

International workshop on polar-lower latitude linkages and their role in weather and climate prediction - List of references relevant to the workshop, as suggested by the workshop participants. Finalized 13th of January 2015

Author(s) and year	Title	e-link to the reference or DOI	Journal / status	Keyword 1	Keyword 2	Keyword 3	Keyword 4	Keyword 5
Alexander et al. (2004)	The atmospheric response to realistic Arctic sea ice anomalies in an AGCM during winter	http://journals.ametsoc.org/doi/10.1175/JCLI1517.2004	Journal of Climate					
Aspellen et al. (2011)	Short-range probabilistic forecasts from the Norwegian limited-area EPS. Long-term validation and a polar low study.	http://dx.doi.org/10.1111/j.1600-0870.2010.00602.x	Tellus 63A	Ensemble Prediction	High Resolution	Atlantic Polar lows		
Beilén et al. (1998)	Great Salinity Anomalies in the North Atlantic	http://www.sciencedirect.com/science/article/pii/S0969170298000189	Progress in Oceanography					
Björntjärn and Selten (2014)	Future increases in Arctic precipitation linked to local evaporation and sea ice retreat	http://www.nature.com/nature/journal/v506/n7501/full/nature13295.html	Nature	Arctic	Precipitation	AMOC	Freshening	sea ice
Björntjärn et al. (2013)	Important role for ocean warming and increased ice-shelf melt in Antarctic sea-ice expansion	http://www.nature.com/ngeo/journal/v6/n5/full/ngeo1787.html	Nature Geoscience					
Butkova (2009)	Role of Arctic Sea Ice in Global Atmospheric Circulation: A review.	doi:10.1016/j.gloplacha.2008.04.001	Global and Planetary Change	Arctic	sea ice	Global Climate	Atmosphere	
Bueh and Nakamura (2007)	Scandinavian pattern and its climatic impact	http://onlinelibrary.wiley.com/doi/10.1002/qj.173/	Quart. Jour. Roy. Met. Soc.	Arctic teleconnection	cold surge	blocking		
Butler et al. (2010)	The Steady-State Atmospheric Circulation Response to Climate Change-like Thermal Forcings in a Simple General Circulation Model	http://journals.ametsoc.org/doi/pdf/10.1175/2010JCLI3228.1	Journal of Climate	arctic warming	Idealized modeling			
Catto et al. (2014)	Atmospheric fronts in current and future climates	http://onlinelibrary.wiley.com/doi/10.1002/2014GL024183/abstract	GRL					
Cohen et al. (2014)	Recent Arctic amplification and extreme mid-latitude weather	doi:10.1038/NGEO2234	Nature Geoscience	Arctic amplification	sea ice	snow	storm track	Jet stream
Coumou et al. (2014)	Quasi-resonant circulation regimes and hemispheric synchronization of extreme weather in boreal summer	http://www.pnas.org/content/111/15/412331.full.pdf.html	PNAS					
Cui et al. (2014)	Role of external forcing factors in modulating the Indian summer monsoon rainfall, the North Atlantic Oscillation and their relationship on inter-decadal timescale	DOI: 10.1007/s00382-014-2065-4	Climate Dynamics	NAO	Indian summer monsoon			
Day et al. (2012)	Sources of Multi-decadal variability in Arctic sea ice extent	http://cpedanceless.bsp.gov/1748-9328/7/8/34011	ERL	sea ice variability	atlantic multidecadal oscillation			
Day et al. (2014)	Will Arctic sea ice thickness initialization improve seasonal forecast skill?	http://onlinelibrary.wiley.com/doi/10.1002/2014GL024184/full	GRL	seasonal prediction	sea ice thickness	sea ice prediction		
Deaser et al. (2002)	Decadal variations in Labrador Sea ice cover and North Atlantic sea surface temperatures	doi:10.1029/2000JC000683	JGR Oceans					
Deaser et al. (2010)	The Seasonal Atmospheric Response to Projected Arctic Sea Ice Loss in the Late Twenty-First Century.	http://journals.ametsoc.org/doi/10.1175/2009JCLI3053.1	Journal of Climate	Arctic	sea ice	seasonal effects	atmospheric response	
Dickson et al. (1988)	The "Great Salinity Anomaly" in the northern North Atlantic	http://www.sciencedirect.com/science/article/pii/S0079611889004683	Progress in Oceanography					
Dickson et al. (2007)	Current estimates of freshwater flux through Arctic and subarctic seas	http://www.sciencedirect.com/science/article/pii/S007961180700018X	Progress in Oceanography					
Domisen et al. (2014)	Seasonal Predictability over Europe arising from El Niño and Stratospheric Variability in the MPI-ESM Seasonal Prediction System	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00207.1	Journal of Climate					
Doyle et al. (2011)	Water vapor intrusions into the high Arctic during winter.	doi:10.1029/2011GL047493	GRL					
Feldman et al. (2014)	Far-infrared surface emissivity and climate	http://www.pnas.org/content/111/14/6297	PNAS					
Feldstein and Lee (2014)	Intraseasonal and Interdecadal jet shifts in the northern hemisphere: The role of warm pool tropical convection and sea ice	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00057.1	Journal of Climate					
Francis and Vavrus (2012)	Evidence linking Arctic amplification to extreme weather in mid-latitudes	doi:10.1029/2012GL051000	GRL					
Francis et al. (2009)	Winter Northern Hemisphere weather patterns remember summer Arctic sea-ice extent	http://onlinelibrary.wiley.com/doi/10.1029/2009GL032724/abstract	GRL	Arctic	sea ice	Interactions		
Francis et al. (2014)	Rapid Arctic warming and mid-latitude weather patterns: Are they connected?	State of the Climate Report, BAMS	BAMS					
Frankignoul et al. (2014)	Observed atmospheric response to cold season sea ice variability in the Arctic	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00189.1	Journal of Climate	linkage				
Geo et al. (2015)	Arctic sea ice and Eurasian climate: a review	http://link.springer.com/article/10.1007/s200376-014-0009-9#page-1	Adv. Atmos. Sol.	Arctic Sea Ice	Eurasian climate			
Gerdes and Köberle (1999)	Numerical simulation of salinity anomaly propagation in the Nordic seas and the Arctic Ocean	http://onlinelibrary.wiley.com/doi/10.1111/j.1751-8388.1999.tb02288.x/abstract	Polar Research					
Gong et al. (2014)	Interannual linkage between Arctic-North-Atlantic Oscillation and tropical Indian Ocean precipitation during boreal winter	DOI 10.1007/s00382-013-1861-4	Climate Dynamics	Arctic Oscillation	Precipitation	Indian Ocean		
Gravesen et al. (2014)	Polar Amplification in CCSMs: Contributions from the Lapse Rate and Surface Albedo Feedbacks	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00551.1	Journal of Climate					
Guemas and Salas-Mella (2008)	Simulation of the Atlantic Meridional Overturning Circulation in an Atmosphere-Ocean Global Coupled Model. Part I: A mechanism governing the variability of ocean convection in a preindustrial experiment	doi:10.1007/s00382-007-0338-8	Climate Dynamics					
Guo et al. (2014)	Mechanism on how the spring Arctic sea ice impacts the East Asian summer monsoon	DOI: 10.1007/s00704-013-0672-6	Theoretical and Applied Climatology	Arctic Sea Ice	East Asian Summer Monsoon			
Haak et al. (2003)	Formation and propagation of great salinity anomalies	http://onlinelibrary.wiley.com/doi/10.1029/2003GL017065/abstract	GRL					
Häkkinen (1999)	A simulation of thermohaline effects of a Great Salinity Anomaly	<a href="http://journals.ametsoc.org/doi/10.1175/1520-0442(1999)18<0429:GSA>2.0.CO;2">http://journals.ametsoc.org/doi/10.1175/1520-0442(1999)18<0429:GSA>2.0.CO;2	Journal of Climate					
Hall et al. (2014)	Drivers of North Atlantic Polar Front jet stream variability	http://onlinelibrary.wiley.com/doi/10.1002/2014GL024183/abstract	International Journal of Climatology					
Hassanzadeh et al. (2014)	Response of midlatitude blocks and wave amplitude to changes in the meridional temperature gradient in an idealized dry GCM	http://onlinelibrary.wiley.com/doi/10.1002/2014GL024183/abstract	GRL	blocking	Idealized modeling	arctic amplification		
Holland and Kwok (2012)	Wind-driven trends in Antarctic sea ice drift	doi:10.1038/NGEO1827	Nature Geoscience					
Holland et al. (2001)	The role of ice-ocean interactions in the variability of the North Atlantic thermohaline circulation	<a href="http://journals.ametsoc.org/doi/10.1175/1520-0442(2001)18<2607:RTOIC>2.0.CO;2">http://journals.ametsoc.org/doi/10.1175/1520-0442(2001)18<2607:RTOIC>2.0.CO;2	Journal of Climate					
Holland et al. (2013)	Initial-value predictability of Antarctic sea ice in the Community Climate System Model 3	doi:10.1002/glt.20410	GRL					
Honda et al. (1999)	Dynamic and Thermodynamic Characteristics of Atmospheric Response to Anomalous Sea-Ice Extent in the Sea of Okhotsk	<a href="http://dx.doi.org/10.1175/1520-0442(1999)18<3447:DATCOA>2.0.CO;2">doi:10.1175/1520-0442(1999)18<3447:DATCOA>2.0.CO;2	Journal of Climate	sea ice	teleconnection			
Honda et al. (2009)	Influence of low Arctic sea-ice minima on anomalously cold Eurasian winters	doi:10.1029/2009GL030779	GRL	Arctic	sea ice	teleconnection	cold surge	
Hwang et al. (2011)	Coupling between Arctic feedbacks and changes in poleward energy transport.	doi:10.1029/2011GL048546	GRL					
Inoue et al. (2012)	The role of Barotropic Sea Ice on the wintertime cyclone track and emergence of a warm-Arctic cold-Siberian anomaly	http://journals.ametsoc.org/doi/10.1175/JCLI-D-11-00446.1	Journal of Climate					
Inoue et al. (2013)	The impact of radioonde data over the ice-free Arctic Ocean on the atmospheric circulation in the Northern Hemisphere	http://onlinelibrary.wiley.com/doi/10.1002/glt.20207/abstract	GRL					
Intrieri et al. (2014)	Global Hawk drizzle observations of the Arctic atmosphere obtained during the Winter Storms and Pacific Atmospheric Rivers (HSWAP) field campaign	http://www.atmos-mesa-tech.net/739/172014/amt-7-3917-2014.pdf	Atm. Meas. Techn.	Arctic	Targeted Observations	Atmospheric thermodynamics	Observations	
Iversen et al. (2011)	A grand LAM-EP5 (GLAM-EP5) for operational use.	DOI: 10.1111/j.1600-0870.2010.00607.x	Tellus 63A	Ensemble Prediction	Limited area			
Jung and Matsueda (2014)	Verification of global numerical weather forecasting systems in polar regions using TIIGSE data	http://onlinelibrary.wiley.com/doi/10.1002/qj.2437/abstract?campid=plcoaleptarticle	Quart. Jour. Roy. Met. Soc.	forecast verifications	medium-range ensemble forecasts	operational forecast	polar regions	
Jung et al. (2014)	Arctic influence on subseasonal midlatitude prediction	http://onlinelibrary.wiley.com/doi/10.1002/2014GL024183/abstract	GRL	Linkages	Mid-latitudes	Prediction	Atmosphere	
Jungclauss et al. (2005)	Arctic-North Atlantic Interactions and Multidecadal Variability of the Meridional Overturning Circulation	http://journals.ametsoc.org/doi/10.1175/JCLI3482.1	Journal of Climate					
Karcher et al. (2003)	Arctic warming: Evolution and spreading of the 1980s warm event in the Nordic seas and the Arctic Ocean	doi:10.1029/2001JC001285	JGR Oceans					
Karcher et al. (2011)	Arctic Ocean warming and its consequences for the Denmark Strait overflow	doi:10.1029/2010JC006285	JGR Oceans					
Kidston et al. (2011)	The Influence of Southern Hemisphere sea-ice extent on the latitude of the mid-latitude jet stream	doi:10.1029/2011GL048068	GRL					
Kim et al. (2014)	Weakening of the stratospheric polar vortex by Arctic sea ice loss: Predictions of climate several years ahead using an improved decadal prediction system	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00098.1	Nature Communications	climate prediction	climate models	ensembles	decadal variability	Interannual variability
Koenigk et al. (2008)	Variability of Fram Strait sea ice export: causes, impacts and feedbacks in a coupled climate model	doi:10.1079/0382-005-0080-1	Climate Dynamics					
Koenigk et al. (2007)	Arctic Freshwater Export in the 20th and 21st Century	doi:10.1029/2006JG000274	JGR Biogeosciences					
Koenigk et al. (2012)	Potential decadal predictability and its sensitivity to sea ice albedo parameterization in a global coupled model	doi:10.1007/s00382-011-1132-z	Climate Dynamics					
Krishfield, R. et al. (2014)	Deterioration of perennial sea ice in the Beaufort Gyre...	doi:10.1002/2013JC008999	JGR Oceans	Arctic	freshwater	observations	ice	
Kristjánsson et al. (2011)	High-resolution ensemble prediction of a polar low development.	DOI: 10.1111/j.1600-0870.2010.00468.x	Tellus 63A	Ensemble Prediction	High Resolution	Atlantic Polar lows	Polar low tracks	Prognostic satellite images
Kristjánsson et al. (2011)	The Norwegian IPI-THORPEX: Polar Lows and Arctic Fronts during the 2009 Arctic campaign.	http://dx.doi.org/10.1175/2011BAMS2901.1	BAMS	IPY ThorpeX				
Kvamsto et al. (2004)	Impact of Labrador sea-ice extent on the North Atlantic Oscillation	doi:10.1002/joc.1015	International Journal of Climatology					
Langehaug (2013)	Arctic sea ice decline and ice export in the CMIP5 historical simulations	http://dx.doi.org/10.1016/j.cosmos.2012.12.008	Ocean Modelling	Arctic Sea Ice	Fram Strait			
Latif et al. (2008)	Is the Thermohaline Circulation Changing?	http://journals.ametsoc.org/doi/10.1175/JCLI3878.1	Journal of Climate					

Li et al. (2014)	On the strengthened relationship between the East Asian winter monsoon and Arctic Oscillation: A comparison of 1950-1970 and 1983-2012	doi:10.1175/JCLI-D-13-00335.1	Journal of Climate	Arctic Oscillation	East Asian Winter Monsoon				
Liu et al. (2012)	Impact of declining Arctic sea ice on winter snowfall	http://www.pnas.org/content/109/11/4074/abstract	PNAS						
Maldens et al. (2013)	The Influence of Surface Forcings on Prediction of the North Atlantic Oscillation Regime of Winter 2010/11	http://journals.ametsoc.org/doi/10.1175/MWR-D-13-00033.1	Mon Wea Rev	North Atlantic Oscillation	Seasonal Forecasting	Ensembles			
Masonnet et al. (2014)	Prospects for improved seasonal Arctic sea ice predictions from multivariate data assimilation	accepted	Ocean Modelling	Sea ice	Data assimilation	Initialization	Prediction	Seasonal	
Matsueda and Nakazawa (2014)	Early warning products for severe weather events derived from operational medium-range ensemble forecasts	http://onlinelibrary.wiley.com/doi/10.1002/met.1444/abstract	Meteorological Applications		early warning of severe weather	medium-range ensemble forecasts	operational forecast	probabilistic forecasts	grand ensemble
Merryfield (2013)	Multi-system seasonal predictions of Arctic sea ice	doi:10.1002/grl.50317	GRL						
Mori et al. (2014)	Robust Arctic sea-ice influence on the frequent Eurasian cold winters in the past decades	http://www.nature.com/ngeo/journal/7/11/2/ullngeo2277.html	Nature Geoscience						
Nakamura et al. (2010)	Northern Hemisphere Extratropical Tropospheric Planetary Waves and their Low-Frequency Variability: Their Vertical Structure and Interaction with Transient Eddies and Surface Thermal Contrasts	http://onlinelibrary.wiley.com/doi/10.1029/2009GM000789/summary	AGU Monograph, vol.189		Siberian High	planetary waves	Rossby waves	cold surge	
Nakanowatari et al. (2014)	Predictability of the Barents Sea Ice in early winter: Remote effects of oceanic and atmospheric thermal contrast from the North Atlantic	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00125.1	Journal of Climate						
Niehl et al. (2009)	Cooling of the wintertime Arctic atmosphere induced by the Western Pacific teleconnection pattern	doi:10.1029/2010GL043861	GRL	teleconnection	Arctic		cold surge	polar vortex	blocking
Niehl et al. (2011)	Geographical dependence observed in blocking high influence on the atmospheric variability through enhancement and suppression of upward planetary-wave propagation	http://journals.ametsoc.org/doi/10.1175/JCLI-D-10-06021.1	Journal of Climate	teleconnection		polar vortex	blocking		
Niehl et al. (2014)	Arctic summer storm track in CMIP5 climate models	http://link.springer.com/article/10.1007/s00882-014-2223-y	Climate Dynamics	storm track	Arctic		global warming	climate models	
Orosolini et al. (2012)	Autumn atmospheric response to the 2007 low Arctic sea ice extent in coupled ocean-atmosphere hindcasts	doi:10.1007/s00882-011-1189-z	Climate Dynamics	Arctic Sea Ice	Atmosphere		seasonal forecast		
Orosolini et al. (2013)	Impact of snow initialization on sub-seasonal forecasts	DOI: 10.1007/s00882-013-1782-0	Climate Dynamics	Snow	Atmosphere		seasonal forecast		
Papritz et al. (2014)	The Role of Extratropical Cyclones and Fronts for Southern Ocean Freshwater Fluxes	http://dx.doi.org/10.1175/JCLI-D-13-00409.1	Journal of Climate	Freshwater flux	Southern Ocean		Storm tracks		
Peings and Magnusdottir (2014)	Forcing of the wintertime atmospheric circulation by the multidecadal fluctuations of the North Atlantic Ocean	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00272.1	Journal of Climate	AMO		multidecadal winter NAO			
Peings and Magnusdottir (2014)	Response of the wintertime Northern Hemisphere atmospheric circulation to current and projected Arctic sea ice decline: a numerical study with CMAQ	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00272.1	Journal of Climate	Arctic	Sea ice		winter	atmospheric response	
Peterson et al. (2014)	Assessing the forecast skill of Arctic sea ice extent in the GloSea4 seasonal prediction system	http://rd.springer.com/article/10.1007/s200882-014-2190-9	Climate Dynamics	Arctic sea ice	Seasonal Forecasting	Ocean and sea ice analysis	Data Assimilation	Ice Concentration	
Petrie et al. (2015)	Summer-time atmospheric response linked to recent Arctic sea ice loss	In press	Quart. Jour. Roy. Met. Soc.	Arctic sea ice	Labrador Sea		atmospheric circulation		
Petrie et al.	Atmospheric response in summer to recent Arctic sea ice loss	under review	Quart. Jour. Roy. Met. Soc.	Arctic sea ice		summer atmospheric circulation	Labrador sea ice		
Pithan and Mauritsen (2014)	Arctic amplification dominated by temperature feedbacks in contemporary climate models	doi:10.1038/ngeo2071	Nature Geoscience						
Polvani and Smith (2013)	Can natural variability explain observed Antarctic sea ice trend? New modeling evidence from CMIP5	doi: 10.1002/grl.500578	GRL						
Polyakov et al. (2008)	Arctic Ocean Freshwater Changes over the Past 100 Years and Their Causes	doi: 10.1175/2007JCLI1748.1	Journal of Climate						
Rabe et al. (2013)	Liquid export of Arctic freshwater components through the Fram Strait 1958-2011	doi:10.5194/ice-4-41-2013	Ocean Science						
Randriamampianina et al. (2011)	Exploring the assimilation of IASI radiances in forecasting polar lows	DOI:10.1002/gj.538	Quart. Jour. Roy. Met. Soc.	IASI data and Arctic campaign data	Data assimilation		Arctic prediction		
Raphael et al. (2011)	The effect of Antarctic sea ice on the Southern Hemisphere atmosphere during the southern summer	doi: 10.1007/s00882-010-0862-1	Climate Dynamics						
Saito et al. (2014)	Influence of the Gulf Stream on the Barents Sea ice retreat and Eurasian coldness during early winter	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00409.1	Journal of Climate						
Saurrel et al. (2014)	Sea ice concentration variability over the Southern Ocean and its impact on precipitation in southwestern South America	doi: 10.1002/joc.3844	International Journal of Climatology	sea ice variability	South American climate		precipitation	rivers	
Scaillet et al. (2014)	A Mechanism for Lagged North Atlantic Climate Response to Solar Variability	http://onlinelibrary.wiley.com/doi/10.1002/grl.50099/abstract	GRL	solar variability	atmosphere-ocean		lagged response		
Scaillet et al. (2014)	Skillful long-range prediction of European and North American winters	http://onlinelibrary.wiley.com/doi/10.1002/2014GL059877/abstract	GRL	signal-to-noise ratio			prediction	regional climate	
Schlichtholz (2011)	Influence of oceanic heat variability on sea ice anomalies in the Nordic Seas	doi:10.1029/2010GL045894	GRL						
Schneider et al. (2015)	Physics of changes in synoptic midlatitude temperature variability	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00682.1	Journal of Climate	temperature variance		arctic amplification			
Screen (2013)	Influence of Arctic sea ice on European summer precipitation	http://journals.ametsoc.org/doi/10.1175/JCLI-D-13-00409.1	Journal of Climate						
Screen and Simmonds (2013)	Exploring links between Arctic amplification and mid-latitude weather	http://onlinelibrary.wiley.com/doi/10.1002/grl.50174/abstract	GRL						
Screen et al. (2012)	Local and remote controls on observed Arctic warming	doi:10.1029/2012GL016988	GRL						
Screen et al. (2013)	The atmospheric response to three decades of observed Arctic sea ice loss	http://dx.doi.org/10.1175/JCLI-D-12-00063.1	Journal of Climate						
Screen et al. (2013)	Atmospheric impacts of Arctic sea-ice loss, 1979-2008: separating forced change from atmospheric internal variability	http://dx.doi.org/10.1007/s00882-013-1830-9	Climate Dynamics						
Seemiler et al. (2012)	The Impact of Arctic sea ice on the Arctic energy budget and on the climate of the Northern mid-latitudes	doi: 10.1007/s00882-012-1363-9	Climate Dynamics	Arctic	sea ice decline		atmospheric response	Numerical experimentation	
Sevour et al. (2014)	Skillful seasonal prediction of the Southern Annular Mode and Antarctic ozone	http://journals.ametsoc.org/doi/10.1175/JCLI-D-14-00284.1	Journal of Climate	Southern Oscillation	Stratosphere-Troposphere coupling	Ozone		Seasonal Forecasting	
Stageseth et al. (2008)	Volume and Heat Transports to the Arctic Ocean Via the Norwegian and Barents Seas	http://link.springer.com/chapter/10.1007%2F978-1-4020-8774-7_3	In: Arctic-Subarctic Ocean Fluxes						
Sodemann and Stohli (2013)	Moisture origin and meridional transport in Atmospheric Rivers and their association with multiple cyclones.	doi: 10.1175/MWR-D-12-00266.1	Mon Wea Rev						
Sodemann et al. (2008)	Interannual variability of Greenland winter precipitation sources: Lagrangian moisture diagnostic and North Atlantic Oscillation influence.	doi:10.1029/2007JD008603	JGR Atmospheres						
Struthers et al. (2011)	The effect of sea ice loss on sea salt aerosol concentrations and the radiative balance in the Arctic.	www.atmos-chem-phys.net/11/3469/2011/	Atmos. Chem. Phys.	Sea-ice	Sea-salt emission				
Takaya and Nakamura (2005)	Mechanisms of intraseasonal amplification of the cold Siberian High	http://journals.ametsoc.org/doi/10.1175/JAS3926.1	J. Atmos. Sci.	cold surge	teleconnection		blocking	Rossby waves	winter monsoon
Takaya and Nakamura (2005)	Geographical dependence of upper-level blocking formation associated with intraseasonal amplification of the Siberian High	http://journals.ametsoc.org/doi/10.1175/JAS3926.1	J. Atmos. Sci.	cold surge	teleconnection		blocking	wave breaking	winter monsoon
Takaya and Nakamura (2013)	Interannual variability of the East Asian winter monsoon and related modulations of the planetary waves	http://journals.ametsoc.org/doi/10.1175/JCLI-D-12-00842.1	Journal of Climate	teleconnection		polar vortex	winter monsoon	cold surge	
Tang et al. (2013)	Cold winter extremes in northern continents linked to Arctic sea ice loss	http://journals.ametsoc.org/doi/10.1175/JCLI-D-12-00842.1	Journal of Climate						
Tang et al. (2014)	Extreme summer weather in northern mid-latitudes linked to a vanishing cryosphere	http://www.nature.com/nclimate/journal/4/n11/full/nclimate2085.html	Nature Climate Change						
Tietche et al. (2014)	Seasonal to interannual Arctic sea ice predictability in current global climate models	http://onlinelibrary.wiley.com/doi/10.1002/2013GL058755/full	GRL	Sea ice predictability					
Ukita et al. (2007)	Northern Hemisphere sea ice variability: lag structure and its implications	http://www.tellus.a.se/index.php/tellus/article/view/14933	Tellus A	sea ice loss	Arctic				
Vihma (2014)	Effects of Arctic Sea Ice Decline on Weather and Climate: A Review.	http://link.springer.com/article/10.1007%2F978-1-0712-014-6284-0	Surveys in Geophysics	Arctic	Climate change		Mid-latitude weather	Sea ice	Snow
Wang et al. (2009)	Interdecadal Variations of the East Asian winter monsoon and their association with quasi-stationary planetary wave activity	http://journals.ametsoc.org/doi/10.1175/2008JCLI2973.1	Journal of Climate	Siberian High		long-term variability			
Wang et al. (2013)	Seasonal prediction of Arctic sea ice extent from a coupled dynamical forecast system	DOI: 10.1175/MWR-D-13-00067.1	Mon Wea Rev						
Woodgate et al. (2010)	Revisiting the Bering Strait freshwater flux into the Arctic Ocean	doi:10.1029/2004GL021747	GRL						
Woods et al. (2013)	Large-scale circulation associated with moisture intrusions into the Arctic during winter.	doi:10.1002/grl.50912	GRL						
Wu and Wang (2002)	Winter Arctic Oscillation, Siberian High and East Asian winter monsoon	http://onlinelibrary.wiley.com/doi/10.1029/2002GL015373/full	GRL						
Wu et al. (1999)	Impact of variations of winter sea-ice extents in the Kara/Barents Seas on winter monsoon over East Asia	http://www.cma.gov.cn/jqzb_english/new/view_abstract.asp?file_no=1999020228&ag=1	Journal of Meteorological Research	Arctic	sea ice		Impact on mid-latitudes		
Wu et al. (2012)	Anomalous Arctic surface wind patterns and their impacts on September sea ice minima and trend	http://dx.doi.org/10.3402/tellus.v64n0.18590	Tellus	Arctic surface wind patterns	sea ice		Interactions		
Wu et al. (2013)	Winter weather patterns over Northern Eurasia and Arctic sea ice loss	http://journals.ametsoc.org/doi/10.1175/MWR-D-13-00048.1	Mon Wea Rev	Arctic	sea ice		Interactions		
Wu et al. (2013)	On the relationship between winter sea ice and summer atmospheric circulation over Eurasia	http://journals.ametsoc.org/doi/10.1175/JCLI-D-12-00624.1	Journal of Climate	Arctic	sea ice		Interactions		
Wu et al.(2008)	Dipole Anomaly in the winter Arctic atmosphere and its association with sea ice motion	http://journals.ametsoc.org/doi/10.1175/JCLI3819.1	Journal of Climate	Arctic	sea ice				
Wu et al.(2007)	A seesaw structure in SLP anomalies between the Beaufort Sea and the Barents Sea	http://onlinelibrary.wiley.com/doi/10.1029/2006GL028333/abstract	GRL						

Wu et al.(2009)	On the association between spring Arctic sea ice concentration and Chinese summer rainfall	http://onlinelibrary.wiley.com/doi/10.1029/2009GL037299/full	GRL	Arctic	sea ice	Interactions		
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Zunz et al. (2013)	How does internal variability influence the ability of CMIP5 models to reproduce the recent trend in Southern Ocean sea ice extent? Impact of the initialization on the predictability of the Southern Ocean sea ice at interannual to multi-decadal timescales	http://www.the-cryosphere.net/7/461/2013/hc-7-461-2013.html	The Cryosphere	Antarctic	sea ice	variability		
Zunz et al. (2014)	Impact of the initialization on the predictability of the Southern Ocean sea ice at interannual to multi-decadal timescales	http://link.springer.com/article/10.1007/s2Fe00362-014-2344-0	Climate Dynamics	Predictability	Initialization	Data assimilation	Southern Ocean	sea ice