapid adjustment, and feedback to the surface by sulfate geoengineering: analysis of the Geoengineering Model Intercomparison ProjectÂG4 scenario. Atmospheric Chemistry and Physics, 2017, 17, 3339-3356.	1.9	21
121	Mitigation of Arctic permafrost carbon loss through stratospheric aerosol geoengineering. Nature Communications, 2020, 11, 2430.	5.8	21
122	Snow-accumulation studies in Antarctica with ground-penetrating radar using 50, 100 and 800 MHz antenna frequencies. Annals of Glaciology, 2003, 37, 194-198.	2.8	20
123	Interpreting ancient ice in a shallow ice core from the South Yamato (Antarctica) blue ice area using flow modeling and compositional matching to deep ice cores. Journal of Geophysical Research, 2006, 111, .	3.3	19
124	Impact of the GeoMIP G1 sunshade geoengineering experiment on the Atlantic meridional overturning circulation. Environmental Research Letters, 2017, 12, 034009.	2.2	19
125	The climate effects of increasing ocean albedo: an idealized representation of solar geoengineering. Atmospheric Chemistry and Physics, 2018, 18, 13097-13113.	1.9	19
126	Forcings and feedbacks in the GeoMIP ensemble for a reduction in solar irradiance and increase in CO₂. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5226-5239.	1.2	19

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127	Chinaâ€"Russia gas deal for a cleaner China. Nature Climate Change, 2014, 4, 940-942.	8.1	18
128	A 1200 year record of accumulation from northern Greenland. Annals of Glaciology, 1995, 21, 19-25.	2.8	17
129	Comparison of modelled and observed responses of a glacier snowpack to ground-penetrating radar. Annals of Glaciology, 2003, 37, 293-297.	2.8	17
130	Statistical extraction of volcanic sulphate from nonpolar ice cores. Journal of Geophysical Research, 2012, 117, .	3.3	17
131	Simulated high-latitude soil thermal dynamics during the past 4 decades. Cryosphere, 2016, 10, 179-192.	1.5	17
132	Firnâ€"ice transition-zone features of four polythermal glaciers in Svalbard seen by ground-penetrating radar. Annals of Glaciology, 2003, 37, 298-304.	2.8	16
133	Inferences from stable water isotopes on the Holocene evolution of Scharffenbergbotnen blue-ice area, East Antarctica. Journal of Glaciology, 2007, 53, 427-434.	1.1	16
134	How old is the ice beneath Dome A, Antarctica?. Cryosphere, 2014, 8, 1121-1128.	1.5	16
135	Impact of ocean forcing on the Aurora Basin in the 21st and 22nd centuries. Annals of Glaciology, 2016, 57, 79-86.	2.8	16
136	Constructing long-term (1948â€"2011) consumption-based emissions inventories. Journal of Cleaner Production, 2015, 103, 793-800.	4.6	15
137	The High Mountain Asia glacier contribution to sea-level rise from 2000 to 2050. Annals of Glaciology, 2016, 57, 223-231.	2.8	15
138	Impacts of three types of solar geoengineering on the Atlantic Meridional Overturning Circulation. Atmospheric Chemistry and Physics, 2022, 22, 4581-4597.	1.9	15
139	Spatial distribution and change in the surface iceâ€velocity field of vestfonna ice cap, nordaustlandet, svalbard, 1995â€"2010 using geodetic and satellite interferometry data. Geografiska Annaler, Series A: Physical Geography, 2011, 93, 323-335.	0.6	14
140	The Asia-Pacificâ€™s role in the emerging solar geoengineering debate. Climatic Change, 2017, 143, 1-12.	1.7	14
141	Brief communication: Understanding solar geoengineering's potential to limit sea level rise requires attention from cryosphere experts. Cryosphere, 2018, 12, 2501-2513.	1.5	14
142	Changes in Hadley circulation and intertropical convergence zone under strategic stratospheric aerosol geoengineering. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	14
143	Comparison of analytical results for chloride, sulfate and nitrate obtained from adjacent ice core samples by two ion chromatographic methods. Journal of Environmental Monitoring, 2004, 6, 147-152.	2.1	13
144	Singular spectrum analysis and envelope detection: methods of enhancing the utility of ground-penetrating radar data. Journal of Glaciology, 2006, 52, 159-163.	1.1	13

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145	Spatial and temporal variability of net accumulation from shallow cores from vestfonna ice cap (nordaustlandet, svalbard). Geografiska Annaler, Series A: Physical Geography, 2011, 93, 287-299.	0.6	13
146	Simulating the Evolution of Qiangtang No. 1 Glacier in the Central Tibetan Plateau to 2050. Arctic, Antarctic, and Alpine Research, 2017, 49, 1-12.	0.4	13
147	Glacier evolution in high-mountain Asia under stratospheric sulfate aerosol injection geoengineering. Atmospheric Chemistry and Physics, 2017, 17, 6547-6564.	1.9	13
148	Global streamflow and flood response to stratospheric aerosol geoengineering. Atmospheric Chemistry and Physics, 2018, 18, 16033-16050.	1.9	13
149	Targeted Geoengineering: Local Interventions with Global Implications. Global Policy, 2021, 12, 108-118.	1.0	13
150	A 14 year mass-balance record of a blue-ice area in Antarctica. Annals of Glaciology, 2003, 37, 213-218.	2.8	12
151	Arctic Summer Sea Ice Melt and Related Atmospheric Conditions in Coupled Regional Climate Model Simulations and Observations. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6027-6039.	1.2	12
152	Weakening of the Extratropical Storm Tracks in Solar Geoengineering Scenarios. Geophysical Research Letters, 2020, 47, e2020GL087348.	1.5	12
153	Comment on "Significance tests for the wavelet power and the wavelet power spectrum" by Ge (2007). Annales Geophysicae, 2012, 30, 1743-1750.	0.6	11
154	Key factors governing uncertainty in the response to sunshade geoengineering from a comparison of the GeoMIP ensemble and a perturbed parameter ensemble. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7946-7962.	1.2	11
155	Where is the 1-million-year-old ice at DomeÂA?. Cryosphere, 2018, 12, 1651-1663.	1.5	11
156	Non-uniform seasonal warming regulates vegetation greening and atmospheric CO ₂ amplification over northern lands. Environmental Research Letters, 2018, 13, 124008.	2.2	11
157	Influence of anisotropy on velocity and age distribution at Scharffenbergbotnen blue ice area. Cryosphere, 2014, 8, 607-621.	1.5	10
158	Simulated climate effects of desert irrigation geoengineering. Scientific Reports, 2017, 7, 46443.	1.6	10
159	The Icelandic Laki volcanic tephra layer in the Lomonosovfonna ice core, Svalbard. Polar Research, 2005, 24, 33-40.	1.6	10
160	Dynamics of the Scharffenbergbotnen blue-ice area, Dronning Maud Land, Antarctica. Annals of Glaciology, 2004, 39, 417-422.	2.8	9
161	A statistical examination of the effects of stratospheric sulfate geoengineering on tropical storm genesis. Atmospheric Chemistry and Physics, 2018, 18, 9173-9188.	1.9	9
162	Drivers for seasonal variability in sea level around the China seas. Global and Planetary Change, 2022, 213, 103819.	1.6	9

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163	Preface: the international polar year project â€˜kinnvikaâ€™â€“ arctic warming and impact research at 80Â° n. Geografiska Annaler, Series A: Physical Geography, 2011, 93, 201-208.	0.6	8
164	Potential for bias in 21st century semiempirical sea level projections. Journal of Geophysical Research, 2012, 117, .	3.3	8
165	HAAR WAVELET ANALYSIS OF CLIMATIC TIME SERIES. International Journal of Wavelets, Multiresolution and Information Processing, 2014, 12, 1450020.	0.9	8
166	Importance of basal boundary conditions in transient simulations: case study of a surging marine-terminating glacier on Austfonna, Svalbard. Journal of Glaciology, 2017, 63, 106-117.	1.1	8
167	High-resolution dielectric profiling of ice cores. Journal of Glaciology, 1993, 39, 245-248.	1.1	8
168	The Framework For Ice Sheetâ€“Ocean Coupling (FISOC) V1.1. Geoscientific Model Development, 2021, 14, 889-905.	1.3	7
169	Joint Inversion for Surface Accumulation Rate and Geothermal Heat Flow From Iceâ€Penetrating Radar Observations at Dome A, East Antarctica. Part I: Model Description, Data Constraints, and Inversion Results. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005937.	1.0	7
170	Glacier geoengineering to address sea-level rise: A geotechnical approach. Advances in Climate Change Research, 2020, 11, 401-414.	2.1	7
171	Comment on the subsidence adjustment applied to the Kemp et al. proxy of North Carolina relative sea level. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E781-2; author reply E783.	3.3	6
172	Simulated retreat of Jakobshavn IsbrÃ¦ during the 21st century. Cryosphere, 2019, 13, 3139-3153.	1.5	6
173	Impact of solar geoengineering on temperatures over the Indonesian Maritime Continent. International Journal of Climatology, 2022, 42, 2795-2814.	1.5	6
174	Physicsâ€Based Narrowband Optical Parameters for Snow Albedo Simulation in Climate Models. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	6
175	Gulf Stream and ENSO Increase the Temperature Sensitivity of Atlantic Tropical Cyclones. Journal of Climate, 2008, 21, 1523-1531.	1.2	5
176	Evidence from Wavelet Lag Coherence for Negligible Solar Forcing of Climate at Multi-year and Decadal Periods. , 2007, , 457-464.		5
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