

# J L Bamber

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221  
papers

13,291  
citations

55  
h-index

111  
g-index

281  
ext. papers

15,089  
ext. citations

6.5  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
221	A high-resolution Antarctic grounding zone product from ICESat-2 laser altimetry. <i>Earth System Science Data</i> , <b>2022</b> , 14, 535-557	10.5	0
220	How well are we able to close the water budget at the global scale?. <i>Hydrology and Earth System Sciences</i> , <b>2022</b> , 26, 35-54	5.5	3
219	The instantaneous impact of calving and thinning on the Larsen C Ice Shelf. <i>Cryosphere</i> , <b>2022</b> , 16, 883-904	5.5	2
218	Mass evolution of the Antarctic Peninsula over the last 2 decades from a joint Bayesian inversion. <i>Cryosphere</i> , <b>2022</b> , 16, 1349-1367	5.5	0
217	Land ice <b>2021</b> , 141-156		
216	Re-assessing global water storage trends from GRACE time series. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 034005	6.2	8
215	Sea Level Budgets Should Account for Ocean Bottom Deformation. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086492	4.9	7
214	Complex evolving patterns of mass loss from Antarctica's largest glacier. <i>Nature Geoscience</i> , <b>2020</b> , 13, 127-131	18.3	9
213	CryoSat Ice Baseline-D validation and evolutions. <i>Cryosphere</i> , <b>2020</b> , 14, 1889-1907	5.5	15
212	Measuring the location and width of the Antarctic grounding zone using CryoSat-2. <i>Cryosphere</i> , <b>2020</b> , 14, 2071-2086	5.5	3
211	Mapping the grounding zone of Larsen C Ice Shelf, Antarctica, from ICESat-2 laser altimetry. <i>Cryosphere</i> , <b>2020</b> , 14, 3629-3643	5.5	3
210	Can We Resolve the Basin-Scale Sea Level Trend Budget From GRACE Ocean Mass?. <i>Journal of Geophysical Research: Oceans</i> , <b>2020</b> , 125, e2019JC015535	3.3	13
209	Centennial response of Greenland's three largest outlet glaciers. <i>Nature Communications</i> , <b>2020</b> , 11, 5718	7.4	17
208	Cloud microphysics and circulation anomalies control differences in future Greenland melt. <i>Nature Climate Change</i> , <b>2019</b> , 9, 523-528	21.4	20
207	Ice sheet contributions to future sea-level rise from structured expert judgment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11195-11200	11.5	205
206	Role of Greenland Freshwater Anomaly in the Recent Freshening of the Subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , <b>2019</b> , 124, 3333-3360	3.3	30
205	Accuracy assessment and waveform analysis of CryoSat-2 SARIn mode data over Antarctica. <i>International Journal of Remote Sensing</i> , <b>2019</b> , 40, 8418-8431	3.1	1

204	Subglacial roughness of the Greenland Ice Sheet: relationship with contemporary ice velocity and geology. <i>Cryosphere</i> , <b>2019</b> , 13, 3093-3115	5.5	13
203	Mass variation observing system by high low inter-satellite links (MOBILE) – a new concept for sustained observation of mass transport from space. <i>Journal of Geodetic Science</i> , <b>2019</b> , 9, 48-58	1	7
202	Global ocean freshening, ocean mass increase and global mean sea level rise over 2005-2015. <i>Scientific Reports</i> , <b>2019</b> , 9, 17717	4.9	18
201	Surface Expression of Basal and Englacial Features, Properties, and Processes of the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 783-793	4.9	4
200	Bayesian model–data synthesis with an application to global glacio-isostatic adjustment. <i>Environmetrics</i> , <b>2019</b> , 30, e2530	1.3	1
199	Land Ice Freshwater Budget of the Arctic and North Atlantic Oceans: 1. Data, Methods, and Results. <i>Journal of Geophysical Research: Oceans</i> , <b>2018</b> , 123, 1827-1837	3.3	72
198	Recent progress in understanding climate thresholds: Ice sheets, the Atlantic meridional overturning circulation, tropical forests and responses to ocean acidification. <i>Progress in Physical Geography</i> , <b>2018</b> , 42, 24-60	3.5	14
197	JRA-55 based surface dataset for driving ocean–sea-ice models (JRA55-do). <i>Ocean Modelling</i> , <b>2018</b> , 130, 79-139	3	175
196	Geothermal Heat Flux Reveals the Iceland Hotspot Track Underneath Greenland. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8214-8222	4.9	43
195	A new global GPS data set for testing and improving modelled GIA uplift rates. <i>Geophysical Journal International</i> , <b>2018</b> , 214, 2164-2176	2.6	19
194	The land ice contribution to sea level during the satellite era. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 063008	6.2	126
193	Global sea-level budget 1993–present. <i>Earth System Science Data</i> , <b>2018</b> , 10, 1551-1590	10.5	244
192	Altimetry, gravimetry, GPS and viscoelastic modeling data for the joint inversion for glacial isostatic adjustment in Antarctica (ESA STSE Project REGINA). <i>Earth System Science Data</i> , <b>2018</b> , 10, 493-523	10.5	8
191	A constraint upon the basal water distribution and thermal state of the Greenland Ice Sheet from radar bed echoes. <i>Cryosphere</i> , <b>2018</b> , 12, 2831-2854	5.5	26
190	Generating synthetic fjord bathymetry for coastal Greenland. <i>Cryosphere</i> , <b>2017</b> , 11, 363-380	5.5	13
189	Dark ice dynamics of the south-west Greenland Ice Sheet. <i>Cryosphere</i> , <b>2017</b> , 11, 2491-2506	5.5	45
188	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11051-11061	4.9	343
187	Decreasing cloud cover drives the recent mass loss on the Greenland Ice Sheet. <i>Science Advances</i> , <b>2017</b> , 3, e1700584	14.3	100

186	Constraining the mass balance of East Antarctica. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4168-4175	4.9	20
185	Joint inversion estimate of regional glacial isostatic adjustment in Antarctica considering a lateral varying Earth structure (ESA STSE Project REGINA). <i>Geophysical Journal International</i> , <b>2017</b> , 211, 1534-1553	2.6	21
184	Mass balance reassessment of glaciers draining into the Abbot and Getz Ice Shelves of West Antarctica. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7328-7337	4.9	12
183	Antarctic Grounding Line Mapping From CryoSat-2 Radar Altimetry. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,886-11,893	4.9	6
182	Self-affine subglacial roughness: consequences for radar scattering and basal water discrimination in northern Greenland. <i>Cryosphere</i> , <b>2017</b> , 11, 1247-1264	5.5	37
181	An assessment of forward and inverse GIA solutions for Antarctica. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 6947-6965	3.6	38
180	Geodetic measurements reveal similarities between post-Last Glacial Maximum and present-day mass loss from the Greenland ice sheet. <i>Science Advances</i> , <b>2016</b> , 2, e1600931	14.3	79
179	Greenland freshwater pathways in the sub-Arctic Seas from model experiments with passive tracers. <i>Journal of Geophysical Research: Oceans</i> , <b>2016</b> , 121, 877-907	3.3	48
178	Spatial and temporal Antarctic Ice Sheet mass trends, glacio-isostatic adjustment, and surface processes from a joint inversion of satellite altimeter, gravity, and GPS data. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2016</b> , 121, 182-200	3.8	68
177	Emerging impact of Greenland meltwater on deepwater formation in the North Atlantic Ocean. <i>Nature Geoscience</i> , <b>2016</b> , 9, 523-527	18.3	158
176	Greenland Melt and the Atlantic Meridional Overturning Circulation <b>2016</b> , 29, 22-33		9
175	An ice-sheet-wide framework for englacial attenuation from ice-penetrating radar data. <i>Cryosphere</i> , <b>2016</b> , 10, 1547-1570	5.5	18
174	Modelled glacier dynamics over the last quarter of a century at Jakobshavn Isbr�. <i>Cryosphere</i> , <b>2016</b> , 10, 597-611	5.5	8
173	Land Ice <b>2016</b> , 63-77		
172	Paleofluvial landscape inheritance for Jakobshavn Isbr� catchment, Greenland. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6350-6357	4.9	14
171	Meltwater pathways from marine terminating glaciers of the Greenland ice sheet. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 10,873-10,882	4.9	37
170	Simultaneous solution for mass trends on the West Antarctic Ice Sheet. <i>Cryosphere</i> , <b>2015</b> , 9, 805-819	5.5	8
169	Accuracy and Performance of CryoSat-2 SARIn Mode Data Over Antarctica. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2015</b> , 12, 1516-1520	4.1	21

168	Modeling the instantaneous response of glaciers after the collapse of the Larsen B Ice Shelf. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5355-5363	4.9	33
167	Arctic circulation regimes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	109
166	River inundation suggests ice-sheet runoff retention. <i>Journal of Glaciology</i> , <b>2015</b> , 61, 776-788	3.4	16
165	A data-driven approach for assessing ice-sheet mass balance in space and time. <i>Annals of Glaciology</i> , <b>2015</b> , 56, 175-183	2.5	19
164	Glacier mass loss. Dynamic thinning of glaciers on the Southern Antarctic Peninsula. <i>Science</i> , <b>2015</b> , 348, 899-903	33.3	147
163	Multivariate spatio-temporal modelling for assessing Antarctica's present-day contribution to sea-level rise. <i>Environmetrics</i> , <b>2015</b> , 26, 159-177	1.3	18
162	Antarctic ice shelf thickness from CryoSat-2 radar altimetry. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,721-10,729	11.1	10
161	Spatial and temporal distribution of mass loss from the Greenland Ice Sheet since AD 1900. <i>Nature</i> , <b>2015</b> , 528, 396-400	50.4	162
160	Resolving the Antarctic contribution to sea-level rise: a hierarchical modelling framework. <i>Environmetrics</i> , <b>2014</b> , 25, 245-264	1.3	14
159	Sustained mass loss of the northeast Greenland ice sheet triggered by regional warming. <i>Nature Climate Change</i> , <b>2014</b> , 4, 292-299	21.4	171
158	Improved representation of East Antarctic surface mass balance in a regional atmospheric climate model. <i>Journal of Glaciology</i> , <b>2014</b> , 60, 761-770	3.4	156
157	Subglacial hydrological connectivity within the Byrd Glacier catchment, East Antarctica. <i>Journal of Glaciology</i> , <b>2014</b> , 60, 345-352	3.4	18
156	Time-evolving mass loss of the Greenland Ice Sheet from satellite altimetry. <i>Cryosphere</i> , <b>2014</b> , 8, 1725-1740	5.9	34
155	Sources of 21st century regional sea-level rise along the coast of northwest Europe. <i>Ocean Science</i> , <b>2014</b> , 10, 473-483	4	14
154	The land-ice contribution to 21st-century dynamic sea level rise. <i>Ocean Science</i> , <b>2014</b> , 10, 485-500	4	9
153	Limits in detecting acceleration of ice sheet mass loss due to climate variability. <i>Nature Geoscience</i> , <b>2013</b> , 6, 613-616	18.3	111
152	Paleofluvial mega-canyon beneath the central Greenland ice sheet. <i>Science</i> , <b>2013</b> , 341, 997-9	33.3	55
151	Calving fluxes and basal melt rates of Antarctic ice shelves. <i>Nature</i> , <b>2013</b> , 502, 89-92	50.4	399

150	Onset of Streaming Flow in the Siple Coast Region, West Antarctica. <i>Antarctic Research Series</i> , <b>2013</b> , 123-136	18
149	The gravitationally consistent sea-level fingerprint of future terrestrial ice loss. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 482-486	4.9 45
148	An expert judgement assessment of future sea level rise from the ice sheets. <i>Nature Climate Change</i> , <b>2013</b> , 3, 424-427	21.4 202
147	Influence of ice-sheet geometry and supraglacial lakes on seasonal ice-flow variability. <i>Cryosphere</i> , <b>2013</b> , 7, 1185-1192	5.5 69
146	Surface mass balance model intercomparison for the Greenland ice sheet. <i>Cryosphere</i> , <b>2013</b> , 7, 599-614	5.5 120
145	Antarctic ice-mass balance 2003 to 2012: regional reanalysis of GRACE satellite gravimetry measurements with improved estimate of glacial-isostatic adjustment based on GPS uplift rates. <i>Cryosphere</i> , <b>2013</b> , 7, 1499-1512	5.5 70
144	Bedmap2: improved ice bed, surface and thickness datasets for Antarctica. <i>Cryosphere</i> , <b>2013</b> , 7, 375-393	5.5 1184
143	A new bed elevation dataset for Greenland. <i>Cryosphere</i> , <b>2013</b> , 7, 499-510	5.5 291
142	Greenland subglacial lakes detected by radar. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6154-6159	4.9 49
141	Morphology and Surface Characteristics of the West Antarctic Ice Sheet. <i>Antarctic Research Series</i> , <b>2013</b> , 13-27	3
140	The Greenland Ice Sheet's surface mass balance in a seasonally sea ice-free Arctic. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2013</b> , 118, 1533-1544	3.8 16
139	Improved ice loss estimate of the northwestern Greenland ice sheet. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2013</b> , 118, 698-708	3.6 19
138	Recurring dynamically induced thinning during 1985 to 2010 on Upernavik Isstrøm, West Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2013</b> , 118, 111-121	3.8 23
137	Potential climatic transitions with profound impact on Europe. <i>Climatic Change</i> , <b>2012</b> , 110, 845-878	4.5 55
136	Timing and origin of recent regional ice-mass loss in Greenland. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 293-303	5.3 165
135	Evidence of a hydrological connection between the ice divide and ice sheet margin in the Aurora Subglacial Basin, East Antarctica. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	57
134	Exploration of parametric uncertainty in a surface mass balance model applied to the Greenland ice sheet. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	25
133	Spatiotemporal interpolation of elevation changes derived from satellite altimetry for Jakobshavn Isbrø Greenland. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	19

132	Geodetic corrections to Amazon River water level gauges using ICESat altimetry. <i>Water Resources Research</i> , <b>2012</b> , 48,	5.4	45
131	Recent large increases in freshwater fluxes from Greenland into the North Atlantic. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	234
130	The impact of a seasonally ice free Arctic Ocean on the temperature, precipitation and surface mass balance of Svalbard. <i>Cryosphere</i> , <b>2012</b> , 6, 35-50	5.5	22
129	Brief communication Greenland's shrinking ice cover: "fast times" but not that fast. <i>Cryosphere</i> , <b>2012</b> , 6, 533-537	5.5	34
128	Brief communication "Importance of slope-induced error correction in volume change estimates from radar altimetry". <i>Cryosphere</i> , <b>2012</b> , 6, 447-451	5.5	28
127	Aerial photographs reveal late-20th-century dynamic ice loss in northwestern Greenland. <i>Science</i> , <b>2012</b> , 337, 569-73	33.3	70
126	Marshall SJ (2011) The cryosphere. Princeton University Press, Princeton, NJ. 312pp. ISBN 978-0-691-14525-9, hardback, US\$24.95/£16.95. <i>Journal of Glaciology</i> , <b>2012</b> , 58, 809-809	3.4	
125	Seasonal variations in sea level induced by continental water mass: First results from GRACE. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	16
124	Tracking water level changes of the Amazon Basin with space-borne remote sensing and integration with large scale hydrodynamic modelling: A review. <i>Physics and Chemistry of the Earth</i> , <b>2011</b> , 36, 223-231	3	21
123	Ice Sheets and Sea Level: Thinking Outside the Box. <i>Surveys in Geophysics</i> , <b>2011</b> , 32, 495-505	7.6	46
122	Simulation of the time-variable gravity field by means of coupled geophysical models. <i>Earth System Science Data</i> , <b>2011</b> , 3, 19-35	10.5	30
121	Simulation of the time-variable gravity field by means of coupled geophysical models <b>2011</b> ,		1
120	Antarctic ice-shelf thickness from satellite radar altimetry. <i>Journal of Glaciology</i> , <b>2011</b> , 57, 485-498	3.4	96
119	Ice Sheets and Sea Level: Thinking Outside the Box. <i>Space Sciences Series of ISSI</i> , <b>2011</b> , 495-505	0.1	2
118	Short-term impacts of enhanced Greenland freshwater fluxes in an eddy-permitting ocean model. <i>Ocean Science</i> , <b>2010</b> , 6, 749-760	4	34
117	A comparison of basal reflectivity and ice velocity in East Antarctica. <i>Cryosphere</i> , <b>2010</b> , 4, 447-452	5.5	24
116	The sea level fingerprint of recent ice mass fluxes. <i>Cryosphere</i> , <b>2010</b> , 4, 621-627	5.5	57
115	Combined GRACE and InSAR estimate of West Antarctic ice mass loss. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		21

114	Sea-level fingerprint of continental water and ice mass change from GRACE. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	66
113	The sea-level conundrum: case studies from palaeo-archives. <i>Journal of Quaternary Science</i> , <b>2010</b> , 25, 19-25	2.3	26
112	A new 1 km digital elevation model of the Antarctic derived from combined satellite radar and laser data [Part 1: Data and methods. <i>Cryosphere</i> , <b>2009</b> , 3, 101-111	5.5	225
111	A new 1 km digital elevation model of Antarctica derived from combined radar and laser data [Part 2: Validation and error estimates. <i>Cryosphere</i> , <b>2009</b> , 3, 113-123	5.5	42
110	Partitioning recent Greenland mass loss. <i>Science</i> , <b>2009</b> , 326, 984-6	33.3	662
109	Basal conditions for Pine Island and Thwaites Glaciers, West Antarctica, determined using satellite and airborne data. <i>Journal of Glaciology</i> , <b>2009</b> , 55, 245-257	3.4	151
108	What happens when an ice sheet melts?. <i>Significance</i> , <b>2009</b> , 6, 122-125	0.5	
107	Reassessment of the potential sea-level rise from a collapse of the West Antarctic Ice Sheet. <i>Science</i> , <b>2009</b> , 324, 901-3	33.3	365
106	Glacial Isostatic Adjustment over Antarctica from combined ICESat and GRACE satellite data. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 288, 516-523	5.3	113
105	Higher surface mass balance of the Greenland ice sheet revealed by high-resolution climate modeling. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	390
104	Ice shelf thickness over Larsen C, Antarctica, derived from satellite altimetry. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	27
103	Recent Antarctic ice mass loss from radar interferometry and regional climate modelling. <i>Nature Geoscience</i> , <b>2008</b> , 1, 106-110	18.3	707
102	Subglacial topography inferred from ice surface terrain analysis reveals a large un-surveyed basin below sea level in East Antarctica. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	24
101	Assessment of Cloud Cover Characteristics in Satellite Datasets and Reanalysis Products for Greenland. <i>Journal of Climate</i> , <b>2008</b> , 21, 1837-1849	4.4	14
100	Evidence for ice flow prior to trough formation in the martian north polar layered deposits. <i>Icarus</i> , <b>2008</b> , 195, 90-105	3.8	24
99	Testing hypotheses of the cause of peripheral thinning of the Greenland Ice Sheet: is land-terminating ice thinning at anomalously high rates?. <i>Cryosphere</i> , <b>2008</b> , 2, 205-218	5.5	42
98	Impact of model physics on estimating the surface mass balance of the Greenland ice sheet. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	56
97	Remote Sensing Of Snow and Ice. <i>Photogrammetric Record</i> , <b>2007</b> , 22, 180-181	1.7	



96	Keel depths of modern Antarctic icebergs and implications for sea-floor scouring in the geological record. <i>Marine Geology</i> , <b>2007</b> , 243, 120-131	3.3	121
95	Rapid response of modern day ice sheets to external forcing. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 257, 1-13	5.3	74
94	A review of remote sensing methods for glacier mass balance determination. <i>Global and Planetary Change</i> , <b>2007</b> , 59, 138-148	4.2	107
93	Ice elevation and areal changes of glaciers from the Northern Patagonia Icefield, Chile. <i>Global and Planetary Change</i> , <b>2007</b> , 59, 126-137	4.2	128
92	Twenty-First-Century Climate Impacts from a Declining Arctic Sea Ice Cover. <i>Journal of Climate</i> , <b>2006</b> , 19, 1109-1125	4.4	111
91	Basal conditions beneath enhanced-flow tributaries of Slessor Glacier, East Antarctica. <i>Journal of Glaciology</i> , <b>2006</b> , 52, 481-490	3.4	25
90	East Antarctic ice stream tributary underlain by major sedimentary basin. <i>Geology</i> , <b>2006</b> , 34, 33	5	45
89	Switch-off of a major enhanced ice flow unit in East Antarctica. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	20
88	Subglacial geology in Coats Land, East Antarctica, revealed by airborne magnetics and radar sounding. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 244, 323-335	5.3	19
87	Integrating satellite observations with modelling: basal shear stress of the Filcher-Ronne ice streams, Antarctica. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2006</b> , 364, 1795-814	3	55
86	The accuracy of digital elevation models of the Antarctic continent. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 237, 516-523	5.3	56
85	Thickening of the ice stream catchments feeding the Filchner-Ronne Ice Shelf, Antarctica. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	38
84	A surface mass balance model for the Greenland Ice Sheet. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110, n/a-n/a		83
83	The Atmospheric Impact of Uncertainties in Recent Arctic Sea Ice Reconstructions. <i>Journal of Climate</i> , <b>2005</b> , 18, 3996-4012	4.4	11
82	Interpretation of the anomalous growth of Austfonna, Svalbard, a large Arctic ice cap. <i>Annals of Glaciology</i> , <b>2005</b> , 42, 373-379	2.5	12
81	Elevation changes measured on Svalbard glaciers and ice caps from airborne laser data. <i>Annals of Glaciology</i> , <b>2005</b> , 42, 202-208	2.5	48
80	Modelling Ice Sheet Dynamics with the Aid of Satellite-Derived Topography <b>2005</b> , 13-33		
79	Ice-elevation changes of Glaciar Chico, southern Patagonia, using ASTER DEMs, aerial photographs and GPS data. <i>Journal of Glaciology</i> , <b>2005</b> , 51, 105-112	3.4	55

78	Remote-sensing techniques <b>2004</b> , 59-114		4
77	Modelling land-ice dynamics <b>2004</b> , 169-226		7
76	Greenland: recent mass balance observations <b>2004</b> , 393-436		2
75	Greenland: modelling <b>2004</b> , 437-458		0
74	Antarctica: modelling <b>2004</b> , 491-524		4
73	Mass balance of the Antarctic ice sheet: observational aspects <b>2004</b> , 459-490		5
72	Conclusions, summary and outlook <b>2004</b> , 623-640		2
71	Modelling land-ice surface mass balance <b>2004</b> , 117-168		19
70	Anomalous recent growth of part of a large Arctic ice cap: Austfonna, Svalbard. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	53
69	The role of ice thickness and bed properties on the dynamics of the enhanced-flow tributaries of Bailey Ice Stream and Slessor Glacier, East Antarctica. <i>Annals of Glaciology</i> , <b>2004</b> , 39, 366-372	2.5	18
68	The englacial stratigraphy of Wilkes Land, East Antarctica, as revealed by internal radio-echo sounding layering, and its relationship with balance velocities. <i>Annals of Glaciology</i> , <b>2003</b> , 36, 189-196	2.5	19
67	Using internal layers from the Greenland ice sheet, identified from radio-echo sounding data, with numerical models. <i>Annals of Glaciology</i> , <b>2003</b> , 37, 325-330	2.5	13
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