

# Martin J Siegert

## 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.

252  
papers

10,912  
citations

46  
h-index

97  
g-index

303  
ext. papers

12,312  
ext. citations

6.3  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
252	Sixty years of coordination and support for Antarctic science [The role of SCAR <b>2022</b> , 9-40		
251	Antarctic Ice Sheet changes since the Last Glacial Maximum <b>2022</b> , 623-687		5
250	Antarctic Climate Evolution [Second edition <b>2022</b> , 1-7		0
249	Advances in numerical modelling of the Antarctic ice sheet <b>2022</b> , 199-218		5
248	The future evolution of Antarctic climate: conclusions and upcoming programmes <b>2022</b> , 769-775		
247	Dynamic flows create potentially habitable conditions in Antarctic subglacial lakes. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	4
246	A self-adaptive two-parameter method for characterizing roughness of multi-scale subglacial topography. <i>Journal of Glaciology</i> , <b>2021</b> , 67, 560-568	3.4	0
245	Reducing Uncertainty in 21st Century Sea-Level Predictions and Beyond. <i>Frontiers in Environmental Science</i> , <b>2021</b> , 9,	4.8	1
244	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude.. <i>Nature</i> , <b>2021</b> , 600, 450-455	50.4	2
243	Twenty-first century sea-level rise could exceed IPCC projections for strong-warming futures. <i>One Earth</i> , <b>2020</b> , 3, 691-703	8.1	17
242	Comparing numerical ice-sheet model output with radio-echo sounding measurements in the Weddell Sea sector of West Antarctica. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 188-197	2.5	1
241	Basal melting over Subglacial Lake Ellsworth and its catchment: insights from englacial layering. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 198-205	2.5	2
240	Reflections on the anomalous ANITA events: the Antarctic subsurface as a possible explanation. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 92-98	2.5	10
239	Insights into geological evolution of Princess Elizabeth Land, East Antarctica-clues for continental suturing and breakup since Rodinian time. <i>Gondwana Research</i> , <b>2020</b> , 84, 260-283	5.1	10
238	Forests and Decarbonization [Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , <b>2020</b> , 3,	3.7	14
237	Englacial Architecture and Age-Depth Constraints Across the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086663	4.9	9
236	Bed topography of Princess Elizabeth Land in East Antarctica. <i>Earth System Science Data</i> , <b>2020</b> , 12, 2765-2774	16.34	16

235	Large-scale englacial folding and deep-ice stratigraphy within the West Antarctic Ice Sheet. <i>Cryosphere</i> , <b>2020</b> , 14, 2103-2114	5.5	5
234	Subglacial lakes and hydrology across the Ellsworth Subglacial Highlands, West Antarctica. <i>Cryosphere</i> , <b>2020</b> , 14, 4507-4524	5.5	3
233	Automated detection and characterization of Antarctic basal units using radar sounding data: demonstration in Institute Ice Stream, West Antarctica. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 242-248	2.5	4
232	Radar Sounding Confirms a Hydrologically Active Deep-Water Subglacial Lake in East Antarctica. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	2
231	Integral correlation for uneven and differently sampled data, and its application to the Law Dome Antarctic climate record. <i>Scientific Reports</i> , <b>2020</b> , 10, 17477	4.9	3
230	Removal of "trip noise" in radio-echo sounding data using combined wavelet and 2-D DFT filtering. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 124-134	2.5	3
229	Five decades of radioglaciology. <i>Annals of Glaciology</i> , <b>2020</b> , 61, 1-13	2.5	24
228	Major Ice Sheet Change in the Weddell Sea Sector of West Antarctica Over the Last 5,000 Years. <i>Reviews of Geophysics</i> , <b>2019</b> , 57, 1197-1223	23.1	11
227	Radar-Detected Englacial Debris in the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10454-10462	4.9	14
226	The Antarctic Peninsula Under a 1.5°C Global Warming Scenario. <i>Frontiers in Environmental Science</i> , <b>2019</b> , 7,	4.8	53
225	Spatial Variability of Antarctic Surface Snow Bacterial Communities. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 461	5.7	8
224	Temporal sustainability efficiency analysis of urban areas via Data Envelopment Analysis and the hypervolume indicator: Application to London boroughs. <i>Journal of Cleaner Production</i> , <b>2019</b> , 239, 117839	10.3	7
223	Sustained Antarctic Research: A 21st Century Imperative. <i>One Earth</i> , <b>2019</b> , 1, 95-113	8.1	35
222	<i>Glaciology</i> <b>2019</b> , 27-55		
221	Multidecadal observations of the Antarctic ice sheet from restored analog radar records. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18867-18873	11.5	14
220	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
219	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
218	A 60-year international history of Antarctic subglacial lake exploration. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 7-21	1.7	8

217	Position and variability of complex structures in the central East Antarctic Ice Sheet. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 113-129	1.7	9
216	Choosing the future of Antarctica. <i>Nature</i> , <b>2018</b> , 558, 233-241	50.4	125
215	Spatio-temporal variability of processes across Antarctic ice-bed-ocean interfaces. <i>Nature Communications</i> , <b>2018</b> , 9, 2289	17.4	25
214	A deep subglacial embayment adjacent to the grounding line of Institute Ice Stream, West Antarctica. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 161-173	1.7	3
213	Exploration of subsurface Antarctica: uncovering past changes and modern processes. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 1-6	1.7	11
212	Ocean forced variability of Totten Glacier mass loss. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 175-186	1.7	20
211	Antarctic subglacial groundwater: a concept paper on its measurement and potential influence on ice flow. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 197-213	1.7	23
210	A new bed elevation model for the Weddell Sea sector of the West Antarctic Ice Sheet. <i>Earth System Science Data</i> , <b>2018</b> , 10, 711-725	10.5	16
209	Technology and the discovery of Antarctic subglacial landscapes <b>2018</b> , 435-441		
208	Ice-flow reorganization within the East Antarctic Ice Sheet deep interior. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 35-47	1.7	11
207	A mini-corer for precision sampling of the water-sediment interface in subglacial lakes and other remote aqueous environments. <i>Limnology and Oceanography: Methods</i> , <b>2018</b> , 16, 856-867	2.6	1
206	Hard rock landforms generate 130 km ice shelf channels through water focusing in basal corrugations. <i>Nature Communications</i> , <b>2018</b> , 9, 4576	17.4	13
205	Summit of the East Antarctic Ice Sheet underlain by thick ice-crystal fabric layers linked to glacial/interglacial environmental change. <i>Geological Society Special Publication</i> , <b>2018</b> , 461, 131-143	1.7	11
204	Anomalously high geothermal flux near the South Pole. <i>Scientific Reports</i> , <b>2018</b> , 8, 16785	4.9	34
203	Governance of the Exploration of Subglacial Antarctica. <i>Frontiers in Environmental Science</i> , <b>2018</b> , 6,	4.8	5
202	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
201	Evidence for the long-term sedimentary environment in an Antarctic subglacial lake. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 504, 139-151	5.3	13
200	Generating synthetic fjord bathymetry for coastal Greenland. <i>Cryosphere</i> , <b>2017</b> , 11, 363-380	5.5	13

199	Is there 1.5-million-year-old ice near Dome C, Antarctica?. <i>Cryosphere</i> , <b>2017</b> , 11, 2427-2437	5.5	29
198	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
197	Correlation confidence limits for unevenly sampled data. <i>Computers and Geosciences</i> , <b>2017</b> , 104, 120-124	4.5	6
196	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
195	A high-resolution synthetic bed elevation grid of the Antarctic continent. <i>Earth System Science Data</i> , <b>2017</b> , 9, 267-279	10.5	12
194	Antarctic subglacial lake exploration: first results and future plans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	18
193	The tectonic development and erosion of the Knox Subglacial Sedimentary Basin, East Antarctica. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 10,728	4.9	23
192	Delivering 21st century Antarctic and Southern Ocean science. <i>Antarctic Science</i> , <b>2016</b> , 28, 407-423	1.7	33
191	Distribution of subglacial sediments across the Wilkes Subglacial Basin, East Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2016</b> , 121, 790-813	3.8	19
190	Recent advances in understanding Antarctic subglacial lakes and hydrology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	73
189	An extensive subglacial lake and canyon system in Princess Elizabeth Land, East Antarctica. <i>Geology</i> , <b>2016</b> , 44, 87-90	5	21
188	Technologies for retrieving sediment cores in Antarctic subglacial settings. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	19
187	Optimal site selection for a high-resolution ice core record in East Antarctica. <i>Climate of the Past</i> , <b>2016</b> , 12, 595-610	3.9	13
186	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
185	Subglacial controls on the flow of Institute Ice Stream, West Antarctica. <i>Annals of Glaciology</i> , <b>2016</b> , 57, 19-24	2.5	26
184	Paleofluvial landscape inheritance for Jakobshavn Isbr� catchment, Greenland. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6350-6357	4.9	14
183	Deep radiostratigraphy of the East Antarctic plateau: connecting the Dome C and Vostok ice core sites. <i>Journal of Glaciology</i> , <b>2016</b> , 62, 323-334	3.4	40
182	Microbiology: lessons from a first attempt at Lake Ellsworth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	10

181	Repeated large-scale retreat and advance of Totten Glacier indicated by inland bed erosion. <i>Nature</i> , <b>2016</b> , 533, 385-9	50.4	81
180	Clean subglacial access: prospects for future deep hot-water drilling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	13
179	RESEARCH FOCUS: A wide variety of unique environments beneath the Antarctic ice sheet. <i>Geology</i> , <b>2016</b> , 44, 399-400	5	9
178	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , <b>2015</b> , 27, 3-18	1.7	118
177	Ocean access to a cavity beneath Totten Glacier in East Antarctica. <i>Nature Geoscience</i> , <b>2015</b> , 8, 294-298	18.3	118
176	Land-ice elevation changes from photon-counting swath altimetry: first applications over the Antarctic ice sheet. <i>Journal of Glaciology</i> , <b>2015</b> , 61, 17-28	3.4	17
175	Airborne radar evidence for tributary flow switching in Institute Ice Stream, West Antarctica: Implications for ice sheet configuration and dynamics. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2015</b> , 120, 1611-1625	3.8	27
174	Ancient pre-glacial erosion surfaces preserved beneath the West Antarctic Ice Sheet. <i>Earth Surface Dynamics</i> , <b>2015</b> , 3, 139-152	3.8	15
173	Ice-flow structure and ice dynamic changes in the Weddell Sea sector of West Antarctica from radar-imaged internal layering. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2015</b> , 120, 655-670	3.8	28
172	The subglacial geology of Wilkes Land, East Antarctica. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2390-2400	4.9	102
171	A temperate former West Antarctic ice sheet suggested by an extensive zone of subglacial meltwater channels. <i>Geology</i> , <b>2014</b> , 42, 971-974	5	21
170	An assessment of deep hot-water drilling as a means to undertake direct measurement and sampling of Antarctic subglacial lakes: experience and lessons learned from the Lake Ellsworth field season 2012/13. <i>Annals of Glaciology</i> , <b>2014</b> , 55, 59-73	2.5	45
169	Subglacial hydrological connectivity within the Byrd Glacier catchment, East Antarctica. <i>Journal of Glaciology</i> , <b>2014</b> , 60, 345-352	3.4	18
168	Boundary conditions of an active West Antarctic subglacial lake: implications for storage of water beneath the ice sheet. <i>Cryosphere</i> , <b>2014</b> , 8, 15-24	5.5	34
167	Sensitivity of the Weddell Sea sector ice streams to sub-shelf melting and surface accumulation. <i>Cryosphere</i> , <b>2014</b> , 8, 2119-2134	5.5	29
166	The Ellsworth Subglacial Highlands: Inception and retreat of the West Antarctic Ice Sheet. <i>Bulletin of the Geological Society of America</i> , <b>2014</b> , 126, 3-15	3.9	33
165	Corrigendum to "Boundary conditions of an active West Antarctic subglacial lake: implications for storage of water beneath the ice sheet" published in <i>The Cryosphere</i> , 8, 1524, 2014. <i>Cryosphere</i> , <b>2014</b> , 8, 123-123	5.5	1
164	Basal roughness of the Institute and Miller Ice Streams, West Antarctica: Process determination and landscape interpretation. <i>Geomorphology</i> , <b>2014</b> , 214, 139-147	4.3	30

163	Inland extent of the Weddell Sea Rift imaged by new aerogeophysical data. <i>Tectonophysics</i> , <b>2013</b> , 585, 137-160	3.1	55
162	Evidence from ice shelves for channelized meltwater flow beneath the Antarctic Ice Sheet. <i>Nature Geoscience</i> , <b>2013</b> , 6, 945-948	18.3	118
161	Paleofluvial mega-canyon beneath the central Greenland ice sheet. <i>Science</i> , <b>2013</b> , 341, 997-9	33.3	55
160	Late Holocene ice-flow reconfiguration in the Weddell Sea sector of West Antarctica. <i>Quaternary Science Reviews</i> , <b>2013</b> , 78, 98-107	3.9	39
159	Antarctic Earth Sciences: Preface. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , <b>2013</b> , 104, 1-1	0.9	10
158	Bedmap2: improved ice bed, surface and thickness datasets for Antarctica. <i>Cryosphere</i> , <b>2013</b> , 7, 375-393	5.5	1184
157	Greenland subglacial lakes detected by radar. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6154-6159	4.9	49
156	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
155	A fourth inventory of Antarctic subglacial lakes. <i>Antarctic Science</i> , <b>2012</b> , 24, 659-664	1.7	162
154	Clean access, measurement, and sampling of Ellsworth Subglacial Lake: A method for exploring deep Antarctic subglacial lake environments. <i>Reviews of Geophysics</i> , <b>2012</b> , 50,	23.1	53
153	Steep reverse bed slope at the grounding line of the Weddell Sea sector in West Antarctica. <i>Nature Geoscience</i> , <b>2012</b> , 5, 393-396	18.3	89
152	Time-dependence of the spatial pattern of accumulation rate in East Antarctica deduced from isochronic radar layers using a 3-D numerical ice flow model. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		29
151	A dynamic early East Antarctic Ice Sheet suggested by ice-covered fjord landscapes. <i>Nature</i> , <b>2011</b> , 474, 72-5	50.4	140
150	Holocene stability of the Amundsen-Weddell ice divide, West Antarctica. <i>Geology</i> , <b>2011</b> , 39, 935-938	5	28
149	Refined broad-scale sub-glacial morphology of Aurora Subglacial Basin, East Antarctica derived by an ice-dynamics-based interpolation scheme. <i>Cryosphere</i> , <b>2011</b> , 5, 551-560	5.5	31
148	The identification and physiographical setting of Antarctic subglacial lakes: An update based on recent discoveries. <i>Geophysical Monograph Series</i> , <b>2011</b> , 9-26	1.1	30
147	Vostok subglacial lake: A review of geophysical data regarding its discovery and topographic setting. <i>Geophysical Monograph Series</i> , <b>2011</b> , 45-60	1.1	19
146	Ellsworth Subglacial Lake, West Antarctica: A review of its history and recent field campaigns. <i>Geophysical Monograph Series</i> , <b>2011</b> , 221-233	1.1	10

145	Subglacial environments and the search for life beyond the Earth. <i>Geophysical Monograph Series</i> , <b>2011</b> , 129-148	1.1	7
144	Subglacial aquatic environments: A focus of 21st century Antarctic science. <i>Geophysical Monograph Series</i> , <b>2011</b> , 1-7	1.1	2
143	Probe technology for the direct measurement and sampling of Ellsworth Subglacial Lake. <i>Geophysical Monograph Series</i> , <b>2011</b> , 159-186	1.1	8
142	. <i>Geophysical Monograph Series</i> , <b>2011</b> ,	1.1	9
141	Location for direct access to subglacial Lake Ellsworth: An assessment of geophysical data and modeling. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	35
140	Characterization of subglacial landscapes by a two-parameter roughness index. <i>Journal of Glaciology</i> , <b>2010</b> , 56, 831-836	3.4	30
139	A subglacial water-flow model for West Antarctica. <i>Journal of Glaciology</i> , <b>2009</b> , 55, 879-888	3.4	90
138	Hydrological Connections between Antarctic Subglacial Lakes, the Flow of Water beneath the East Antarctic Ice Sheet and Implications for Sedimentary Processes <b>2009</b> , 3-10		9
137	A Brief Review on Modeling Sediment Erosion, Transport and Deposition by Former Large Ice Sheets <b>2009</b> , 53-64		
136	The Gamburtsev mountains and the origin and early evolution of the Antarctic Ice Sheet. <i>Nature</i> , <b>2009</b> , 459, 690-3	50.4	116
135	Dynamic distributed drainage implied by the flow evolution of the 1996-1998 Adventure Trench subglacial lake discharge. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 283, 24-37	5.3	42
134	Quantifying subglacial bed roughness in Antarctica: implications for ice-sheet dynamics and history. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 223-236	3.9	52
133	Science, geopolitics and the governance of Antarctica. <i>Nature Geoscience</i> , <b>2008</b> , 1, 143-145	18.3	16
132	The IGY and the ice sheet: surveying Antarctica. <i>Journal of Historical Geography</i> , <b>2008</b> , 34, 574-595	0.7	14
131	Late Weichselian ice-sheet sensitivity over Franz Josef Land, Russian High Arctic, from numerical modelling experiments. <i>Boreas</i> , <b>2008</b> , 24, 207-224	2.4	2
130	High sensitivity of subglacial hydrological pathways in Antarctica to small ice-sheet changes. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	55
129	Chapter 6 Numerical Modelling of the Antarctic Ice Sheet. <i>Developments in Earth and Environmental Sciences</i> , <b>2008</b> , 8, 235-256		1
128	On thick ice: scientific internationalism and Antarctic affairs, 1957-1980. <i>History and Technology</i> , <b>2008</b> , 24, 351-376	0.4	16



127	Accidents and opportunities: a history of the radio echo-sounding of Antarctica, 1958-79. <i>British Journal for the History of Science</i> , <b>2008</b> , 41, 417-444	0.2	17
126	Chapter 1 Antarctic Climate Evolution. <i>Developments in Earth and Environmental Sciences</i> , <b>2008</b> , 8, 1-11		3
125	Data in Antarctic Science and Politics. <i>Social Studies of Science</i> , <b>2008</b> , 38, 571-604	2.4	12
124	Recent advances in understanding Antarctic climate evolution. <i>Antarctic Science</i> , <b>2008</b> , 20, 313-325	1.7	26
123	Chapter 2 The International Polar Years: A History of Developments in Antarctic Climate Evolution. <i>Developments in Earth and Environmental Sciences</i> , <b>2008</b> , 8, 13-31		1
122	Chapter 13 Concluding Remarks: Recent Changes in Antarctica and Future Research. <i>Developments in Earth and Environmental Sciences</i> , <b>2008</b> , 8, 571-576		
121	Reconstructing glacier-based climates of LGM Europe and Russia [Part 2: A dataset of LGM precipitation/temperature relations derived from degree-day modelling of palaeo glaciers. <i>Climate of the Past</i> , <b>2008</b> , 4, 249-263	3.9	29
120	Reconstructing glacier-based climates of LGM Europe and Russia [Part 1: Numerical modelling and validation methods. <i>Climate of the Past</i> , <b>2008</b> , 4, 235-248	3.9	9
119	Reconstructing glacier-based climates of LGM Europe and Russia [Part 3: Comparison with previous climate reconstructions. <i>Climate of the Past</i> , <b>2008</b> , 4, 265-280	3.9	8
118	Antarctic subglacial topography and ice-sheet evolution. <i>Earth Surface Processes and Landforms</i> , <b>2008</b> , 33, 646-660	3.7	24
117	Organized flow from the South Pole to the Filchner-Ronne ice shelf: An assessment of balance velocities in interior East Antarctica using radio echo sounding data. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		38
116	Radar-derived bed roughness characterization of Institute and Müller ice streams, West Antarctica, and comparison with Siple Coast ice streams. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	24
115	Radio-Echo Sounding Over Polar Ice Masses. <i>Journal of Environmental and Engineering Geophysics</i> , <b>2007</b> , 12, 47-62	1	39
114	Modeling the refreezing of meltwater as superimposed ice on a high Arctic glacier: A comparison of approaches. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		37
113	Lake Glacial History of the Ross Sea Sector of the West Antarctic Ice Sheet: Evidence from Englacial Layering at Talos Dome, East Antarctica. <i>Journal of Environmental and Engineering Geophysics</i> , <b>2007</b> , 12, 63-67	1	2
112	West Antarctic balance calculations: Impact of flux-routing algorithm, smoothing algorithm and topography. <i>Computers and Geosciences</i> , <b>2006</b> , 32, 1780-1795	4.5	44
111	Quantifying the Mass Balance of Ice Caps on Severnaya Zemlya, Russian High Arctic. III: Sensitivity of Ice Caps in Severnaya Zemlya to Future Climate Change. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 21-33	1.8	11
110	Quantifying the Mass Balance of Ice Caps on Severnaya Zemlya, Russian High Arctic. I: Climate and Mass Balance of the Vavilov Ice Cap. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 1-12	1.8	18

109	Quantifying the Mass Balance of Ice Caps on Severnaya Zemlya, Russian High Arctic. II: Modeling the Flow of the Vavilov Ice Cap under the Present Climate. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 13-20	1.8	7
108	Exploration of Ellsworth Subglacial Lake: a concept paper on the development, organisation and execution of an experiment to explore, measure and sample the environment of a West Antarctic subglacial lake <b>2006</b> , 25-43		
107	East Antarctic ice stream tributary underlain by major sedimentary basin. <i>Geology</i> , <b>2006</b> , 34, 33	5	45
106	The Antarctic Subglacial Lake Vostok: Glaciology, Biology and Planetology. <i>Eos</i> , <b>2006</b> , 87, 464-464	1.5	
105	Switch-off of a major enhanced ice flow unit in East Antarctica. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	20
104	Contributions from glacially derived sediment to the global iron (oxyhydr)oxide cycle: Implications for iron delivery to the oceans. <i>Geochimica Et Cosmochimica Acta</i> , <b>2006</b> , 70, 2765-2780	5.5	188
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