

Martin J Siegert

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

13,615
citations

36303

51
h-index

27406

106
g-index

303
all docs

303
docs citations

303
times ranked

8523
citing authors

#	ARTICLE	IF	CITATIONS
1	Sixty years of coordination and support for Antarctic science – the role of SCAR. , 2022, , 9-40.		0
2	Antarctic Ice Sheet changes since the Last Glacial Maximum. , 2022, , 623-687.		6
3	Antarctic Climate Evolution – second edition. , 2022, , 1-7.		2
4	Advances in numerical modelling of the Antarctic ice sheet. , 2022, , 199-218.		5
5	The future evolution of Antarctic climate: conclusions and upcoming programmes. , 2022, , 769-775.		0
6	Subglacial lakes and their changing role in a warming climate. Nature Reviews Earth & Environment, 2022, 3, 106-124.	29.7	54
7	Dynamic flows create potentially habitable conditions in Antarctic subglacial lakes. Science Advances, 2021, 7, .	10.3	12
8	A self-adaptive two-parameter method for characterizing roughness of multi-scale subglacial topography. Journal of Glaciology, 2021, 67, 560-568.	2.2	3
9	Reducing Uncertainty in 21st Century Sea-Level Predictions and Beyond. Frontiers in Environmental Science, 2021, 9, .	3.3	6
10	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. Nature, 2021, 600, 450-455.	27.8	21
11	Removal of “strip noise” in radio-echo sounding data using combined wavelet and 2-D DFT filtering. Annals of Glaciology, 2020, 61, 124-134.	1.4	7
12	Radar Sounding Confirms a Hydrologically Active Deep-Water Subglacial Lake in East Antarctica. Frontiers in Earth Science, 2020, 8, .	1.8	4
13	Integral correlation for uneven and differently sampled data, and its application to the Law Dome Antarctic climate record. Scientific Reports, 2020, 10, 17477.	3.3	3
14	Twenty-first century sea-level rise could exceed IPCC projections for strong-warming futures. One Earth, 2020, 3, 691-703.	6.8	52
15	Comparing numerical ice-sheet model output with radio-echo sounding measurements in the Weddell Sea sector of West Antarctica. Annals of Glaciology, 2020, 61, 188-197.	1.4	1
16	Basal melting over Subglacial Lake Ellsworth and its catchment: insights from englacial layering. Annals of Glaciology, 2020, 61, 198-205.	1.4	2
17	Reflections on the anomalous ANITA events: the Antarctic subsurface as a possible explanation. Annals of Glaciology, 2020, 61, 92-98.	1.4	14
18	Insights into geological evolution of Princess Elizabeth Land, East Antarctica-clues for continental suturing and breakup since Rodinian time. Gondwana Research, 2020, 84, 260-283.	6.0	20

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19	Forests and Decarbonization – Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	63
20	Englacial Architecture and Age-Depth Constraints Across the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086663.	4.0	20
21	Five decades of radioglaciology. <i>Annals of Glaciology</i> , 2020, 61, 1-13.	1.4	74
22	Automated detection and characterization of Antarctic basal units using radar sounding data: demonstration in Institute Ice Stream, West Antarctica. <i>Annals of Glaciology</i> , 2020, 61, 242-248.	1.4	5
23	Bed topography of Princess Elizabeth Land in East Antarctica. <i>Earth System Science Data</i> , 2020, 12, 2765-2774.	9.9	34
24	Large-scale englacial folding and deep-ice stratigraphy within the West Antarctic Ice Sheet. <i>Cryosphere</i> , 2020, 14, 2103-2114.	3.9	12
25	Subglacial lakes and hydrology across the Ellsworth Subglacial Highlands, West Antarctica. <i>Cryosphere</i> , 2020, 14, 4507-4524.	3.9	8
26	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> , 2019, 239, 117839.	9.3	11
27	Sustained Antarctic Research: A 21st Century Imperative. <i>One Earth</i> , 2019, 1, 95-113.	6.8	54
28	Major Ice Sheet Change in the Weddell Sea Sector of West Antarctica Over the Last 5,000 Years. <i>Reviews of Geophysics</i> , 2019, 57, 1197-1223.	23.0	18
29	Radar-Detected Englacial Debris in the West Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 10454-10462.	4.0	18
30	The Antarctic Peninsula Under a 1.5°C Global Warming Scenario. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	117
31	Spatial Variability of Antarctic Surface Snow Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 461.	3.5	20
32	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> , 2019, 116, 18867-18873.	7.1	25
33	Subglacial roughness of the Greenland Ice Sheet: relationship with contemporary ice velocity and geology. <i>Cryosphere</i> , 2019, 13, 3093-3115.	3.9	25
34	Surface Expression of Basal and Englacial Features, Properties, and Processes of the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 783-793.	4.0	9
35	Heat and groundwater transport between the Antarctic Ice Sheet and subglacial sedimentary basins from electromagnetic geophysical measurements. , 2019, , .		1
36	<i>Glaciology</i> . , 2019, , 27-55.		0

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37	A 60-year international history of Antarctic subglacial lake exploration. Geological Society Special Publication, 2018, 461, 7-21.	1.3	10
38	Position and variability of complex structures in the central East Antarctic Ice Sheet. Geological Society Special Publication, 2018, 461, 113-129.	1.3	13
39	Ice-flow reorganization within the East Antarctic Ice Sheet deep interior. Geological Society Special Publication, 2018, 461, 35-47.	1.3	12
40	A mini-corer for precision sampling of the water-sediment interface in subglacial lakes and other remote aqueous environments. Limnology and Oceanography: Methods, 2018, 16, 856-867.	2.0	1
41	Hard rock landforms generate 130‰km ice shelf channels through water focusing in basal corrugations. Nature Communications, 2018, 9, 4576.	12.8	17
42	Summit of the East Antarctic Ice Sheet underlain by thick ice-crystal fabric layers linked to glacial-interglacial environmental change. Geological Society Special Publication, 2018, 461, 131-143.	1.3	11
43	Anomalously high geothermal flux near the South Pole. Scientific Reports, 2018, 8, 16785.	3.3	45
44	Governance of the Exploration of Subglacial Antarctica. Frontiers in Environmental Science, 2018, 6, .	3.3	14
45	A constraint upon the basal water distribution and thermal state of the Greenland Ice Sheet from radar bed echoes. Cryosphere, 2018, 12, 2831-2854.	3.9	35
46	Evidence for the long-term sedimentary environment in an Antarctic subglacial lake. Earth and Planetary Science Letters, 2018, 504, 139-151.	4.4	19
47	Choosing the future of Antarctica. Nature, 2018, 558, 233-241.	27.8	172
48	Spatio-temporal variability of processes across Antarctic ice-bed-ocean interfaces. Nature Communications, 2018, 9, 2289.	12.8	34
49	A deep subglacial embayment adjacent to the grounding line of Institute Ice Stream, West Antarctica. Geological Society Special Publication, 2018, 461, 161-173.	1.3	3
50	Exploration of subsurface Antarctica: uncovering past changes and modern processes. Geological Society Special Publication, 2018, 461, 1-6.	1.3	12
51	Ocean forced variability of Totten Glacier mass loss. Geological Society Special Publication, 2018, 461, 175-186.	1.3	36
52	Antarctic subglacial groundwater: a concept paper on its measurement and potential influence on ice flow. Geological Society Special Publication, 2018, 461, 197-213.	1.3	35
53	A new bed elevation model for the Weddell Sea sector of the West Antarctic Ice Sheet. Earth System Science Data, 2018, 10, 711-725.	9.9	19
54	Technology and the discovery of Antarctic subglacial landscapes. , 2018, , 435-441.		0

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55	Vulnerable Antarctic ice shelves. <i>Nature Climate Change</i> , 2017, 7, 11-12.	18.8	4
56	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. <i>Geophysical Research Letters</i> , 2017, 44, 11051-11061.	4.0	536
57	Correlation confidence limits for unevenly sampled data. <i>Computers and Geosciences</i> , 2017, 104, 120-124.	4.2	7
58	Self-affine subglacial roughness: consequences for radar scattering and basal water discrimination in northern Greenland. <i>Cryosphere</i> , 2017, 11, 1247-1264.	3.9	48
59	Generating synthetic fjord bathymetry for coastal Greenland. <i>Cryosphere</i> , 2017, 11, 363-380.	3.9	21
60	Is there 1.5-million-year-old ice near Dome C, Antarctica?. <i>Cryosphere</i> , 2017, 11, 2427-2437.	3.9	36
61	A high-resolution synthetic bed elevation grid of the Antarctic continent. <i>Earth System Science Data</i> , 2017, 9, 267-279.	9.9	16
62	An ice-sheet-wide framework for englacial attenuation from ice-penetrating radar data. <i>Cryosphere</i> , 2016, 10, 1547-1570.	3.9	20
63	Environmental Sciences in the Twenty-First Century. <i>Frontiers in Environmental Science</i> , 2016, 4, .	3.3	2
64	Subglacial controls on the flow of Institute Ice Stream, West Antarctica. <i>Annals of Glaciology</i> , 2016, 57, 19-24.	1.4	33
65	Paleofluvial landscape inheritance for Jakobshavn Isbr catchment, Greenland. <i>Geophysical Research Letters</i> , 2016, 43, 6350-6357.	4.0	18
66	Deep radiostratigraphy of the East Antarctic plateau: connecting the Dome C and Vostok ice core sites. <i>Journal of Glaciology</i> , 2016, 62, 323-334.	2.2	53
67	Microbiology: lessons from a first attempt at Lake Ellsworth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140291.	3.4	15
68	Repeated large-scale retreat and advance of Totten Glacier indicated by inland bed erosion. <i>Nature</i> , 2016, 533, 385-389.	27.8	98
69	Clean subglacial access: prospects for future deep hot-water drilling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140304.	3.4	19
70	RESEARCH FOCUS: A wide variety of unique environments beneath the Antarctic ice sheet. <i>Geology</i> , 2016, 44, 399-400.	4.4	10
71	Antarctic subglacial lake exploration: first results and future plans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140466.	3.4	21
72	The tectonic development and erosion of the Knox Subglacial Sedimentary Basin, East Antarctica. <i>Geophysical Research Letters</i> , 2016, 43, 10728.	4.0	28

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73	Delivering 21st century Antarctic and Southern Ocean science. <i>Antarctic Science</i> , 2016, 28, 407-423.	0.9	51
74	Preface. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150145.	3.4	0
75	Distribution of subglacial sediments across the Wilkes Subglacial Basin, East Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 790-813.	2.8	31
76	Recent advances in understanding Antarctic subglacial lakes and hydrology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140306.	3.4	90
77	An extensive subglacial lake and canyon system in Princess Elizabeth Land, East Antarctica. <i>Geology</i> , 2016, 44, 87-90.	4.4	30
78	Technologies for retrieving sediment cores in Antarctic subglacial settings. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150056.	3.4	24
79	Optimal site selection for a high-resolution ice core record in East Antarctica. <i>Climate of the Past</i> , 2016, 12, 595-610.	3.4	20
80	Land-ice elevation changes from photon-counting swath altimetry: first applications over the Antarctic ice sheet. <i>Journal of Glaciology</i> , 2015, 61, 17-28.	2.2	18
81	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> , 2015, 120, 1611-1625.	2.8	36
82	Ancient pre-glacial erosion surfaces preserved beneath the West Antarctic Ice Sheet. <i>Earth Surface Dynamics</i> , 2015, 3, 139-152.	2.4	17
83	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> , 2015, 120, 655-670.	2.8	37
84	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18.	0.9	158
85	Ocean access to a cavity beneath Totten Glacier in East Antarctica. <i>Nature Geoscience</i> , 2015, 8, 294-298.	12.9	158
86	The Future of Antarctic Subglacial Lake Exploration. <i>Eos</i> , 2015, 96, .	0.1	0
87	Boundary conditions of an active West Antarctic subglacial lake: implications for storage of water beneath the ice sheet. <i>Cryosphere</i> , 2014, 8, 15-24.	3.9	42
88	Sensitivity of the Weddell Sea sector ice streams to sub-shelf melting and surface accumulation. <i>Cryosphere</i> , 2014, 8, 2119-2134.	3.9	33
89	The Ellsworth Subglacial Highlands: Inception and retreat of the West Antarctic Ice Sheet. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 3-15.	3.3	44
90	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, 15-24, 2014. <i>Cryosphere</i> , 2014, 8, 123-123.	3.9	1

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91	Basal roughness of the Institute and MÅqller Ice Streams, West Antarctica: Process determination and landscape interpretation. <i>Geomorphology</i> , 2014, 214, 139-147.	2.6	38
92	The subglacial geology of Wilkes Land, East Antarctica. <i>Geophysical Research Letters</i> , 2014, 41, 2390-2400.	4.0	129
93	A temperate former West Antarctic ice sheet suggested by an extensive zone of subglacial meltwater channels. <i>Geology</i> , 2014, 42, 971-974.	4.4	24
94	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> , 2014, 55, 59-73.	1.4	59
95	Subglacial hydrological connectivity within the Byrd Glacier catchment, East Antarctica. <i>Journal of Glaciology</i> , 2014, 60, 345-352.	2.2	23
96	Inland extent of the Weddell Sea Rift imaged by new aerogeophysical data. <i>Tectonophysics</i> , 2013, 585, 137-160.	2.2	67
97	Evidence from ice shelves for channelized meltwater flow beneath the Antarctic Ice Sheet. <i>Nature Geoscience</i> , 2013, 6, 945-948.	12.9	163
98	Paleofluvial Mega-Canyon Beneath the Central Greenland Ice Sheet. <i>Science</i> , 2013, 341, 997-999.	12.6	63
99	Late Holocene ice-flow reconfiguration in the Weddell Sea sector of West Antarctica. <i>Quaternary Science Reviews</i> , 2013, 78, 98-107.	3.0	53
100	One minute withâ€¦ Martin Siegert. <i>New Scientist</i> , 2013, 217, 25.	0.0	0
101	Antarctic Earth Sciences: Preface. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2013, 104, 1-1.	0.3	17
102	Bedmap2: improved ice bed, surface and thickness datasets for Antarctica. <i>Cryosphere</i> , 2013, 7, 375-393.	3.9	1,455
103	Greenland subglacial lakes detected by radar. <i>Geophysical Research Letters</i> , 2013, 40, 6154-6159.	4.0	62
104	Steep reverse bed slope at the grounding line of the Weddell Sea sector in West Antarctica. <i>Nature Geoscience</i> , 2012, 5, 393-396.	12.9	109
105	Aquatic Plants. <i>Encyclopedia of Earth Sciences Series</i> , 2012, , 39-42.	0.1	0
106	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> , 2012, 117, .	3.3	68
107	Arab Region, Lakes and Reservoirs. <i>Encyclopedia of Earth Sciences Series</i> , 2012, , 43-53.	0.1	0
108	A fourth inventory of Antarctic subglacial lakes. <i>Antarctic Science</i> , 2012, 24, 659-664.	0.9	204

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109	Africa, Lakes Review. Encyclopedia of Earth Sciences Series, 2012, , 1-6.	0.1	0
110	Clean access, measurement, and sampling of Ellsworth Subglacial Lake: A method for exploring deep Antarctic subglacial lake environments. Reviews of Geophysics, 2012, 50, .	23.0	63
111	Timeâ€dependence of the spatial pattern of accumulation rate in East Antarctica deduced from isochronic radar layers using a 3â€ numerical ice flow model. Journal of Geophysical Research, 2011, 116, .	3.3	33
112	A dynamic early East Antarctic Ice Sheet suggested by ice-covered fjord landscapes. Nature, 2011, 474, 72-75.	27.8	167
113	Holocene stability of the Amundsen-Weddell ice divide, West Antarctica. Geology, 2011, 39, 935-938.	4.4	31
114	Refined broad-scale sub-glacial morphology of Aurora Subglacial Basin, East Antarctica derived by an ice-dynamics-based interpolation scheme. Cryosphere, 2011, 5, 551-560.	3.9	38
115	The identification and physiographical setting of Antarctic subglacial lakes: An update based on recent discoveries. Geophysical Monograph Series, 2011, , 9-26.	0.1	33
116	Vostok subglacial lake: A review of geophysical data regarding its discovery and topographic setting. Geophysical Monograph Series, 2011, , 45-60.	0.1	23
117	Ellsworth Subglacial Lake, West Antarctica: A review of its history and recent field campaigns. Geophysical Monograph Series, 2011, , 221-233.	0.1	11
118	Subglacial environments and the search for life beyond the Earth. Geophysical Monograph Series, 2011, , 129-148.	0.1	10
119	Subglacial aquatic environments: A focus of 21st century Antarctic science. Geophysical Monograph Series, 2011, , 1-7.	0.1	3
120	Probe technology for the direct measurement and sampling of Ellsworth Subglacial Lake. Geophysical Monograph Series, 2011, , 159-186.	0.1	8
121	Antarctic Subglacial Aquatic Environments. Geophysical Monograph Series, 2011, , .	0.1	12
122	Characterization of subglacial landscapes by a two-parameter roughness index. Journal of Glaciology, 2010, 56, 831-836.	2.2	36
123	Location for direct access to subglacial Lake Ellsworth: An assessment of geophysical data and modeling. Geophysical Research Letters, 2010, 37, .	4.0	45
124	A subglacial water-flow model for West Antarctica. Journal of Glaciology, 2009, 55, 879-888.	2.2	112
125	A Brief Review on Modeling Sediment Erosion, Transport and Deposition by Former Large Ice Sheets. , 2009, , 53-64.		0
126	The Gamburtsev mountains and the origin and early evolution of the Antarctic Ice Sheet. Nature, 2009, 459, 690-693.	27.8	150

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127	Dynamic distributed drainage implied by the flow evolution of the 1996â€“1998 Adventure Trench subglacial lake discharge. <i>Earth and Planetary Science Letters</i> , 2009, 283, 24-37.	4.4	48
128	Quantifying subglacial bed roughness in Antarctica: implications for ice-sheet dynamics and history. <i>Quaternary Science Reviews</i> , 2009, 28, 223-236.	3.0	63
129	Binge-Purge Cycles of Ice Sheet Dynamics. <i>Encyclopedia of Earth Sciences Series</i> , 2009, , 94-96.	0.1	0
130	Antarctic subglacial topography and ice-sheet evolution. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 646-660.	2.5	30
131	Science, geopolitics and the governance of Antarctica. <i>Nature Geoscience</i> , 2008, 1, 143-145.	12.9	24
132	The IGY and the ice sheet: surveying Antarctica. <i>Journal of Historical Geography</i> , 2008, 34, 574-595.	0.7	20
133	High sensitivity of subglacial hydrological pathways in Antarctica to small ice-sheet changes. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	64
134	Chapter 6 Numerical Modelling of the Antarctic Ice Sheet. <i>Developments in Earth and Environmental Sciences</i> , 2008, 8, 235-256.	0.1	1
135	On thick ice: scientific internationalism and Antarctic affairs, 1957â€“1980. <i>History and Technology</i> , 2008, 24, 351-376.	1.1	22
136	Accidents and opportunities: a history of the radio echo-sounding of Antarctica, 1958â€“79. <i>British Journal for the History of Science</i> , 2008, 41, 417-444.	0.7	22
137	Chapter 1 Antarctic Climate Evolution. <i>Developments in Earth and Environmental Sciences</i> , 2008, 8, 1-11.	0.1	8
138	Data in Antarctic Science and Politics. <i>Social Studies of Science</i> , 2008, 38, 571-604.	2.5	15
139	Recent advances in understanding Antarctic climate evolution. <i>Antarctic Science</i> , 2008, 20, 313-325.	0.9	28
140	Chapter 2 The International Polar Years: A History of Developments in Antarctic Climate Evolution. <i>Developments in Earth and Environmental Sciences</i> , 2008, 8, 13-31.	0.1	2
141	Chapter 13 Concluding Remarks: Recent Changes in Antarctica and Future Research. <i>Developments in Earth and Environmental Sciences</i> , 2008, 8, 571-576.	0.1	0
142	Reconstructing glacier-based climates of LGM Europe and Russia â€“ Part 2: A dataset of LGM precipitation/temperature relations derived from degree-day modelling of palaeo glaciers. <i>Climate of the Past</i> , 2008, 4, 249-263.	3.4	33
143	Reconstructing glacier-based climates of LGM Europe and Russia â€“ Part 1: Numerical modelling and validation methods. <i>Climate of the Past</i> , 2008, 4, 235-248.	3.4	9
144	Reconstructing glacier-based climates of LGM Europe and Russia â€“ Part 3: Comparison with previous climate reconstructions. <i>Climate of the Past</i> , 2008, 4, 265-280.	3.4	9

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145	Modeling the refreezing of meltwater as superimposed ice on a high Arctic glacier: A comparison of approaches. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	44
146	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> , 2007, 112, .	3.3	43
147	Radar-derived bed roughness characterization of Institute and MÅller ice streams, West Antarctica, and comparison with Siple Coast ice streams. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	33
148	Radio-Echo Sounding Over Polar Ice Masses. <i>Journal of Environmental and Engineering Geophysics</i> , 2007, 12, 47-62.	0.5	55
149	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> , 2007, 12, 63-67.	0.5	2
150	East Antarctic ice stream tributary underlain by major sedimentary basin. <i>Geology</i> , 2006, 34, 33.	4.4	53
151	The Antarctic Subglacial Lake Vostok: <i>Glaciology, Biology and Planetology</i> . <i>Eos</i> , 2006, 87, 464-464.	0.1	0
152	Switch-off of a major enhanced ice flow unit in East Antarctica. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	24
153	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> , 2006, 70, 2765-2780.	3.9	216
154	Modelling iceberg trajectories, sedimentation rates and meltwater input to the ocean from the Eurasian Ice Sheet at the Last Glacial Maximum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 236, 135-150.	2.3	47
155	Rapid discharge connects Antarctic subglacial lakes. <i>Nature</i> , 2006, 440, 1033-1036.	27.8	384
156	West Antarctic balance calculations: Impact of flux-routing algorithm, smoothing algorithm and topography. <i>Computers and Geosciences</i> , 2006, 32, 1780-1795.	4.2	47
157	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> , 2006, 38, 21-33.	1.1	12
158	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> , 2006, 38, 1-12.	1.1	21
159	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> , 2006, 38, 13-20.	1.1	8
160	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. , 2006, , 25-43.		0
161	Incorporation of particulates into accreted ice above subglacial Vostok lake, Antarctica. <i>Annals of Glaciology</i> , 2005, 40, 145-150.	1.4	19
162	Modelling the impact of superimposed ice on the mass balance of an Arctic glacier under scenarios of future climate change. <i>Annals of Glaciology</i> , 2005, 42, 277-283.	1.4	22

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163	Radio-echo layering in West Antarctica: a spreadsheet dataset. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 1583-1591.	2.5	8
164	WITH A CAMERA IN MY HANDS: WILLIAM O. FIELD, PIONEERING GLACIOLOGIST. As told to C. Suzanne Brown. 2004. Fairbanks: University of Alaska Press. xxiv + 184 p, illustrated, soft cover. ISBN 1-889963-47-X. <i>Polar Record</i> , 2005, 41, 175-176.	0.8	0
165	Reviewing the origin of subglacial Lake Vostok and its sensitivity to ice sheet changes. <i>Progress in Physical Geography</i> , 2005, 29, 156-170.	3.2	11
166	A revised inventory of Antarctic subglacial lakes. <i>Antarctic Science</i> , 2005, 17, 453-460.	0.9	268
167	LAKES BENEATH THE ICE SHEET: The Occurrence, Analysis, and Future Exploration of Lake Vostok and Other Antarctic Subglacial Lakes. <i>Annual Review of Earth and Planetary Sciences</i> , 2005, 33, 215-245.	11.0	53
168	Spectral roughness of subglacial topography and implications for former ice-sheet dynamics in East Antarctica. <i>Global and Planetary Change</i> , 2005, 45, 249-263.	3.5	67
169	Exploring subglacial Antarctic lake environments. <i>Eos</i> , 2005, 86, 193.	0.1	19
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