

MEMBER COUNTRY: Switzerland
National Report to SCAR For year : 2015

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
	Swiss Committee on Polar and High Altitude Research (SKPH)					www.polar-research.ch
	Swiss Academies of Arts and Sciences					
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Standing Scientific Groups						
Life Sciences						
1)	Prof. Jan Pawlowski	Department of Genetics & Evolution Sciences III, University of	+41 22 379 30 69	+41 22 379 67 70	Jan.Pawlowski@unige.ch	http://genev.unige.ch/en/users/Jan-Pawlowski

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1) 2)	Dr. Martin Schneebeli	Snow Physics Institut für Schnee- und Lawinenforschung, SLF WSL Flüelastrasse 11 CH-7260 Davos Dorf Switzerland	+41 81 417 01 81	+41 81 417 01 10	schneebeli@slf.ch	http://www.slf.ch/ueber/mitarbeiter/homepages/schneebm/index_EN
1) 2) 3)	Prof Konrad Steffen Dr. Katherine Colby Leonard Dr. Martin Vollmer	Director WSL Zürcherstrasse 111 CH-8903 Birmensdorf Switzerland WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 7260 Davos Dorf Switzerland Empa Air Pollution / Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf Switzerland	+41 44 739 24 55	+41 44 739 25 75	konrad.steffen@wsl.ch katherine.leonard@wsl.ch Martin.Vollmer@empa.ch	http://www.wsl.ch/info/mitarbeitende/steffen http://www.wsl.ch/info/mitarbeitende/leonard/index_EN http://www.empa.ch/plugin/template/empa/*/51015/---/l=2

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
1) AAA						
1) AntEco						
1) AnT-ERA						
1) AntClim21						
1) PAIS						
1) SERCE						
Standing Committees						
1) SCADM						
1) SCAGI						
Other Groups (optional)						
SOOS						

An optional report summarising scientific highlights of the past year may be included below.

Publications List 2014

PT	AU	CA	TI	SO	VL	IS	SI	BP	EP	AR	DI	PD	UT
J	Hayes, Christopher T.; Martinez-Garcia, Alfredo; Hasenfratz, Adam P.; Jaccard, Samuel L.; Hodell, David A.; Sigman, Daniel M.; Haug, Gerald H.; Anderson, Robert F.		A stagnation event in the deep South Atlantic during the last interglacial period	SCIENCE	346		6216	1514	1517		10.1126/science.1256620	DEC 19 2014	WOS:000346536500064
J	Damerau, Malte; Salzburger, Walter; Hanel, Reinhold		Population genetic structure of <i>Lepidonotothen larseni</i> revisited: cyb and microsatellites suggest limited connectivity in the Southern Ocean	MARINE ECOLOGY PROGRESS SERIES	517			251	263		10.3354/meps11061	DEC 15 2014	WOS:000346421400019
J	Fogwill, C. J.; Turney, C. S. M.; Gollledge, N. R.; Rood, D. H.; Hippe, K.; Wacker, L.; Wieler, R.; Rainsley, E. B.; Jones, R. S.		Drivers of abrupt Holocene shifts in West Antarctic ice stream direction determined from combined ice sheet modelling and geologic signatures	ANTARCTIC SCIENCE	26		6	SI	674	686	10.1017/S095410201400006	Dec-14	WOS:000344736100009
J	Welker, Christoph; Martius, Olivia; Froidevaux, Paul; Reijmer, Carleen H.; Fischer, Hubertus		A climatological analysis of high-precipitation events in Dronning Maud Land, Antarctica, and associated large-scale atmospheric conditions	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	119		21		11932	11954	10.1002/2014JD022259	NOV 16 2014	WOS:000345696600032
J	Churakova (Sidorova), Olga V.; Bryukhanova, Marina V.; Saurer, Matthias; Boettger, Tatjana; Naurzbaev, Mukhtar M.; Myglan, Vladimir S.; Vaganov, Eugene A.; Hughes, Malcolm K.; Siegwolf, Rolf T. W.		A cluster of stratospheric volcanic eruptions in the AD 530s recorded in Siberian tree rings	GLOBAL AND PLANETARY CHANGE	122				140	150	10.1016/j.gloplacha.2014.0	Nov-14	WOS:000345488600012
J	Pedersen, Vivi K.; Huismans, Ritske S.; Herman, Frederic; Egholm, David L.		Controls of initial topography on temporal and spatial patterns of glacial erosion	GEOMORPHOLOGY	223				96	116	10.1016/j.geomorph.2014.0	OCT 15 2014	WOS:000341480900011
J	Cedhagen, Tomas; Cheah, Wee; Bracher, Astrid; Lejzerowicz, Franck		Algal pigments in Southern Ocean abyssal foraminiferans indicate pelagobenthic coupling	DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY	108		SI		27	32	10.1016/j.dsr2.2014.07.017	Oct-14	WOS:000345110800004
J	Kersken, Daniel; Goecke, Christian; Brandt, Angelika; Lejzerowicz, Franck; Schwabe, Enrico; Seefeldt, Meike Anna; Veit-Koehler, Gritta; Janussen, Dorte		The infauna of three widely distributed sponge species (Hexactinellida and Demospongiae) from the deep Ekstrom Shelf in the Weddell Sea, Antarctica	DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY	108		SI		101	112	10.1016/j.dsr2.2014.06.005	Oct-14	WOS:000345110800012
J	Li, Yiming; Liu, Xuan; Li, Xianping; Petitpierre, Blaise; Guisan, Antoine		Residence time, expansion toward the equator in the invaded range and native range size matter to climatic niche shifts in non-native species	GLOBAL ECOLOGY AND BIOGEOGRAPHY	23		10		1094	1104	10.1111/geb.12191	Oct-14	WOS:000341821400004

Publications List 2014

J	Bentley, Michael J.; Cofaigh, Colm O.; Anderson, John B.; Conway, Howard; Davies, Bethan; Graham, Alastair G. C.; Hillenbrand, Claus-Dieter; Hodgson, Dominic A.; Jamieson, Stewart S. R.; Larter, Robert D.; Mackintosh, Andrew; Smith, James A.; Verleyen, Elie; Ackert, Robert P.; Bart, Philip J.; Berg, Sonja; Brunstein, Daniel; Canals, Miguel; Colhoun, Eric A.; Crosta, Xavier; Dickens, William A.; Domack, Eugene; Dowdeswell, Julian A.; Dunbar, Robert; Ehrmann, Werner; Evans, Jeffrey; Favier, Vincent; Fink, David; Fogwill, Christopher J.; Glasser, Neil F.; Gohl, Karsten; Golledge, Nicholas R.; Goodwin, Ian; Gore, Damian B.; Greenwood, Sarah L.; Hall, Brenda L.; Hall, Kevin; Hedding, David W.; Hein, Andrew S.; Hocking, Emma P.; Jakobsson, Martin; Johnson, Joanne S.; Jomelli, Vincent; Jones, R. Selwyn; Klages, Johann P.; Kristoffersen, Yngve; Kuhn, Gerhard; Leventer, Amy; Licht, Kathy; Lilly, Katherine; Lindow, Julia; Livingstone, Stephen J.; Masse, Guillaume; McGlone, Matt S.; McKay, Robert M.; Melles, Martin; Miura, Hideki; Mulvaney, Robert; Nel, Werner; Nitsche, Frank O.; O'Brien, Philip E.; Post, Alexandra L.; Roberts, Stephen J.; Saunders, Krystyna M.; Selkirk, Patricia M.; Simms, Alexander R.; Spiegel, Cornelia; Stollendorf, Travis D.; Sugden, David E.; van der Putten, Nathalie; van Ommen, Tas; Verfaillie, Deborah; Vyverman, Wim; Wagner, Bernd; White, Duanne A.; Witus, Alexandra E.; Zwart, Dan	RAISED Consortium	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum	QUATERNARY SCIENCE REVIEWS	100		1	9	10.1016/j.quascirev.2014.0	SEP 15 2014	WOS:000342252700001
J	Hodgson, Dominic A.; Graham, Alastair G. C.; Roberts, Stephen J.; Bentley, Michael J.; Cofaigh, Colm O.; Verleyen, Elie; Vyverman, Wim; Jomelli, Vincent; Favier, Vincent; Brunstein, Daniel; Verfaillie, Deborah; Colhoun, Eric A.; Saunders, Krystyna M.; Selkirk, Patricia M.; Mackintosh, Andrew; Hedding, David W.; Nel, Werner; Hall, Kevin; McGlone, Matt S.; Van der Putten, Nathalie; Dickens, William A.; Smith, James A.		Terrestrial and submarine evidence for the extent and timing of the Last Glacial Maximum and the onset of deglaciation on the maritime-Antarctic and sub-Antarctic islands	QUATERNARY SCIENCE REVIEWS	100		137	158	10.1016/j.quascirev.2013.1	SEP 15 2014	WOS:000342252700007
J	Bakker, P.; Masson-Delmotte, V.; Martrat, B.; Charbit, S.; Renssen, H.; Groeger, M.; Krebs-Kanzow, U.; Lohmann, G.; Lunt, D. J.; Pfeiffer, M.; Phipps, S. J.; Prange, M.; Ritz, S. P.; Schulz, M.; Stenni, B.; Stone, E. J.; Varma, V.		Temperature trends during the Present and Last Interglacial periods - a multi-model-data comparison	QUATERNARY SCIENCE REVIEWS	99		224	243	10.1016/j.quascirev.2014.0	SEP 1 2014	WOS:000340980100018
J	Dutrieux, Pierre; Stewart, Craig; Jenkins, Adrian; Nicholls, Keith W.; Corr, Hugh F. J.; Rignot, Eric; Steffen, Konrad		Basal terraces on melting ice shelves	GEOPHYSICAL RESEARCH LETTERS	41	15	5506	5513	10.1002/2014GL060618	AUG 16 2014	WOS:000341725200025
J	Papritz, Lukas; Pfahl, Stephan; Rudeva, Irina; Simmonds, Ian; Sodemann, Harald; Wernli, Heini		The Role of Extratropical Cyclones and Fronts for Southern Ocean Freshwater Fluxes	JOURNAL OF CLIMATE	27	16	6205	6224	10.1175/JCLI-D-13-00409.1	AUG 15 2014	WOS:000340310800007
J	Najjar, Raymond P.; Wolf, Luzian; Taillard, Jacques; Schlangen, Luc J. M.; Salam, Alex; Cajochen, Christian; Gronfier, Claude		Chronic Artificial Blue-Enriched White Light Is an Effective Countermeasure to Delayed Circadian Phase and Neurobehavioral Decrements	PLOS ONE	9	7		e102827	10.1371/journal.pone.0102	JUL 29 2014	WOS:000341307600016

Publications List 2014

J	Aartsen, M. G.; Abbasi, R.; Ackermann, M.; Adams, J.; Aguilar, J. A.; Ahlers, M.; Altmann, D.; Argüelles, C.; Arlen, T. C.; Auffenberg, J.; Bai, X.; Baker, M.; Barwick, S. W.; Baum, V.; Bay, R.; Beatty, J. J.; Tjus, J. Becker; Becker, K. - H.; Benabderrahmane, M. L.; BenZvi, S.; Berghaus, P.; Berley, D.; Bernardini, E.; Bernhard, A.; Besson, D. Z.; Binder, G.; Bindig, D.; Bissok, M.; Blaufuss, E.; Blumenthal, J.; Boersma, D. J.; Bohm, C.; Bose, D.; Boeser, S.; Botner, O.; Brayeur, L.; Bretz, H. -P.; Brown, A. M.; Bruijn, R.; Casey, J.; Casier, M.; Chirkin, D.; Christov, A.; Christy, B.; Clark, K.; Classen, L.; Clevermann, F.; Coenders, S.; Cohen, S.; Cowen, D. F.; Silva, A. H. Cruz; Danninger, M.; Daughhetee, J.; Davis, J. C.; Day, M.; de Andre, J. P. A. M.; De Clercq, C.; De Ridder, S.; Desiati, P.; de Vries, K. D.; de With, M.; DeYoung, T.; Diaz-Velez, J. C.; Dunkman, M.; Eagan, R.; Eberhardt, B.; Eichmann, B.; Eisch, J.; Euler, S.; Evenson, P. A.; Fadiran, O.; Fazely, A. R.; Fedynitch, A.; Feintzeig, J.; Feusels, T.; Filimonov, K.; Finley, C.; Fischer-Wasels, T.; Flis, S.; Franckowiak, A.; Frantzen, K.; Fuchs, T.; Gaisser, T. K.; Gallagher, J.; Gerhardt, L.; Gladstone, L.; Gluesenkamp, T.; Goldschmidt, A.; Golup, G.; Gonzalez, J. G.; Goodman, J. A.; Gora, D.; Grandmont, D. T.; Grant, D.; Gretskov, P.; Groh, J. C.; Gross, A.; Ha, C.; Haack, C.; Ismail, A. Haj; Hallen, P.; Hallgren, A.; Halzen, F.; Hanson, K.; Hebecker, D.; Heereman, D.; Heinen, D.; Helbing, K.; Hellauer, R.; Hickford, S.; Hill, G. C.; Hoffman, K. D.; Hoffmann, R.; Homeier, A.; Hoshina, K.; Huang, F.; Huelsnitz, W.; Hulth, P. O.; Hultqvist, K.; Hussain, S.; Ishihara, A.; Jacobi, E.; Jacobsen, J.; Jagielski, K.; Japaridze, G. S.; Jaro, K.; Jelati, O.; Kaminsky, B.; Kappas, A.; Kara, T.	Search for non-relativistic magnetic monopoles with IceCube	EUROPEAN PHYSICAL JOURNAL C	74	7			2938	10.1140/epjc/s10052-014-2	JUL 2 2014	WOS:0003389:96800001
J	Yang, Simon; Galbraith, Eric; Palter, Jaime	Coupled climate impacts of the Drake Passage and the Panama Seaway	CLIMATE DYNAMICS	43	02-Jan	37	52		10.1007/s00382-013-1809-4	Jul-14	WOS:0003383:37700003
J	Walter, Fabian; Chaput, Julien; Luethi, Martin P.	Thick sediments beneath Greenland's ablation zone and their potential role in future ice sheet dynamics	GEOLOGY	42	6	487	490		10.1130/G35492.1	Jun-14	WOS:0003399:61100009
J	Rickli, Joerg; Gutjahr, Marcus; Vance, Derek; Fischer-Goedde, Mario; Hillenbrand, Claus-Dieter; Kuhn, Gerhard	Neodymium and hafnium boundary contributions to seawater along the West Antarctic continental margin	EARTH AND PLANETARY SCIENCE LETTERS	394		99	110		10.1016/j.epsl.2014.03.008	MAY 15 2014	WOS:0003356:13300011
J	Puetz, Klemens; Trathan, Phil N.; Pedrana, Julieta; Collins, Martin A.; Poncet, Sally; Luethi, Benno	Post-Fledging Dispersal of King Penguins (<i>Aptenodytes patagonicus</i>) from Two Breeding Sites in the South Atlantic	PLOS ONE	9	5			e97164	10.1371/journal.pone.0097	MAY 14 2014	WOS:0003368:57400062
J	Klages, J. P.; Kuhn, G.; Hillenbrand, C. -D.; Graham, A. G. C.; Smith, J. A.; Larter, R. D.; Gohl, K.; Wacker, L.	Retreat of the West Antarctic Ice Sheet from the western Amundsen Sea shelf at a pre- or early LGM stage	QUATERNARY SCIENCE REVIEWS	91		1	15		10.1016/j.quascirev.2014.0	MAY 1 2014	WOS:0003368:19800001

Publications List 2014

J	Ho, Sze Ling; Mollenhauer, Gesine; Fietz, Susanne; Martinez-Garcia, Alfredo; Lamy, Frank; Rueda, Gemma; Schipper, Konstanze; Meheust, Marie; Rosell-Mele, Antoni; Stein, Ruediger; Tiedemann, Ralf	Appraisal of TEX86 and TEX86L thermometries in subpolar and polar regions	GEOCHIMICA ET COSMOCHIMICA ACTA	131		213	226	10.1016/j.gca.2014.01.001	APR 15 2014	WOS:000333330100015
J	Massaferro, Julieta; Larocque-Tobler, Isabelle; Brooks, Stephen J.; Vandergoes, Marcus; Dieffenbacher-Krall, Ann; Moreno, Patricio	Quantifying climate change in Huelmo mire (Chile, Northwestern Patagonia) during the Last Glacial Termination using a newly developed chironomid-based temperature model	PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY	399		214	224	10.1016/j.palaeo.2014.01.010	APR 1 2014	WOS:000334978400017
J	Bunde, Armin; Ludescher, Josef; Franzke, Christian L. E.; Buentgen, Ulf	How significant is West Antarctic warming?	NATURE GEOSCIENCE	7	4	246	247	10.1038/ngeo2126	Apr-14	WOS:000333815700002
J	Petrou, Katherina; Trimborn, Scarlett; Rost, Bjorn; Ralph, Peter J.; Hassler, Christel S.	The impact of iron limitation on the physiology of the Antarctic diatom <i>Chaetoceros simplex</i>	MARINE BIOLOGY	161	4	925	937	10.1007/s00227-014-2392-7	Apr-14	WOS:000333899500016
J	Arnold, Tim; Ivy, Diane J.; Harth, Christina M.; Vollmer, Martin K.; Muehle, Jens; Salameh, Peter K.; Steele, L. Paul; Krummel, Paul B.; Wang, Ray H. J.; Young, Dickon; Lunder, Chris R.; Hermansen, Ove; Rhee, Tae Siek; Kim, Jooil; Reimann, Stefan; O'Doherty, Simon; Fraser, Paul J.; Simmonds, Peter G.; Prinn, Ronald G.; Weiss, Ray F.	HFC-43-10mee atmospheric abundances and global emission estimates	GEOPHYSICAL RESEARCH LETTERS	41	6	2228	2235	10.1002/2013GL059143	MAR 28 2014	WOS:000334264900056
J	Martinez-Garcia, Alfredo; Sigman, Daniel M.; Ren, Haojia; Anderson, Robert F.; Straub, Marietta; Hodell, David A.; Jaccard, Samuel L.; Eglinton, Timothy I.; Haug, Gerald H.	Iron Fertilization of the Subantarctic Ocean During the Last Ice Age	SCIENCE	343	6177	1347	1350	10.1126/science.1246848	MAR 21 2014	WOS:000333108500035
J	Sugden, D. E.; Fogwill, C. J.; Hein, A. S.; Stuart, F. M.; Kerr, A. R.; Kubik, P. W.	Emergence of the Shackleton Range from beneath the Antarctic Ice Sheet due to glacial erosion	GEOMORPHOLOGY	208		190	199	10.1016/j.geomorph.2013.11.011	MAR 1 2014	WOS:000332501000014
J	Abouchami, W.; Galer, S. J. G.; de Baar, H. J. W.; Middag, R.; Vance, D.; Zhao, Y.; Klunder, M.; Mezger, K.; Feldmann, H.; Andreae, M. O.	Biogeochemical cycling of cadmium isotopes in the Southern Ocean along the Zero Meridian	GEOCHIMICA ET COSMOCHIMICA ACTA	127		348	367	10.1016/j.gca.2013.10.022	FEB 15 2014	WOS:000329842900021

Publications List 2014

J	Aartsen, M. G.; Abbasi, R.; Abdou, Y.; Ackermann, M.; Adams, J.; Aguilar, J. A.; Ahlers, M.; Altmann, D.; Auffenberg, J.; Bai, X.; Baker, M.; Barwick, S. W.; Baum, V.; Bay, R.; Beatty, J. J.; Bechet, S.; Tjus, J. Becker; Becker, K. - H.; Benabderrahmane, M. L.; BenZvi, S.; Berghaus, P.; Berley, D.; Bernardini, E.; Bernhard, A.; Besson, D. Z.; Binder, G.; Bindig, D.; Bissok, M.; Blaufuss, E.; Blumenthal, J.; Boersma, D. J.; Bohaichuk, S.; Bohm, C.; Bose, D.; Boeser, S.; Botner, O.; Brayeur, L.; Bretz, H. -P.; Brown, A. M.; Bruijn, R.; Brunner, J.; Carson, M.; Casey, J.; Casier, M.; Chirkin, D.; Christov, A.; Christy, B.; Clark, K.; Clevermann, F.; Coenders, S.; Cohen, S.; Cowen, D. F.; Silva, A. H. Cruz; Danninger, M.; Daughhetee, J.; Davis, J. C.; Day, M.; De Clercq, C.; De Ridder, S.; Desiati, P.; de Vries, K. D.; de With, M.; DeYoung, T.; Diaz-Velez, J. C.; Dunkman, M.; Eagan, R.; Eberhardt, B.; Eisch, J.; Euler, S.; Evenson, P. A.; Fadiran, O.; Fazely, A. R.; Fedynitch, A.; Feintzeig, J.; Feusels, T.; Filimonov, K.; Finley, C.; Fischer-Wasels, T.; Flis, S.; Franckowiak, A.; Frantzen, K.; Fuchs, T.; Gaisser, T. K.; Gallagher, J.; Gerhardt, L.; Gladstone, L.; Gluesenkamp, T.; Goldschmidt, A.; Golup, G.; Gonzalez, J. G.; Goodman, J. A.; Gora, D.; Grandmont, D. T.; Grant, D.; Gross, A.; Ha, C.; Ismail, A. Haj; Hallen, P.; Hallgren, A.; Halzen, F.; Hanson, K.; Heereman, D.; Heinen, D.; Helbing, K.; Hellauer, R.; Hickford, S.; Hill, G. C.; Hoffman, K. D.; Hoffmann, R.; Homeier, A.; Hoshina, K.; Huelsnitz, W.; Hulth, P. O.; Hultqvist, K.; Hussain, S.; Ishihara, A.; Jacobi, E.; Jacobsen, J.; Jagielski, K.; Japaridze, G. S.; Jero, K.; Jlelati, O.; Kaminsky, B.; Kappes, A.; Karg, T.; Karle, A.; Kelley, J. L.; Kiryluk, J.; Klaes, J.; Klein, S. R.; Koehn, J. H.	Improvement in fast particle track reconstruction with robust statistics	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	736		143	149	10.1016/j.nima.2013.10.074	FEB 1 2014	WOS:000329404000019
J	Damerou, M.; Matschiner, M.; Salzburger, W.; Hanel, R.	Population divergences despite long pelagic larval stages: lessons from crocodile icefishes (Channichthyidae)	MOLECULAR ECOLOGY	23	2	284	299	10.1111/mec.12612	Feb-14	WOS:000329254300005
J	Zhao, Y.; Vance, D.; Abouchami, W.; de Baar, H. J. W.	Biogeochemical cycling of zinc and its isotopes in the Southern Ocean	GEOCHIMICA ET COSMOCHIMICA ACTA	125		653	672	10.1016/j.gca.2013.07.045	JAN 15 2014	WOS:000329066500038
J	Selig, Elizabeth R.; Turner, Will R.; Troeng, Sebastian; Wallace, Bryan P.; Halpern, Benjamin S.; Kaschner, Kristin; Lascelles, Ben G.; Carpenter, Kent E.; Mittermeier, Russell A.	Global Priorities for Marine Biodiversity Conservation	PLOS ONE	9	1		e82898	10.1371/journal.pone.0082898	JAN 8 2014	WOS:000329862500023
J	Keller, Arne; Hutter, Kolumban	Conceptual thoughts on continuum damage mechanics for shallow ice shelves	JOURNAL OF GLACIOLOGY	60	222	685	693	10.3189/2014JoG14J010	2014	WOS:000343272100007
J	Legrand, M.; Preunkert, S.; Frey, M.; Bartels-Rausch, Th; Kukui, A.; King, M. D.; Savarino, J.; Kerbrat, M.; Jourdain, B.	Large mixing ratios of atmospheric nitrous acid (HONO) at Concordia (East Antarctic Plateau) in summer: a strong source from surface snow?	ATMOSPHERIC CHEMISTRY AND PHYSICS	14	18	9963	9976	10.5194/acp-14-9963-2014	2014	WOS:000341993100031
J	Huss, M.; Farinotti, D.	A high-resolution bedrock map for the Antarctic Peninsula	CRYOSPHERE	8	4	1261	1273	10.5194/tc-8-1261-2014	2014	WOS:000341622700010

Publications List 2014

J	Schmitt, J.; Seth, B.; Bock, M.; Fischer, H.	Online technique for isotope and mixing ratios of CH ₄ , N ₂ O, Xe and mixing ratios of organic trace gases on a single ice core sample	ATMOSPHERIC MEASUREMENT TECHNIQUES	7	8	2645	2665	10.5194/amt-7-2645-2014	2014	WOS:000341605200017
J	Schanz, A.; Hocke, K.; Kaempfer, N.	Daily ozone cycle in the stratosphere: global, regional and seasonal behaviour modelled with the Whole Atmosphere Community Climate Model	ATMOSPHERIC CHEMISTRY AND PHYSICS	14	14	7645	7663	10.5194/acp-14-7645-2014	2014	WOS:000339934900031
J	Farinotti, Daniel; King, Edward C.; Albrecht, Anika; Huss, Matthias; Gudmundsson, G. Hilmar	The bedrock topography of Starbuck Glacier, Antarctic Peninsula, as determined by radio-echo soundings and flow modeling	ANNALS OF GLACIOLOGY	55	67	22	28	10.3189/2014AoG67A025	2014	WOS:000339363400004
J	Pfeffer, W. Tad; Arendt, Anthony A.; Bliss, Andrew; Bolch, Tobias; Cogley, J. Graham; Gardner, Alex S.; Hagen, Jon-Ove; Hock, Regine; Kaser, Georg; Kienholz, Christian; Miles, Evan S.; Moholdt, Geir; Moelg, Nico; Paul, Frank; Radic, Valentina; Rastner, Philipp; Raup, Bruce H.; Rich, Justin; Sharp, Martin J.; Andeassen, L. M.; Bajracharya, S.; Barrand, N. E.; Beedle, M. J.; Berthier, E.; Bhambri, R.; Brown, I.; Burgess, D. O.; Burgess, E. W.; Cawkwell, F.; Chinn, T.; Copland, L.; Cullen, N. J.; Davies, B.; De Angelis, H.; Fountain, A. G.; Frey, H.; Giffen, B. A.; Glasser, N. F.; Gurney, S. D.; Hagg, W.; Hall, D. K.; Haritashya, U. K.; Hartmann, G.; Herreid, S.; Howat, I.; Jiskoot, H.; Khromova, T. E.; Klein, A.; Kohler, J.; Konig, M.; Kriegel, D.; Kutuzov, S.; Lavrentiev, I.; Le Bris, R.; Li, X.; Manley, W. F.; Mayer, C.; Menounos, B.; Mercer, A.; Mool, P.; Negrete, A.; Nosenko, G.; Nuth, C.; Osmonov, A.; Petterson, R.; Racoviteanu, A.; Ranzi, R.; Sarikaya, M. A.; Schneider, C.; Sigurdsson, O.; Sirguey, P.; Stokes, C. R.; Wheate, R.; Wolken, G. J.; Wu, L. Z.; Wyatt, F. R.	The Randolph Glacier Inventory: a globally complete inventory of glaciers	JOURNAL OF GLACIOLOGY	60	221	537	552	10.3189/2014JoG13J176	2014	WOS:000339140300012
J	Suter, I.; Zech, R.; Anet, J. G.; Peter, T.	Impact of geomagnetic excursions on atmospheric chemistry and dynamics	CLIMATE OF THE PAST	10	3	1183	1194	10.5194/cp-10-1183-2014	2014	WOS:000338761600016
J	Hassler, C. S.; Ridgway, K. R.; Bowie, A. R.; Butler, E. C. V.; Clementson, L. A.; Doblin, M. A.; Davies, D. M.; Law, C.; Ralph, P. J.; van der Merwe, P.; Watson, R.; Ellwood, M. J.	Primary productivity induced by iron and nitrogen in the Tasman Sea: an overview of the PINTS expedition	MARINE AND FRESHWATER RESEARCH	65	6	517	537	10.1071/MF13137	2014	WOS:000337724200005
J	Wang, Chaomin; Hou, Shugui; Pang, Hongxi; Liu, Yaping; Gaeggeler, Heinz W.; Tobler, Leonhard; Szidat, Soenke; Vogel, Edith	Pb-210 dating of the Miaoergou ice core from the eastern Tien Shan, China	ANNALS OF GLACIOLOGY	55	66	105	110	10.3189/2014AoG66A151	2014	WOS:000336010200014
J	Bereiter, B.; Fischer, H.; Schwander, J.; Stocker, T. F.	Diffusive equilibration of N-2, O-2 and CO2 mixing ratios in a 1.5-million-years-old ice core	CRYOSPHERE	8	1	245	256	10.5194/tc-8-245-2014	2014	WOS:000332317000018
	McGrath, D., K. Steffen, P. Holland, T. Scambos, H. Rajaram, W. Abdalati and E. Rignot	The structure and effect of suture zones in Larsen C Ice Shelf, Antarctica	J. Geophys. Res. Earth Surf.					10.1002/2013JF002935	2014	
	Dutrieux, P. C. Stewart, A. Jenkins, K.W. Nicholls, H.F.J. Corr, E. Rignot, and K. Steffen	Basal terraces on melting ice shelves	Geophys. Res. Lett.	41				10.1002/2014GL060618	2014	

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Schilt, A., Brook, E.J., Bauska, T.K., Baggenstos, D., Fischer, H., Joos, F., Petrenko, V.V., Schäfer, H., Schmitt, J., Severinghaus, J.P., Spahni, R., Stocker, T.F.	Isotopic constraints on marine and terrestrial N ₂ O sources during the last deglaciation	Nature	516		234	237		2014
Schwander, J., Marending, S., Stocker, T.F., Fischer, H.	RADIX: A minimal-resources rapid-access drilling system	Annals of Glaciology	55		34	38		2014