

4-Apr-18

Begutachtete Publikationen (refereed publications):

2018

209. W. Park and **M. Latif** (2018): Ensemble Global Warming Simulations with Idealized Antarctic Meltwater. *Climate Dynamics*, in revision.
208. L. Jin, H. Lu, W. Park, B. Schneider, and **M. Latif** (2018): East–west contrast of Northeast Asian summer precipitation during the Holocene. *Global and Planetary Change*, submitted.
207. C. Wengel, D. Dommenges, **M. Latif**, T. Bayr, and A. Vijayeta (2018): What controls ENSO-amplitude diversity in climate models? *Geophys. Res. Lett.*, DOI: 10.1002/2017GL076849.
206. S. Khon, B. Schneider, **M. Latif**, W. Park, C. Wengel (2018): Evolution of Eastern Equatorial Pacific Seasonal and Interannual Variability during the Holocene and Eemian from Model Simulations. *Geophys. Res. Lett.*, submitted.
205. S. Steinig, J. Harlaß, W. Park, and **M. Latif** (2018): Sahel rainfall strength and onset improvements due to more realistic Atlantic cold tongue development in a climate model, *Scientific Reports*, doi:10.1038/s41598-018-20904-1.
204. X. Zhang, J. Chen, F. Chen, B. Schneider, W. Park, and **M. Latif** (2018): Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison. *Quaternary Science Reviews*, submitted.
203. S. Haase, K. Matthes, N. Omrani, and **M. Latif** (2018): The Importance of a Properly Represented Stratosphere for Northern Hemisphere Surface Variability in the Atmosphere and the Ocean. *J. Climate*, in revision.
202. S. Flögel, T. Wagner, S. Steinig, W. Park, J.O. Herrle, L. Handley, A. McAnena, H. Talbot, **M. Latif**, and P. Hofmann (2018): Decoupling of Cretaceous tropical ocean temperature and atmospheric carbon dioxide concentration. *Scientific Reports*, submitted.
201. L. Jin, X. Zhang, J. Chen, F. Chen, B. Schneider, W. Park, and **M. Latif** (2018): Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison. *Quat. Sci. Rev.*, submitted.
200. M.H. Bordbar, M.H. England, A. Sen Gupta, A. Santoso, A. Taschetto, T. Martin, W. Park, **M. Latif** (2018): Uncertainty in near-term global surface warming linked to Pacific trade wind variability. *Nature Communications*, in revision.
199. C. Wengel, **M. Latif**, W. Park, J. Harlaß, and T. Bayr (2018): Equatorial Pacific sea surface temperature annual cycle simulation benefits from alleviating zonal wind and cloud cover biases. *Climate Dynamics*, in revision.
198. **M. Latif**, T. Park, and W. Park (2018): Recent Decadal Atlantic Meridional Overturning Circulation Slowing Could have been Due to Internal Variability. *Scientific Reports*, under revision.
197. T. Bayr, **M. Latif**, D. Dommenges, C. Wengel, J. Harlaß, and W. Park (2018): Walker Circulation Position controls Ocean-Atmosphere Coupling in El Niño/Southern Oscillation. *Scientific Reports*, in revision.

2017

196. Z. Song, **M. Latif**, and W. Park (2017): Expanding Greenland Ice Sheet Enhances Sensitivity of Plio-Pleistocene Climate to Obliquity Forcing in the Kiel Climate Model. *Geophys. Res. Lett.*, DOI: 10.1002/2017GL074835.

195. T. Bayr, **M. Latif**, D. Dommenges, C. Wengel, J. Harlaß, and W. Park (2017): Mean-State Dependence of ENSO Atmospheric Feedbacks in Climate Models. *Climate Dynamics*, DOI 10.1007/s00382-017-3799-2.
194. **M. Latif**, Th. Martin, A. Reintges, and W. Park (2017): Southern Ocean Decadal Variability and Predictability. *Current Climate Change Reports*, DOI: 10.1007/s40641-017-0068-8.
193. A. Reintges, **M. Latif**, Th. Martin, and W. Park (2017): Physical controls of Southern Ocean deep-convection variability in CMIP5 models and the Kiel Climate Model. *Geophys. Res. Lett.*, doi:10.1002/2017GL074087.
192. J. Harlaß, **M. Latif**, and W. Park (2017): Alleviating Tropical Atlantic Sector Biases in the Kiel Climate Model by Enhancing Horizontal and Vertical Atmosphere Model Resolution: Climatology and Interannual Variability. *Climate Dynamics*, doi:10.1007/s00382-017-3760-4.
191. M. Pfeiffer, J. Zinke, W.C. Dullo, D. Garbe-Schönberg, **M. Latif**, and M.E. Weber (2017): Indian Ocean corals reveal crucial role of World War II bias for twentieth century warming estimates. *Scientific Reports*, doi: 10.1038/s41598-017-14352-6.
190. C. Wengel, **M. Latif**, W. Park, J. Harlaß, and T. Bayr (2017): Controls of seasonal ENSO phase locking in the Kiel Climate Model: The importance of the equatorial cold sea surface temperature bias. *Climate Dynamics*, doi:10.1007/s00382-017-3648-3.
189. M.H. Bordbar, Th. Martin, **M. Latif**, and W. Park (2017): Role of Internal Variability in Recent Decadal to Multidecadal Tropical Pacific Climate Changes. *Geophys. Res. Lett.*, DOI: 10.1002/2016GL072355.
188. Y. Wu, T. Park, W. Park, and **M. Latif** (2017): North Atlantic climate model bias influence on multiyear predictability. *EPSL*, 481, 171-176.
187. G. Zhou, **M. Latif**, R.J. Greatbatch, and W. Park (2017): State-Dependence of Atmospheric Response to Extratropical North Pacific SST Anomalies. *J. Climate*, 30, 509-525, DOI: <http://dx.doi.org/10.1175/JCLI-D-15-0672.1>.

2016

186. **M. Latif**, M. Claussen, M. Schulz, and T. Brücher (2016): Comprehensive Earth System Models of the Last Glacial Cycle. *Eos*, 97, doi:10.1029/2016EO059587.
185. Z. Song, **M. Latif**, W. Park, U. Krebs-Kanzow, and B. Schneider (2016): Influence of Seaway Changes during the Pliocene on Tropical Pacific Climate in the Kiel Climate Model: Mean State, Annual Cycle, ENSO, and their Interactions. *Climate Dynamics*, doi:10.1007/s00382-016-3298-x.
184. W.K. Wang, K. Matthes, N. Omrani, and **M. Latif** (2016): Decadal variability of tropical tropopause temperature and its relation to the Pacific Decadal Oscillation. *Scientific Reports*, 6, doi:10.1038/srep29537.
183. C. Volosciuk, D. Maraun, V.A. Semenov, N. Tilinina, S.K. Gulev, and **M. Latif** (2016): Rising Mediterranean Sea Surface Temperatures Amplify Extreme Summer Precipitation in Central Europe. *Scientific Reports*, 6 (32450), pp. 1-7. DOI 10.1038/srep32450.
182. K. Grosfeld, P. Lemke, P. Braesicke, A. Brauer, K. Dethloff, M. Kunz, **M. Latif**, B. Ratter, T. Sachs, H.P. Schmid, H. R. Treffeisen, and R. Schwarze (2016): The Helmholtz regional climate initiative REKLIM from a polar perspective - A preface. *Polarforschung*, 85 (2), 65-68, DOI 10.2312/polfor.2016.001.
181. A. Reintges, **M. Latif**, and W. Park (2016): Sub-decadal North Atlantic Oscillation Variability in Observations and the Kiel Climate Model. *Climate Dynamics*, 48, 3475–3487, doi:10.1007/s00382-016-3279-0.
180. A. Reintges, Th. Martin, **M. Latif**, and N. S. Keenlyside (2016): Uncertainty in 21st Century Projections of the Atlantic Meridional Overturning Circulation in CMIP3 and CMIP5 models. *Climate Dynamics*, DOI 10.1007/s00382-016-3180-x.

179. T. Park, W. Park, and **M. Latif** (2016): Correcting North Atlantic Sea Surface Salinity Biases in the Kiel Climate Model: Influences on Ocean Circulation and Atlantic Multidecadal Variability. *Climate Dynamics*, 47(7), 2543-2560, DOI: 10.1007/s00382-016-2982-1.
178. Y. Wu, **M. Latif**, and W. Park (2016): Multiyear Predictability of Northern Hemisphere Surface Air Temperature in the Kiel Climate Model. *Climate Dynamics*, 1–12, doi: 10.1007/s00382-015-2871-z.

2015

177. V.A. Semenov, Th. Martin, L.K. Behrens, and **M. Latif** (2015): Arctic Sea Ice Area in CMIP3 and CMIP5 Climate Model Ensembles – Variability and Change. *The Cryosphere Discuss.*, 9, 1077-1131, www.the-cryosphere-discuss.net/9/1077/2015/ doi:10.5194/tcd-9-1077-2015.
176. X. Xu, J. Segsneider, B. Schneider, W. Park, and **M. Latif** (2015): Oxygen minimum zone variations in the tropical Pacific during the Holocene. *Geophys. Res. Lett.*, DOI: 10.1002/2015GL064680.
175. G. Zhou, **M. Latif**, R.J. Greatbatch, and W. Park (2015): Atmospheric Response to the North Pacific Enabled by Daily Sea Surface Temperature Variability. *Geophys. Res. Lett.*, DOI: 10.1002/2015GL065356.
174. H. Ding, R.J. Greatbatch, **M. Latif**, and W. Park (2015): The impact of sea surface temperature bias on equatorial Atlantic interannual variability in partially coupled model experiments. *Geophys. Res. Lett.*, DOI: 10.1002/2015GL064799.
173. V.A. Semenov and **M. Latif** (2015): Nonlinear winter atmospheric circulation response to Arctic sea ice concentration anomalies for different periods during 1966-2012. *Environ. Res. Lett.*, 10, 054020, doi:10.1088/1748-9326/10/5/054020.
172. S.K. Gulev and **M. Latif** (2015): Ocean science: The origins of a climate oscillation. *Nature*, 521 (7553), 428-430.
171. A. Drews, R.J. Greatbatch, H. Ding, **M. Latif**, and W. Park (2015): The use of a flow field correction technique for alleviating the North Atlantic cold bias with application to the Kiel Climate Model. *Ocean Dynamics*, 65, 1079-1093, DOI 10.1007/s10236-015-0853-7.
170. **M. Latif**, V.A. Semenov, and W. Park (2015): Super El Niños in Response to Global Warming in a Climate Model. *Climatic Change*, 4, 489-500, DOI: 10.1007/s10584-015-1439-6.
169. J. Harlass, **M. Latif**, and W. Park (2015): Improving Climate Model Simulation of Tropical Atlantic Sea Surface Temperature: The Importance of Enhanced Vertical Atmosphere Model Resolution. *Geophys. Res. Lett.*, DOI: 10.1002/2015GL063310.
168. M.H. Bordbar, Th. Martin, **M. Latif**, and W. Park (2015): Effects of long-term variability on projections of twenty-first century dynamic sea level. *Nature Climate Change* 5, 343–347, doi:10.1038/nclimate2569.
167. H. Ding, N.S. Keenlyside, **M. Latif**, S. Wahl, and W. Park (2015): The Impact of Mean State Errors on Equatorial Atlantic Interannual Variability in a Climate Model. *J. Geophys. Res.*, 120, 1133–1151, DOI: 10.1002/2014JC010384.
166. To. Martin, W. Park, and **M. Latif** (2015): Southern Ocean Forcing of the North Atlantic at Multi-centennial Timescales in the Kiel Climate Model. *Deep-Sea Research II*, 2015, 39-48, DOI: 10.1016/j.dsr2.2014.01.018.

2014

165. J. Ba, N.S. Keenlyside, **M. Latif**, W. Park, H. Ding, K. Lohmann, J. Mignot, M. Menary, O.H. Otterå, B. Wouters, D. Salas y Melia, A. Oka, A. Bellucci, E. Volodin (2014): A

- multi-model comparison for Atlantic multidecadal variability. *Climate Dynamics*, DOI: 10.1007/s00382-014-2056-1.
164. M. Klöwer, **M. Latif**, H. Ding, R.J. Greatbatch, and W. Park (2014): Atlantic Meridional Overturning Circulation and Prediction of North Atlantic Sea Surface Temperature. *Earth Planet. Sci. Lett.*, 10.1016/j.epsl.2014.09.001.
163. L. Jin, B. Schneider, W. Park, **M. Latif**, V. Khon, X. Zhang (2014): The spatial-temporal patterns of Asian summer monsoon precipitation in response to Holocene insolation change: a model-data synthesis. *Quaternary Science Reviews*, 85, 47–62.
162. R. Hand, N.S. Keenlyside, N.-E. Omrani, and **M. Latif** (2014): Simulated response to interannual SST variations in the Gulf Stream region. *Climate Dynamics*, 42, 715-731, DOI 10.1007/s00382-013-1715-y.
161. H. Ding, R.J. Greatbatch, W. Park, **M. Latif**, V. Semenov, and X. Sun (2014): The variability of the East Asian Summer Monsoon and its relationship to ENSO in a partially coupled climate model, *Climate Dynamics*, 42, 367-379, DOI 10.1007/s00382-012-1642-3.
160. C.-P. Chang, M. Ghil, H.-C. Kuo, **M. Latif**, C.-H. Sui, and J.M. Wallace (2014): Understanding Multidecadal Climate Changes. *Bull. Amer. Meteor. Soc.*, doi: 10.1175/BAMS-D-13-00015.1.

2013

159. J. Ba, N.S. Keenlyside, W. Park, **M. Latif**, E. Hawkins, and H. Ding (2013): A mechanism for Atlantic Multidecadal Variability in the Kiel Climate Model. *J. Climate*, DOI: 10.1007/s00382-012-1633-4.
158. H. Ding, R.J. Greatbatch, **M. Latif**, W. Park, and R. Gerdes (2013): Hindcast of the 1976/77 and 1998/99 climate shifts in the Pacific. *J. Climate*, doi: <http://dx.doi.org/10.1175/JCLI-D-12-00626.1>.
157. S.K. Gulev, **M. Latif**, N.S. Keenlyside, W. Park, and K.P. Koltermann (2013): North Atlantic Ocean Control on Surface Heat Flux at Multidecadal Timescales. *Nature*, 499, 464-467, DOI: 10.1038/nature12268.
156. N.S. Keenlyside, H. Ding, and **M. Latif** (2013): Potential of Equatorial Atlantic Variability to Enhance El Niño Prediction. *Geophys. Res. Lett.*, DOI: 10.1002/grl.50362.
155. **M. Latif**, To. Martin, and W. Park (2013): Southern Ocean Sector Centennial Climate Variability and Recent Decadal Trends. *J. Climate*, 26(19), 7767-7782, doi: 10.1175/JCLI-D-12-00281.1.
154. To. Martin, W. Park, and **M. Latif** (2013): Multi-Centennial Variability Controlled by Southern Ocean Convection in the Kiel Climate Model. *Climate Dynamics*, 40, 7, 2005-2022, DOI: 10.1007/s00382-012-1586-7.

2012

153. H. Ding, N.S. Keenlyside, and **M. Latif** (2012): Impact of the Equatorial Atlantic on the El Niño Southern Oscillation. *Climate Dynamics*, DOI: 10.1007/s00382-011-1097-y.
152. G. Branstator, H. Teng, G.A. Meehl, M. Kimoto, J.R. Knight, **M. Latif**, and A. Rosati (2012): Systematic Estimates of Decadal Predictability for Six CGCMs. *J. Climate*, doi: 10.1175/JCLI-D-11-00227.1.
151. V. Khon, W. Park, **M. Latif**, I. Mokhov, and B. Schneider (2012): Tropical Circulation and Hydrological Cycle Response to Orbital Forcing. *Geophys. Res. Lett.*, 39, doi:10.1029/2012GL052482.
150. Q. Meng, **M. Latif**, W. Park, N.S. Keenlyside, V.A. Semenov, and Th. Martin (2012): Twentieth Century Walker Circulation Change: Data Analysis and Model Experiments, *Climate Dynamics*, 38, 1757-1773, DOI: 10.1007/s00382-011-1047-8.

149. O.R. Salau, B. Schneider, W. Park, V. Khon, and **M. Latif** (2012): Modeling the ENSO Impact of Orbitally-induced Mean State Changes. *J. Geophys. Res. (Oceans)*, 117, C05043, doi:10.1029/2011JC007742.
148. V.A. Semenov and **M. Latif** (2012): The Early Twentieth Century Warming and Winter Arctic Sea Ice. *The Cryosphere*, 6, 1231-1237, doi:10.5194/tc-6-1231-2012.
147. V. Semenov, I.I. Mokhov, and **M. Latif** (2012): Influence of the Ocean Surface Temperature and Sea Ice Concentration on Regional Climate Changes in Eurasia in Recent Decades. *Izvestiya, Atmospheric and Oceanic Physics*, 2012, 48, 355–372.
146. W. Park and **M. Latif** (2012): Atlantic Meridional Overturning Circulation Response to Idealized External Forcing. *Climate Dynamics*, DOI: 10.1007/s00382-011-1212-0.

2011

145. M.B. Menary, W. Park, K. Lohmann, M.D. Palmer, **M. Latif**, and J. Jungclauss (2011): A multimodel comparison of centennial Atlantic meridional overturning circulation variability. *Climate Dynamics*, DOI: 10.1007/s00382-011-1172-4.
144. V. Mehta, G. Meehl, L. Goddard, J. Knight, A. Kumar, **M. Latif**, T. Lee, A. Rosati, and D. Stammer (2011): DECADEAL CLIMATE PREDICTABILITY AND PREDICTION. Where Are We? *Bull. Amer. Meteor. Soc.*, 92, 637-640, DOI:10.1175/2010BAMS3025.1.
143. S.-W. Yeh, B.P. Kirtman, J.-S. Kug, W. Park, and **M. Latif** (2011): Natural variability of the central Pacific El Niño event on multi-centennial timescales. *Geophys. Res. Lett.*, 38, L02704, doi:10.1029/2010GL045886.
142. **M. Latif** and N.S. Keenlyside (2011): A Perspective on Decadal Climate Variability and Predictability. *Deep-Sea Research II*, 10.1016/j.dsr2.2010.10.066.
141. A. Biastoch, T. Treude, L. Rüpke, U. Riebesell, C. Roth, E. Burwicz, W. Park, **M. Latif**, C. Böning, G. Madec, and K. Wallmann (2011): Rising Arctic Ocean temperatures cause gas hydrate destabilization and ocean acidification. *Geophys. Res. Lett.*, L08602, doi:10.1029/2011GL047222.

2010

140. X. Sun, R.J. Greatbatch, W. Park, and **M. Latif** (2010): Two major modes of variability of the East Asian Summer Monsoon. *QJRMS*, 136, DOI: 10.1002/qj.635.
139. V. C. Khon, I.I. Mokhov, **M. Latif**, V.A. Semenov, and W. Park (2010): Perspectives of northern sea route and Northwest Passage in the 21st century. *Climatic Change*, 100, 757–768, DOI 10.1007/s10584-009-9683-2.
138. V.A. Semenov, **M. Latif**, D. Dommenges, N.S. Keenlyside, A. Strehz, Th. Martin, and W. Park (2010): The Impact of North Atlantic-Arctic Multidecadal Variability on Northern Hemisphere Surface Air Temperature. *J. Climate*, 23, 5668-5677, doi: 10.1175/2010JCLI3347.1.
137. V.C. Khon, W. Park, **M. Latif**, I.I. Mokhov, and B. Schneider (2010): Response of the Hydrological Cycle to Orbital and Greenhouse Gas Forcing. *Geophys. Res. Lett.*, 37, L19705, doi:10.1029/2010GL044377.
136. H. Ding, N.S. Keenlyside, and **M. Latif** (2010): Equatorial Atlantic interannual variability: the role of heat content. *J. Geophys. Res.*, 115, C09020, doi:10.1029/2010JC006304.
135. **M. Latif** (2010): Uncertainty in climate change projections. *Journal of Geochemical Exploration*, Special Issue Geochemical Cycling, doi:10.1016/j.gexplo.2010.09.011.
134. W. Park and **M. Latif** (2010): Pacific and Atlantic Multidecadal Variability in the Kiel Climate Model. *Geophys. Res. Lett.*, 37, L24702, doi:10.1029/2010GL045560.

2009:

133. H. Ding, N.S. Keenlyside, and **M. Latif** (2009): Seasonal cycle in the upper equatorial Atlantic Ocean, *J. Geophys. Res.*, 114, C09016, DOI:10.1029/2009JC005418.
132. **M. Latif**, W. Park, H. Ding, and N. Keenlyside (2009): Internal and External North Atlantic Sector Variability in the Kiel Climate Model. *Meteor. Zeitschrift*, 18 (4), 433-443.
131. W. Park, N.S. Keenlyside, **M. Latif**, A. Ströh, R. Redler, E. Roeckner, and G. Madec (2009): Tropical Pacific climate and its response to global warming in the Kiel Climate Model. *J. Climate*, 22, 71-92, DOI: 10.1175/2008JCLI2261.1.
130. V.A. Semenov, W. Park, and **M. Latif** (2009): Barents Sea inflow shutdown: A new mechanism for rapid climate changes. *Geophys. Res. Lett.*, 36, L14709, DOI:10.1029/2009GL038911.
129. J. Bader and **M. Latif** (2009): The 1983 Drought in the West Sahel – a Case Study. *J. Climate*, doi ist: 10.1007/s00382-009-0700-y.
128. S. Wahl, **M. Latif**, W. Park, and N.S. Keenlyside (2009): On the Tropical Atlantic Warm Bias in the Kiel Climate Model. *Climate Dynamics*, DOI 10.1007/s00382-009-0690-9.

2008:

127. F. Alvarez-Garcia, **M. Latif**, and A. Biastoch (2008): On multidecadal and quasi-decadal North Atlantic variability. *J. Climate*, 21, 3433–3452.
126. O. Bartdorff, K. Wallmann, **M. Latif**, and V.A. Semenov (2008): The Phanerozoic evolution of atmospheric methane. *Global Biogeochem. Cycles*, 22, GB1008, doi:10.1029/2007GB002985.
125. D. Dommenges and **M. Latif** (2008): Generation of Hyper Climate Mode. *Geophys. Res. Lett.*, 35, L02706, doi:10.1029/2007GL031087.
124. S. Hetzinger, M. Pfeiffer, C. Dullo, N.S. Keenlyside, **M. Latif**, and J. Zinke (2008): Caribbean brain coral tracks the Atlantic Multidecadal Oscillation and past hurricane activity. *Geology*, 36, doi: 10.1130/G24321A.1.
123. N.S. Keenlyside, **M. Latif**, J. Jungclaus, L. Kornbluh, and E. Roeckner (2008): Advancing decadal-scale climate prediction in the North Atlantic sector. *Nature*, 453, 84-88 doi:10.1038/nature06921.
122. **M. Latif** and N.S. Keenlyside (2008): El Niño/Southern Oscillation response to global warming. *Proc. Nat. Ac. Sci.*, doi:10.1073/pnas.0710860105.
121. U. Lötjien, S.K. Gulev, **M. Latif**, O. Zolina, and V. Soloviev, 2008: Cyclone life cycle characteristics over the Northern Hemisphere in coupled GCMs. *Climate Dynamics*, doi: 10.1007/s00382-007-0355-5.
120. D. Matei, N.S. Keenlyside, **M. Latif**, and J. Jungclaus (2008): Subtropical forcing of tropical Pacific climate and decadal ENSO modulation. *J. Climate*, 21, 4691-4709.
119. W.A. Müller, C. Appenzeller, and **M. Latif** (2008): NAO and predictability. *PROMET*, 34 (3/4), 130-137.
118. W. Park and **M. Latif** (2008): Multidecadal and Multicentennial Variability of the Meridional Overturning Circulation. *Geophys. Res. Lett.*, 35, L22703, doi:10.1029/2008GL035779.
117. V.A. Semenov and **M. Latif**, J. Jungclaus, and W. Park (2008): Is the observed NAO variability during the instrumental record unusual? *Geophys. Res. Lett.*, 35, L11701, doi:10.1029/2008GL033273.

2007:

116. N.S. Keenlyside and **M. Latif** (2007): Understanding equatorial Atlantic interannual variability. *J. Climate*, 20 (1), 131-142.
115. N.S. Keenlyside, **M. Latif**, and A. Dürkop (2007): On Sub-ENSO variability. *J. Climate*, 20, 3452-3469.

114. **M. Latif**, N. S. Keenlyside, and J. Bader (2007): Tropical sea surface temperature, vertical wind shear, and hurricane development. *Geophys. Res. Lett.*, 34, L01710, doi:10.1029/2006GL027969.
113. K. Lohmann and **M. Latif** (2007): Influence of El Niño on the upper-ocean circulation in the tropical Atlantic Ocean. *J. Climate*, 20, 5012-5018.
112. G. Meehl, C. Covey, T. Delworth, **M. Latif**, B. McAvaney, J. Mitchell, R. Stouffer, and K. Taylor (2007): The WCRP CMIP3 multi-model dataset: A new era in climate change research. *Bull. Amer. Meteor. Soc.*, 88, 1383-1394.
111. B. Schneider, **M. Latif**, and A. Schmittner (2007): Evaluation of different methods to assess model projections of the future evolution of the Atlantic Meridional Overturning Circulation. *J. Climate*, 20, 2121-2132.

2006:

110. M. Collins, M. Botzet, A. Carril, H. Drange, A. Jouzeau, **M. Latif**, O. H. Ottera, Masina, S., H. Pohlmann, A. Sorteberg, R. Sutton, and L. Terray (2006): Interannual to decadal climate predictability in the North Atlantic: A multimodel-ensemble study. *J. Climate*, 19 (7), 1195-1203.
109. D. Dommenges, V. Semenov, and **M. Latif** (2006): Impacts of the tropical Indian and Atlantic Oceans on ENSO. *Geophys. Res. Lett.*, 33, L11701, doi:10.1029/2006GL025871.
108. J. Jungclaus, N. S. Keenlyside, M. Botzet, H. Haak, J.-J. Luo, **M. Latif**, J. Marotzke, U. Mikolajewicz, and E. Roeckner (2006): Ocean circulation and tropical variability in the coupled model ECHAM5/MPI-OM. *J. Climate*, 19, 3952-3972.
107. **M. Latif** (2006): On North Pacific Multidecadal Climate Variability. *J. Climate*, 19, 2906-2915.
106. **M. Latif**, M. Collins, H. Pohlmann, and N. S. Keenlyside, 2006: A review of predictability studies of the Atlantic sector climate on decadal time scales. *J. Climate*, 19, 5971-5987.
105. **M. Latif**, C. Böning, J. Willebrand, A. Biastoch, J. Dengg, N. S. Keenlyside, U. Schweckendiek, and G. Madec (2006): Is the thermohaline circulation changing? *J. Climate*, 19, 4631-4637.
104. H. Pohlmann, F. Sienz, and **M. Latif** (2006): Influence of the multidecadal Atlantic meridional overturning circulation variability on European climate. *J. Climate*, 19, 6062-6067.
103. V. Semenov and **M. Latif** (2006): Impact of tropical Pacific variability on the mean state of the North Atlantic thermohaline circulation. *Geophys. Res. Lett.*, 33, L16708, doi:10.1029/2006GL026237.
102. P. Wetzol, E. Maier-Reimer, M. Botzet, J. Jungclaus, N. S. Keenlyside, and **M. Latif** (2006): Effects of ocean biology on the penetrative radiation in a coupled climate model. *J. Climate*, 19, 3973-3987.

2005:

101. J. Bader and **M. Latif** (2005): North Atlantic Oscillation response to anomalous Indian Ocean SST in a coupled GCM. *J. Climate*, 18, 5382-5389.
100. A. Baquero-Bernal and **M. Latif** (2005): Wind-driven Rossby waves in the tropical South Indian Ocean with and without an active ENSO. *J. Phys. Oceanogr.*, 35, 729-746.
99. J. Jungclaus, H. Haak, **M. Latif**, and U. Mikolajewicz (2005): Arctic-North Atlantic interactions and multidecadal variability of the thermohaline circulation. *J. Climate*, 18 (19), 4013-4031.
98. N. S. Keenlyside, **M. Latif**, and co-authors (2005): A coupled method for initialising ENSO forecasts using SST. *Tellus*, 57A(3), 340-356.

97. K. Lohmann and **M. Latif** (2005): Pacific Decadal Variability and the Subtropical-Tropical Cells. *J. Climate*, 18, 5163-5177.
96. G. Meehl, C. Covey, B. McAvaney, **M. Latif**, and R. Stouffer (2005): Overview of the Coupled Model Intercomparison Project (CMIP). *Bull. Amer. Met. Soc.*, 86, 89-93.
95. W. Park and **M. Latif** (2005): Ocean Dynamics and the Nature of Air-Sea Interactions over the North Atlantic. *J. Climate*, 18 (7), 982-995.
94. H. Pohlmann and **M. Latif** (2005): Atlantic versus Indo-Pacific influence on Atlantic-European climate. *Geophys. Res. Lett.*, 32, L05707, doi:10.1029/2004GL021316.
93. A. Schmittner, **M. Latif** and B. Schneider (2005): Model projections of the North Atlantic thermohaline circulation for the 21st century assessed by observations. *Geophys. Res. Lett.*, 32, L23710, doi:10.1029/2005GL024368.

2004:

92. E. Guilyardi, S. Gualdi, J. Slingo, A. Navarra, P. Delecluse, J. Cole, G. Madec, M. Roberts, **M. Latif** and L. Terray (2004): Representing El Niño in coupled ocean-atmosphere GCMs: The dominant role of the atmospheric component? *J. Climate*, 17, 4623-4629.
91. **M. Latif**, E. Roeckner, M. Botzet, M. Esch, H. Haak, S. Hagemann, J. Jungclaus, S. Legutke, S. Marsland, U. Mikolajewicz, and J. Mitchell (2004): Reconstructing, Monitoring, and Predicting Multidecadal-Scale Changes in the North Atlantic Thermohaline Circulation with Sea Surface Temperature. *J. Climate*, 17, 1605-1614.
90. S. Metzger, **M. Latif** and K. Fraedrich (2004): Combining ENSO-Forecasts: A Feasibility Study. *Mon. Wea. Rev.*, 132, 456-472.
89. T. Palmer, U. Andersen, P. Cantelaube, M. Davey, M. Deque, F. J. Doblas-Reyes, H. Feddersen, R. Graham, S. Gualdi, J.-F. Gueremy, R. Hagedorn, M. Hoshen, N. Keenlyside, **M. Latif**, A. Lazar, E. Maisonave, V. Marletto, A. P. Morse, B. Orfila, P. Rogel, J.-M. Terres, and M. C. Thomson (2004): Development of a European Multi-Model Ensemble System for Seasonal to Inter-Annual Prediction (DEMETER). *Bull. Amer. Met. Soc.*, 85, 853-872.
88. H. Pohlmann, M. Botzet, **M. Latif**, A. Roesch, M. Wild and P. Tschuk (2004): Estimating the long-term predictability of a coupled AOGCM. *J. Climate*, 17 (22), 4463-4472.
87. K. Rodgers, P. Friedrichs and **M. Latif** (2004): Tropical Pacific Decadal Variability and its relation to decadal modulations of ENSO. *J. Climate*, 17, 3761-3774.

2003:

86. J. Bader and **M. Latif** (2003): The impact of decadal-scale Indian Ocean Sea Surface Temperature Anomalies on Sahelian rainfall and the North Atlantic Oscillation. *Geophys. Res. Lett.*, 30, 2169-2172.
85. D. Dommenges and **M. Latif** (2003): Reply to a comment of Behera et al. on "A cautionary note on the interpretation of EOFs". *J. Climate*, 16, 1094-1098.
84. H. Haak, J. Jungclaus, U. Mikolajewicz, and **M. Latif** (2003): On the formation and propagation of great salinity anomalies. *Geophys. Res. Lett.*, 30, 9, 1473-76.
83. K. Hasselmann, **M. Latif** and co-authors (2003): The challenge of long-term climate change. *Science*, 302, 1923-1925.
82. **M. Latif** (2003): Tropical Pacific influences on the North Atlantic thermohaline circulation. *Ann. Geophys.*, 46, 99-107.
81. S. Marsland, **M. Latif**, and S. Legutke (2003): Antarctic Circumpolar Modes in a Coupled Ocean-Atmosphere Model. *Ocean Dynamics*, 53, 4, 323-331.
80. S. Marsland, H. Haak, J. Jungclaus, **M. Latif** and F. Röske (2003): The Max-Planck-Institute global ocean/sea ice model with orthogonal curvilinear coordinates. *Ocean Modelling*, 5, 91-127.

79. H. Paeth, **M. Latif** and A. Hense (2003): Predictability of 20th century NAO variability. *Climate Dynamics*, 21, 63-75.

2002:

78. A. Baquero-Bernal, **M. Latif** and S. Legutke (2002): On dipole-like variability in the tropical Indian Ocean. *J. Climate*, 15, 1358-1368.

77. M. Davey, **M. Latif** and co-authors (2002): STOIC: A study of coupled model climatology and variability in tropical ocean regions. *Climate Dynamics*, 18, 403-420.

76. D. Dommenges and **M. Latif** (2002): A cautionary note on the interpretation of EOFs. *J. Climate*, 15, 216-225.

75. D. Dommenges and **M. Latif** (2002): Analysis of observed and simulated SST spectra in midlatitudes. *Climate Dynamics*, 19, 277-288.

74. R. Franke, M. Ziller, C. Staubach, and **M. Latif** (2002): Impact of El Niño/Southern Oscillation on Visceral Leishmaniasis, Brazil. *Emerg. Inf. Dis.*, 8, 914-917.

73. U. Merkel and **M. Latif** (2002): A high-resolution AGCM study of the El Niño impact on the North Atlantic/European sector. *Geophys. Res. Lett.*, 29, 10.1029-10.1032.

2001:

72. F.-F. Jin, Z.-Z. Hu, **M. Latif**, L. Bengtsson and E. Roeckner (2001): Dynamical and cloud- radiative feedbacks in El Niño and greenhouse warming. *Geophys. Res. Lett.*, 28, 1539- 1542.

71. **M. Latif** (2001): Tropical Pacific/Atlantic Ocean interactions at multi-decadal time scales. *Geophys. Res. Lett.*, 28 , 539-542.

70. **M. Latif** and co-authors (2001): ENSIP: The El Niño Simulation Intercomparison Project. *Climate Dynamics*, 18, 255-276.

69. D. Pierce, T. P. Barnett, N. Schneider, R. Saravanan, D. Dommenges and **M. Latif** (2001): The role of ocean dynamics in producing decadal climate variability in the North Pacific. *Climate Dynamics*, 18, 51-70.

2000:

68. D. Dommenges and **M. Latif** (2000): Interannual to decadal variability in the tropical Atlantic. *J. Climate*, 13, 777-792.

67. Z.-Z. Hu, **M. Latif**, E. Roeckner and L. Bengtsson (2000): Intensified Asian summer monsoon and its variability in a coupled model forced by increasing greenhouse gas concentrations. *Geophys. Res. Lett.*, 27, 2681-2684.

66. **M. Latif** and A. Grötzner (2000): On the equatorial Atlantic oscillation and its response to ENSO. *Climate Dynamics*, 16, 213-218.

65. **M. Latif**, K. Arpe and E. Roeckner (2000): Oceanic control of decadal North Atlantic sea level pressure variability in winter. *Geophys. Res. Lett.*, 27, 727-730.

64. **M. Latif**, E. Roeckner, U. Mikolajewicz and R. Voss (2000): Tropical stabilisation of the thermohaline circulation in a greenhouse warming simulation. *J. Climate*, 13, 1809-1813.

63. G. A. Meehl, G. J. Boer, C. Covey, **M. Latif**, and R. J. Stouffer (2000): The coupled model intercomparison project (CMIP). *Bull. Amer. Meteor. Soc.*, 81, 313-318

62. D. Pierce, T. P. Barnett and **M. Latif** (2000): Connections between the Pacific Ocean Tropics and Midlatitudes on Decadal Time Scales. *J. Climate*, 13, 1173-1194.

61. K. Rodgers, **M. Latif** and S. Legutke (2000): Sensitivity of equatorial Pacific and Indian Ocean watermasses to position of Indonesian Throughflow opening. *Geophys. Res. Lett.* , 27, 2941-2944.

60. S. Venzke, **M. Latif** and A. Villwock (2000): The coupled GCM ECHO-2. Part II: Indian Ocean response to ENSO. *J. Climate*, 13, 1371-1383.

59. S. Venzke, M. Münnich and **M. Latif** (2000): On the predictability of decadal changes in the North Pacific. *Climate Dynamics*, 16, 379-392.
58. A. Grötzner, **M. Latif** and D. Dommenges (2000), Atmospheric response to sea surface temperature anomalies during El Niño 1997/98 as simulated by ECHAM4. *Q.J.R. Meteorol. Soc.*, 126: 2175–2198. doi:10.1002/qj.49712656710.

1999:

57. N. Schneider, S. Venzke, A. J. Miller, D. Pierce, T. P. Barnett, C. Deser and **M. Latif** (1999): Oceanic Bridge Revisited. *Geophys. Res. Lett.*, 26, 1329-1332.
56. A. Timmermann, J. Oberhuber, A. Bacher, M. Esch, **M. Latif** and E. Roeckner (1999): Increased El Niño frequency in a climate model forced by future greenhouse warming. *Nature*, 398, 694-697.
55. T. P. Barnett, D. W. Pierce, R. Saravanan, N. Schneider, D. Dommenges and **M. Latif** (1999): Origins of the midlatitude Pacific decadal oscillation. *Geophys. Res. Lett.*, 26, 1453-1456.
54. T. P. Barnett, D. Pierce, **M. Latif**, D. Dommenges and R. Saravanan (1999): Interdecadal interactions between the tropics and midlatitudes in the Pacific Ocean. *Geophys. Res. Lett.*, 26, 615-618.
53. A. Timmermann, **M. Latif**, A. Grötzner and R. Voss (1999): Modes of variability as simulated by a global climate model. Part I: ENSO-like climate variability and its low-frequency modulation. *Climate Dynamics*, 15, 605-618.
52. A. Grötzner, **M. Latif**, A. Timmermann and R. Voss (1999): Interannual to Decadal Predictability in a Coupled Ocean-Atmosphere General Circulation Model. *J. Climate*, 12, 2607-2624.
51. W. Robertson, M. Ghil and **M. Latif** (1999): Interdecadal changes in atmospheric low-frequency variability with and without boundary forcing. *J. Atmos. Sci.*, 57, 1132-1140.
50. **M. Latif**, D. Dommenges and M. Dima (1999): The role of Indian Ocean sea surface temperature in forcing east African climate anomalies during winter 1997/1998. *J. Climate*, 12, 3497-3504.

1998:

49. T. N. Krishnamurti, R. CORREA-TORRES, **M. Latif**, and G. Daughenbaugh (1998): The impact of current and possibly future sea surface temperature anomalies on the frequency of Atlantic hurricanes. *Tellus A*, 50, 186-210.
48. **M. Latif**, D. Anderson, T. Barnett, M. Cane, R. Kleeman, A. Leetmaa, J. O'Brien, A. Rosati and E. Schneider (1998): A review of the predictability and prediction of ENSO. *J. Geophys. Res.*, 103, C7, 14,375-14,393.
47. J. Oberhuber, E. Roeckner, M. Christoph, M. Esch and **M. Latif** (1998): Predicting the '97 El Niño event with a global climate model. *Geophys. Res. Lett.*, 25, 2273-2276.
46. A. Timmermann, **M. Latif**, R. Voss and A. Grötzner (1998): Northern Hemisphere interdecadal variability: A coupled air-sea mode. *J. Climate*, 11, 1906-1931.
45. M. Münnich, **M. Latif**, S. Venzke and E. Maier-Reimer (1998): Decadal oscillations in a simple coupled model. *J. Climate*, 11, 3309-3319.
44. W. Xu, T. P. Barnett and **M. Latif** (1998): Decadal variability in the North Pacific as simulated by a hybrid coupled model. *J. Climate*, 11, 297-312.
43. Grötzner, **M. Latif** and T. P. Barnett (1998): A decadal cycle in the North Atlantic as simulated by the ECHO coupled GCM. *J. Climate*, 11, 831-847.
42. D. Neelin and **M. Latif** (1998): El Niño dynamics. *Physics Today*, December, 32-36.
41. **M. Latif** (1998): Dynamics of interdecadal variability in coupled ocean-atmosphere models. *J. Climate*, 11, 602-624.

1997:

40. M. Fischer, **M. Latif**, M. Flügel and M. Ji (1997): The impact of data assimilation on ENSO simulations and predictions. *Mon. Wea. Rev.*, 125, 819-829.
39. **M. Latif**, R. Kleeman and C. Eckert (1997): Greenhouse warming, decadal variability, or El Niño: An attempt to understand the anomalous 1990's. *J. Climate*, 10, 2221-2239.
38. Frey, **M. Latif** and T. Stockdale (1997): The coupled GCM ECHO-2. Part I: The tropical Pacific. *Mon. Wea. Rev.*, 125, 703-720.
37. Eckert and **M. Latif** (1997): Predictability limits of ENSO: The role of stochastic forcing. *J. Climate*, 10, 1488-1504.

1996:

36. **M. Latif**, A. Grötzner, M. Münnich, E. Maier-Reimer, S. Venzke and T. P. Barnett (1996): A mechanism for decadal climate variability. Proceedings of NATO the winter school on "decadal variability", Les Houches, February 1995. NATO ASI Series, Vol 44, Springer Verlag, Berlin.
35. **M. Latif** and T.P. Barnett (1996): Decadal climate variability over the North Pacific and North America: Dynamics and predictability. *J. Climate*, 9, 2407-2423.
34. J. Adis and **M. Latif** (1996): Amazonian arthropods respond to El Niño. *Biotropica*, 28, 403-408.

1995:

33. C.R. Mechoso, A.W. Robertson, N. Barth, P. Delecluse, B. Kirtman, **M. Latif**, T. Nagai, S.G.H. Philander, P.S. Schopf, T. Stockdale, M.J. Suarez, O. Thual and J. Tribbia (1995): The seasonal cycle over the tropical Pacific in general circulation models. *Mon. Wea. Rev.*, 123, 2825-2838.
32. N. Schneider, T.P. Barnett, **M. Latif** and T. Stockdale (1995): Warm pool physics in a coupled GCM. *J. Climate*, 9, 219-239.
31. S. Drijfhout, C. Heinze, **M. Latif** and E. Maier-Reimer (1995): Mean circulation and variability in an ocean primitive equation model. *J. Phys. Oceanogr.*, 26, 559-580.
30. P.J. Depetris, S. Kempe, **M. Latif** and W.G. Mook (1995): The ENSO signal in the Paraná River discharge (1904-1991). *Naturwissenschaften*, 83, 127-129.
29. T.P. Barnett, **M. Latif**, N.E. Graham and M. Flügel (1995): On the wavenumber-frequency structure of variations in the tropical climate system. *Tellus*, 47A, 998-1012.
28. **M. Latif** and T.P. Barnett (1995): Interactions of the tropical oceans. *J. Climate*, 4, 952-964.
27. T.P. Barnett, L. Bengtsson, K. Arpe, M. Flügel, N.E. Graham, **M. Latif**, J. Ritchie, E. Roeckner, U. Schlese, U. Schulzweida M. Tyree (1994): Forecasting global ENSO-related climate anomalies. *Tellus*, 46A, 381-397.

1994:

26. **M. Latif**, T. Stockdale, J.-O. Wolff, G. Burgers, E. Maier-Reimer, M.M. Junge, K. Arpe and L. Bengtsson (1994): Climatology and variability in the ECHO CGCM. *Tellus*, 46A, 351-366.
25. **M. Latif**, T.P. Barnett, M.A. Cane, M. Flügel, N.E. Graham, H. von Storch, J.-S. Yu and S.E. Zebiak (1994): A review of ENSO prediction studies. *Climate Dynamics*, 9, 167-179.
24. T. Stockdale, G. Burgers, **M. Latif** and J.-O. Wolff (1994): Some sensitivities of a coupled ocean-atmosphere GCM. *Tellus*, 46A, 367-380.
23. J.D. Neelin, **M. Latif** and F.F. Jin (1994): Dynamics of coupled ocean atmosphere models. The tropical problem. *Ann. Rev. Fluid. Mech.*, 26, 617-659.

22. J. Zou and **M. Latif** (1994): Modes of climate variability in the tropical Pacific as derived from satellite altimetry. *J. Geophys. Res.*, 99, 9963-9975.
21. **M. Latif** and T.P. Barnett (1994): Causes of decadal climate variability over the North Pacific and North America. *Science*, 266, 634-637.
20. Grieger and **M. Latif** (1994): Reconstruction of the El Niño attractor with neural networks. *Climate Dynamics*, 10, 267-276.
19. M. Fischer and **M. Latif** (1994): Assimilation of temperature and sea level observations into a primitive equation model of the tropical Pacific. *J. Mar. Sys.*, 6, 31-46.
18. L. Bengtsson, U. Schlese, E. Roeckner, **M. Latif**, T.P. Barnett and N.E. Graham (1993): A two-tiered approach to long range climate forecasting. *Science*, 261, 1026-1029.

1993:

17. T.P. Barnett, **M. Latif**, N.E. Graham, M. Flügel, S. Pazan and W. White (1993): ENSO and related predictability. Part I: Prediction of equatorial Pacific sea surface temperature with a hybrid coupled ocean-atmosphere model. *J. Climate*, 6, 1545-1566.
16. **M. Latif**, M. Assenbaum, A. Sterl, M.M. Junge and E. Maier-Reimer (1993): Climate variability in a coupled GCM. Part II: The Indian Ocean and Monsoon. *J. Climate*, 7, 1449- 1462.
15. **M. Latif**, A. Sterl, E. Maier-Reimer and M.M. Junge (1993): Structure and predictability of the El Niño/Southern Oscillation phenomenon in a coupled ocean-atmosphere general circulation model. *J. Climate*, 6, 700-708.
14. **M. Latif**, A. Sterl, E. Maier-Reimer and M.M. Junge (1993): Climate variability in a coupled general circulation model. Part I: The tropical Pacific. *J. Climate*, 6, 5-21.

1992:

13. J.D. Neelin, **M. Latif** and contributors (1992): Tropical air - sea interaction in general circulation models. *Climate Dynamics*, 7, 73-104.
12. **M. Latif** and N.E. Graham (1992): How much predictive skill is contained in the thermal structure of an OGCM? *J. Phys. Oceanogr.*, 22, 951-962.

1991:

11. S. Bakan, A. Chlond, U. Cubasch, J. Feichter, H. Graf, H. Graßl, K. Hasselmann, I. Kirchner, **M. Latif**, E. Roeckner, R. Sausen, U. Schlese, D. Schriever, I. Schult, U. Schumann, F. Sielmann and W. Welke (1991): Climate response to burning oil wells in Kuwait. *Nature*, 351, 367-371.
10. **M. Latif** and M. Flügel (1991): An investigation of short range climate predictability in the tropical Pacific. *J. Geophys. Res.*, Vol. 96, 2661-2673.

1984-1990:

9. **M. Latif**, J. Biercamp, H. von Storch, M. McPhaden and E. Kirk (1990): Simulation of ENSO related surface wind anomalies with an atmospheric GCM forced by observed SST. *J. Climate*, 3, 509-521.
8. T.P. Barnett, **M. Latif**, E. Kirk and E. Roeckner (1990): On ENSO physics. *J. Climate*, 4, 487-515.
7. **M. Latif** and A. Villwock (1990): Interannual variability as simulated in coupled ocean-atmosphere models. *J. Mar. Syst.*, 1, 51-60.
6. T.P. Barnett, L. Dümenil, U. Schlese, E. Roeckner and **M. Latif** (1988): The effect of Eurasian snow cover on regional and global climate variations. *J. Atmos. Sci.*, 46, 661-685.
5. **M. Latif**, J. Biercamp and H. von Storch (1988): The response of a coupled ocean-atmosphere general circulation model to wind bursts. *J. Atmos. Sci.*, 45, 964-979.

4. **M. Latif** (1987): Tropical ocean circulation experiments. *J. Phys. Oceanogr.*, 17, 246-263.
3. **M. Latif**, E. Maier-Reimer and D.J. Olbers (1985): Climate variability studies with a primitive equation model of the equatorial Pacific. J.C.J. Nihoul (Ed.), *Coupled Ocean-Atmosphere Models*, pp. 63-81, Elsevier Science Publishers B.V., Amsterdam, The Netherlands.
2. Brümmer and **M. Latif** (1985): Some studies on inflection point instability. *Beitr. Phys. Atmosph.*, 58, 117-126.
1. Peters, **M. Latif** and W.J. Müller (1984): Fluctuations of the vertical wind as measured by Doppler-SODAR. *Meteorol. Rdsch.*, 37, 16-19.

Bücher, CDs und Buchkapitel (books, CDs, and book chapters):

Bücher (books):

- M. Latif** (2017): *Die Meere, der Mensch und das Leben. Bilanz einer existenziellen Beziehung.* Herder Verlag, 320 S.
- M. Latif** (2014): *Das Ende der Ozeane – Warum wir nicht ohne die Meere überleben werden.* Herder Verlag, 320 S.
- M. Latif** (2012): *Globale Erwärmung,* Ulmer Verlag, 120 S.
- M. Latif** (2010): *Warum der Eisbär einen Kühlschrank hat ... und andere Geheimnisse aus der Klima- und Wetterforschung.* Herder Verlag, 176 S.
- M. Latif** (2009): *Climate Change: The Point of No Return. Background and Prognoses (Sustainability Project),* Haus Publishing, 260 S.
- M. Latif** (2009): *Klimawandel und Klimadynamik.* UTB Ulmer Verlag, 220 S.
- M. Latif** (2007): *Herausforderung Klimawandel. 2. Aktualisierte Ausgabe von „Hitzerekorde und Jahrhundertflut. Herausforderung Klimawandel. Was wir jetzt tun müssen.“.* Heyne Verlag.
- M. Latif** (2007): *Bringen wir das Klima aus dem Takt? Hintergründe und Prognosen.* Erschienen in der Reihe „Die Zukunft der Menschheit“. Fischer Verlag, 255 S.
- M. Latif** (2004): *Klima.* Fischer Kompakt. Fischer Verlag, 127 S.
- M. Latif** (2003): *Hitzerekorde und Jahrhundertflut. Herausforderung Klimawandel. Was wir jetzt tun müssen.* Heyne Verlag. 160 S.

CDs:

- M. Latif:** "Erdsystem-Management - Klimawandel als globale Herausforderung". Audio-CD, c+p 2007 suppose Köln, ISBN 978-3-932513-82-4, LC 10439.
- M. Latif** et al: "Schon gewusst? - Wissenschaftler erklären Kindern die Welt. Box 1" Audio CD, ISBN-13: 978-3-89835-415-8.

Buchkapitel (book chapters):

1. **M. Latif** (2017): Climate change: the point of no return. *A Sustainable Future.* Klaus Wiegandt (Hrsg.). Haus Publishing Limited, 53-79.
2. **M. Latif** (2017): Der globale Wandel und die Zukunft der Klimapolitik. *Umbrüche. Auslöser für Evolution und Fortschritt,* 59-64. Universitätsverlag Göttingen.
3. **M. Latif** (2017): Klimawandel: Wo stehen wir nach Paris? *Aus der Zukunft lernen. Unsere Welt 2030.* Edition BMZ, 60-73.

4. H. Schmidt, V. Eyring, **M. Latif**, D. Rechid, R. Sausen (2016): Globale Sicht des Klimawandels. Klimawandel in Deutschland. G.P. Brasseur, D. Jacob, S. Schuck-Zöller (Hrsg.). Springer, 7-16.
5. **M. Latif** (2016): Bringen wir das Klima aus dem Takt. Hintergründe und Prognosen. Mut zur Nachhaltigkeit. Klaus Wiegandt (Hrsg.). S. Fischer Verlag, 80-112.
6. **M. Latif** (2016): Treibhauseffekt, Wetter, Klima, Klimawandel. Erkenntnis, Wissenschaft und Gesellschaft. Wie Forschung Wissen schafft. Wilfried Buchmüller und Cord Jacob (Hrsg.). Springer, 137-150.
7. **M. Latif** (2016): Nur Lippenbekenntnisse? In: *Après Paris: Die Konsequenzen der Klimakonferenz von Paris.* ; 2016 . Sonnenenergie - ebooks, 4 . Heise Medien, pp. 26-33. ISBN 978-3-95788-083-3 .
8. **M. Latif** (2016): Vom Umgang mit der Unsicherheit. Unter 2 Grad? Jörg Sommer und Michael Müller (Hrsg.). Hirzel Verlag, 122-131.
9. **M. Latif** (2016): Wetter und Klima. Die Welt von Morgen. Eine Familie auf den Spuren des Klimawandels. Jana und Jens Steingässer. National Geographic Deutschland, 66-67.
10. **M. Latif** (2016): Vom Umgang mit der Unsicherheit. Unter 2 Grad? Was der Weltklimavertrag wirklich bringt. Sommer, Jörg, Müller Michael (Hrsgb.). S. Hirzel Verlag, 320 pp, ISBN 978-3-7776-2570-6.
11. **M. Latif** (2015): Global Warming Continues, International Climate Politics Keeps Failing. *Legal Regimes for Environmental Protection. Governance for Climate Change and Ocean Resources.* Koch, König, Sanden and Verheyen (Eds.). BRILL NIJHOFF. pp 11-22.
12. **M. Latif** (2015): Klimamodelle. Wissenschaft und Kunst der Modellierung. *Wissenschaft und Kunst der Modellierung. Kieler Zugang zur Definition, Nutzung und Zukunft.* B. Thalheim und I. Nissen (Hrsg.). Philosophische Analyse, 64, DE GRUYTER, 281-306.
13. **M. Latif**, To. Martin, W. Park, and M. H. Bordbar (2015): Internal Southern Ocean Centennial Variability: Dynamics, Impacts and Implications for Global Warming. *Climate Change: Multidecadal and Beyond.* Chang, Ghil, Latif and Wallace (Eds.). World Scientific Series on Asia-Pacific Weather and Climate: Volume 6. pp. 109-124. doi: 10.1142/9789814579933_0007
14. **M. Latif** (2014): Modell. NETZ. Vom Sippnen in der Kunst. Kunsthalle zu Kiel. Kerber Verlag, 74-75.
15. **M. Latif** (2013): The oceans' role in modeling and predicting decadal climate variations. In Siedler, G., Griffies, S., Gould, J. and Church, J. (Eds.): *Ocean Circulation and Climate, 2nd Ed. A 21st century perspective*, Academic Press, 2013. International Geophysics Series, Volume 103, ISBN: 9780123918512.
16. **M. Latif** (2013): The Impact of Global Warming on the Oceans. *Climate Change and Environmental Hazards Related to Shipping. An International Legal Framework.* MARTINUS NIJHOFF PUBLISHERS, 179-191.
17. **M. Latif**, and W. Park (2012): Climatic Variability on Decadal to Century Time-Scales. In "The Future of the World's Climate", A. Henderson-Sellers and K. McGuffie (Eds), Elsevier, ISBN 978-0-12-386917-3.
18. **M. Latif** (2012): Nach uns die Sintflut? Klimawandel-Wetterwandel-Lebenswandel. Kirche schützt Klima. fenestra-verlag, 41-49.
19. **M. Latif** (2011): Herausforderung globaler Klimawandel. *Wissenschaft für nachhaltige Entwicklung! Multiperspektivische Beiträge zu einer verantwortungsbewussten Wissenschaft.* Metropolis-Verlag, Marburg, 427-441.
20. **M. Latif** (2011): Uncertainty in climate change projections. *Reframing the Problem of Climate Change. From Zero Sum Game to Win-Win Solutions.* C. Jaeger, K. Hasselmann, G. Leipold, D. Mangalagiu, and J. Tabara (Eds.). Earthscan, UK, 17-34.
21. **M. Latif** (2011): Klimavariabilität, El Nino/Southern Oszillation, die Nordatlantische und die Atlantische Multidekadische Oszillation - Mit Anmerkungen zur Vorhersagbarkeit. *WARNSIGNAL KLIMA: Die Meere - Änderungen & Risiken.* J. L. Lozan, H. Graßl, L. Karbe, K. Reise (Herausgeber). Wissenschaftliche Auswertungen, Hamburg, 78-89.
22. **M. Latif** (2011): Die Wissenschaft klärt auf: Warum ist der Himmel blau? Das Hängemattenbuch. *Geschichten zum Abschalten.* Herder Verlag, 40-46.

23. **M. Latif** (2011): Das Geheimnis des Regenbogens. *Leben 2011*. Herder Verlag, 178-185.
24. Hurrell, J. W., and co-authors (incl. **M. Latif**) (2010): "Decadal Climate Prediction: Opportunities and Challenges" in *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.45.
25. Rintoul, S. R., and co-authors (incl. **M. Latif**) (2010): "Deep circulation and meridional overturning: Recent progress and strategy for sustained observations". In J. Hall, D. E. Harrison, & D. Stammer (Eds.), *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society, Vol. 1* (pp. 175-191). European Space Agency.
26. **M. Latif** (2009): Herausforderung Klimawandel. *Klima und Energie. Im Spannungsfeld von Risiko und Verantwortung. Umweltsymposium an der Universität Konstanz am 19. Juni 2009*. Stiftung „Umwelt und Wohnen“ an der Universität Konstanz, 43-46.
27. **M. Latif** (2009): Warten auf den Umwelt-Gorbi. *Energie Zukunft*. Jürgen Petermann (Hrsg.). Viessmann Werke, 40-47.
28. **M. Latif** (2008): Wird es auf der Erde immer warmer? *Aula. Wissenschaft für neugierige Kinder*. Ralf Caspary (Hrsg.). Boje Verlag, 96-107.
29. **M. Latif** (2007): Wie stark ist der anthropogene Klimawandel? *Der UN-Weltklima-report*. M. Müller, U. Fuentes und H. Kohl (Hrsg.). KiWi, 186-189.
30. **M. Latif** (2007): Bringen wir das Klima aus dem Takt? In: *Global Compact Deutschland 2006 (Jahrbuch)*, Mediengruppe macondo (Hrsg.), Münster, Germany, 8-11.
31. **M. Latif**, C. Böning, J. Willebrand, A. Biastoch, F. Alvarez, and N. Keenlyside (2007): Decadal to Multidecadal Variability of the Atlantic MOC: Mechanisms and Predictability. *AGU Geophysical Monograph 173 "Ocean Circulation: Mechanisms and Impacts – Past and Future Changes of Meridional Overturning"*, A. Schmittner, J. Chiang, and S. Hemming (Eds.). American Geophysical Union, Washington DC, 149-166.
32. **M. Latif** (2006): Die Wüste ist überall. Die globale Klimaerwärmung und die Folgen. In „*Glanzlichter der Wissenschaft*“. Lucius, 71-84.
33. **M. Latif** (2006): Kein gutes Klima für den Menschen. In: H. Fell, C. Pfeiffer (Hrsg.): *Chance Energiekrise - Der solare Ausweg aus der fossil-atomaren Sackgasse*. Solarpraxis, Berlin, 65-72.
34. **M. Latif** (2006): Der globale Klimawandel. In: Hans-Jürgen Kaatsch, Hartmut Rosenau, Werner Theobald (Hrsg.): *Umweltethik. Ethik Interdisziplinär*. Bd. 12, LIT Münster-Hamburg-London, 31-38.
35. **M. Latif** (2006): Verändert der Mensch das Klima? Warnsignal Klimawandel: Wird Wasser knapper? In: Hutter, C.-P., Link, F.G. (Hrsg.): *Beiträge der Akademie für Natur- und Umweltschutz Baden Württemberg*, Band 42, 14-22.
36. **M. Latif**, H. Pohlmann and W. Park (2006): Predictability of the North Atlantic Thermohaline Circulation. In: "Predictability of Weather and Climate", T.N. Palmer and R. Hagedorn (Eds.), Cambridge University Press, 342-364.
37. **M. Latif** (2005): Verändert der Mensch das Klima? Ein nichtlineares System mit verblüffendem Verhalten. In „*Die Zukunft der Erde. Was verträgt unser Planet noch?*“. E. P. Fischer und K. Wiegandt (Hrsg.). Fischer Verlag, Frankfurt a.M., 118-129. ISBN 3-596-17126-1
38. **M. Latif** (2005): Die Klimaproblematik. In "Klimapolitik in einer erweiterten Europäischen Union. Chemnitzer Studien, Band 7, Shaker Verlag, 15-25.
39. **M. Latif** (2005): Climate Change and El Niño. In "Weather catastrophes and climate change – Is there still hope for us?" Münchener Rückversicherungs-Gesellschaft, 42-49.
40. **M. Latif** (2004): Klimaänderung und El Niño. In "Wetterkatastrophen und Klimawandel - sind wir noch zu retten?" Münchener Rückversicherungs-Gesellschaft, 42-49.
41. **M. Latif** (2004): Der globale Klimawandel. In "Gletscher im Treibhaus". W. Zängl und S. Hamberger, Tecklenborg Verlag, 220-225.

42. J. Meincke, D. Quadfasel, W. H. Berger, K. Brander, R. R. Dickson, P. M. Haugan, **M. Latif**, J. Marotzke, J. Marshall, J. Minster, J. Pätzold, G. Parilla, W. de Ruijter, and F. Schott (2003): Variability of the Thermohaline Circulation (THC). In "Marine Science Frontiers for Europe". G. Wefer, F. Lamy, F. Mantoura (Eds.), Springer Verlag, 39-60.
43. **M. Latif** (2003): Das Klima des 20. und 21. Jahrhunderts. In: „Luft“. Bernd Busch (Hrsg.), Wienand Verlag, Köln. Schriftenreihe FORUM, Band 12, Elemente des Naturhaushaltes IV, 111-115.
44. **M. Latif**, A. Timmermann, A. Grötzner, C. Eckert and R. Voss (2002): On North Atlantic Interdecadal Variability: A Stochastic View. In: "Ocean Forecasting", N. Pinardi and J. Woods (Eds.), Springer Verlag, 149-178.
45. **M. Latif** (2002): Erblast für Jahrhunderte. Wie der Treibhauseffekt entsteht und warum er nicht leicht zu stoppen ist. In: "Die grosse Flut", Jörg Kachelmann (Hrsg.), Rowohlt Verlag, 80-98.
46. **M. Latif**, A. Grötzner, M. Münnich, E. Maier-Reimer, S. Venzke, and T.P. Barnett (1996): A mechanism for decadal climate variability. In "Decadal climate variability. Dynamics and Predictability". D.L.T. Anderson and J. Willebrand (Eds.). NATO ASI Series. Series I: Global Environmental Change, Vol. 44, 263-292.
47. **M. Latif** (1990): ENSO Modelling at MPI. In "Climate-Ocean Interactions". M.E. Schlesinger (Ed.). Kluwer Academic Publishers, 173-191.

Nicht begutachtet Publikationen (non-refereed publications):

1. **M. Latif** (2018): Ist das schon Klimawandel? Kultur Austausch. Zeitschrift für internationale Perspektiven, 1, 2018, 54.
2. A. Reintges, **M. Latif**, and W. Park, W. (2017): Sub-decadal variability of the North Atlantic Oscillation in observations and the Kiel Climate Model. CLIVAR Exchanges 71:43-46.
3. P. Schlosser, S. Pfirman, R. Pomerance, M. Williams, B. Ack, P. Duffy, H. Eicken, **M. Latif**, M. Murray, D. Wallace (2016): A 5°C Arctic in a 2°C World. CHALLENGES AND RECOMMENDATIONS FOR IMMEDIATE ACTION FROM THE JULY 21-22, 2016 WORKSHOP. Briefing Paper for Arctic Science Ministerial September 20, 2016.
4. **M. Latif** (2016): WIR SIND SPÄT DRAN. positionen, DAS MAGAZIN DER DEUTSCHEN VERSICHERER, 3_2016,46.
5. **M. Latif** (2016): APRÈS PARIS: NUR LIPPENBEKENNTNISSE? TEIL 4 DER SERIE: DIE KONSEQUENZEN DER KLIMAKONFERENZ VON PARIS. Sonnenenergie, 4, 26-33.
6. **M. Latif** (2016): Wasser und Klimawandel. ÜberLebensMittel Wasser – wie wir mit unserer elementaren Ressource umgehen (sollten). MISERIOR, KEB EUTSCHLAND, STIFTUNG ZASS (Hg.), 10-13.
7. **M. Latif** (2016): Wo stehen wir nach dem Klimavertrag von Paris? Perspektiven fortschrittlicher und kritischer Wissenschaft und Kultur. C. Klug, J. Lutz, K. Krusewitz (Hrsg.). Tagungsband, 9. Offene Akademie 2015, 12-14.
8. **M. Latif** (2016): Editorial. innovation & energie, 3, 1/2016.
9. **M. Latif** (2015): Klimawandel, Forschung, Medien. Deutschlandradio, 14, 11/2015.
10. **M. Latif** (2015): Plastikmüll im Meer. Alnatura Magazin, 07, 2015.
11. **M. Latif** (2015): Versager unter sich. KulturAustausch, 1/2015, 22-23.
12. G. Brasseur, **M. Latif**, I. Fischer-Bruns (2015): Macht die Erderwärmung eine Pause? Globale Erwärmung und Klimavariabilität. Climate Service Center 2.0 des Helmholtz-Zentrums Geesthacht.
13. **M. Latif** (2014): Wir haben kein Erkenntnisproblem, sondern ein Umsetzungsproblem. mobil. Das Magazin der Deutschen Bahn, 11, 32-34.
14. **M. Latif** (2013): Kalte Winter und die globale Erwärmung. η green, 02/13, 22-24.

15. **M. Latif** (2012): Klimawandel - Fakt oder Fiktion? 33. Duisburger Kolloquium Schiffstechnik/Meerestechnik. Das Schiff nach dem Öl. Band 33, 63-65. Universität Duisburg-Essen
16. **M. Latif** (2012): Nach uns die Sintflut – droht uns der Klimakollaps? IDA MAGAZIN, 1, 42-43.
17. **M. Latif** (2012): Nach uns die Sintflut? Energiezukunft, Heft 12, Sommer 2012, 18-19.
18. **M. Latif** (2012): Globale Erwärmung. Naturwissenschaften im Unterricht Chemie. Heft 129, 23, 3/12, 2-7.
19. **M. Latif** (2012): Die Zeit drängt. Trendbook Umwelttechnologien 2012/2013. Deutscher Fachverlag GmbH. Entsorga-Magazin, 12-15.
20. **M. Latif** (2012): Kohlendioxid – der Stoff, aus dem die globale Erwärmung ist. Wirtschaft&Wissenschaft, Heft 1/2012, 44-47.
21. **M. Latif** (2012): Noch ist unser Klima zu retten. BoschZünder, 1, 2012, 18.
22. **M. Latif** (2012): Klimawandel in Schleswig-Holstein. Lebensart, 02, 14-15.
23. **M. Latif** (2011): Kohlendioxid – der Stoff, aus dem die globale Erwärmung ist. SINNSTIFTER 2011. Stifterverband für die Deutsche Wissenschaft e. V., Essen, 18-31.
24. **M. Latif** (2011): Der Ozean am Scheideweg: Wo wollen wir hin? Exzellenzcluster „Ozean der Zukunft“. Universität Kiel, 16-21.
25. **M. Latif** (2011): Warum viele offizielle Statistiken über den Ausstoß von Klimagas die Tatsachen auf den Kopf stellen. GEO, 11, 134-135.
26. **M. Latif** (2011): Strategie für ein Leben im Klimawandel. CHAN^C/gE, 2, 8-9.
27. **M. Latif** (2011): Katastrophen allenthalben und was wir daraus lernen können. SIV.NEWS, 3, 22-23.
28. **M. Latif** (2011): Was das Meer erzählt. Gesund durch Homöopathie, 1, 18-19.
29. **M. Latif** (2011): Die Energiesysteme der Zukunft. Schindler Magazin, 6-7.
30. **M. Latif** (2011): Klimawandel: eine Frage der internationalen Gerechtigkeit. UNESCO heute, 2, 20-22.
31. **M. Latif** (2010): Die Zeit drängt. chemie&more, 4, 26-29.
32. **M. Latif** (2010): Klimawandel: Fakt oder Fiktion? Deutsche Bauern Korrespondenz, 5, 6.
33. **M. Latif** (2010): The world's oceans, global climate drivers. World Ocean Review. Maribus, Hamburg, pp. 8-25. ISBN 978-3-86648-012-4.
34. **M. Latif** (2010): Die Weltmeere, Motor des globalen Klimas. World Ocean Review 2010. Maribus, Hamburg, pp. 8-25. ISBN 978-3-86648-000-1.
35. **M. Latif** (2010): Die Herausforderung globaler Klimawandel. Perspektiven der Wirtschaftspolitik, Band 11 (Sonderheft), 4-12.
36. **M. Latif** (2010): Klimawandel: Fakt oder Fiktion? Deutsche Bauern Korrespondenz, 5/10, S. 6.
37. **M. Latif** (2010): Klimaforschung unter Beschuss. Universitas, 65, 766, 334-339.
38. Ivanova E. V., V. Semenov, I. Murdmaa, W. Park, N. Chistyakova (2010), **M. Latif**, B. Risebrobakken, G. N. Alekhina: The impact of the Atlantic Water inflow on the Holocene environments in the Barents Sea: data and modeling results. In 40th International Arctic Workshop, Program and Abstracts 2010. Institute of Arctic and Alpine Research (INSTAAR), University of Colorado at Boulder, 100-104.
39. **M. Latif** (2009): Herausforderung globaler Klimawandel. MUZ, 3, 4-5.
40. **M. Latif** (2009): Klimawandel. Praxis Geographie, 3, 6-8.
41. N. Keenlyside, N.-E. Omrani, K. Krüger, **M. Latif**, and A. Scaife (2008): Decadal predictability: How might the startosphere be involved? SPARC Newsletter, 31, 23-27.
42. W.A. Müller, C. Appenzeller, and **M. Latif** (2008): NAO and predictability. PROMET, 34 (3/4), 130-137.

43. I. Mokhov, V. A. Semenov, V. Ch. Khon, **M. Latif**, and E. Roeckner (2007): Connection between Eurasian and North Atlantic Climate Anomalies and Natural Variations in the Atlantic Thermohaline Circulation Based on Long-Term Model Calculations. *Dokl. Earth Sci.*, 419A, 3, DOI: 10.1134/S1028334X08030331.
44. **M. Latif** (2007): Unentwegter Anstieg bis ins Jahr 3000? Der Meeresspiegelanstieg ist gewiss. *Die Erde hat Fieber. Mut zur Nachhaltigkeit. Bild der Wissenschaft plus*, 23-25.
45. **M. Latif** (2007): Der globale Klimawandel und seine Folgen. In „Umdenken. Für eine nachhaltige Klimapolitik. Junge Union Deutschlands.“ Philipp Mißfelder (Hrsg.). Weiss Verlag.
46. **M. Latif** (2007): Klimawandel - eine unbequeme Wahrheit? In „Umwelt und Zukunft. Prominente antworten“. Tanja Gönner (Hrsg.). Umweltministerium Baden-Württemberg, 56-57.
47. **M. Latif** (2007): Der Mensch bringt das Klima aus dem Takt. *factorY*, 2, 8-9.
48. **M. Latif** (2007): Verändert der Mensch das Klima? *Forschung&Lehre*, 2, 68-70.
49. **M. Latif** (2007): Globale und langfristige Strategie gegen den Klimawandel erforderlich. *EurUP*, 5, 267-270.
50. **M. Latif** (2006): Das El Niño/Southern Oscillation Phänomen. *PROMET*, 32, Nr. 3/4, 123-129.
51. **M. Latif** (2006): Verändert sich der Golfstrom? Gerät die Warmwasserheizung Europas wirklich ins Stottern? *Wettermagazin*, 07/2006, 54-58.
52. **M. Latif** (2006): Der menschliche Einfluss auf das Klima. *Aus Politik und Zeitgeschichte (APuZ)*, 13, 26-31.
53. **M. Latif** (2005): Verändert der Mensch das Klima? *Forst und Holz*, 11, 443-446.
54. **M. Latif** (2005): Verändert der Mensch das Klima? Die Frage stellt sich nicht mehr. *UWSF - Zeitschrift für Umwelchemie und Ökotoxikologie*, 17 (4), 193-196.
55. **M. Latif** (2005): Verändert der Mensch das Klima? *Der Mathematische und Naturwissenschaftliche Unterricht (MNU)*, 58, 282-286.
56. **M. Latif** (2004): Der globale Klimawandel. *Pellets*, 04/04, 10-13.
57. **M. Latif**, M. Collins, R.J. Stouffer, H. Pohlmann, and N. Keenlyside (2004): The physical basis for prediction of Atlantic sector climate on decadal timescales. *CLIVAR Exchanges*, 9, 6-8.
58. S. Solanki, A. Ohmura, J. Beer, C. Froehlich, **M. Latif**, S. Rahmstorf, C.-D. Schönwiese, and U. Neu (2003): Sonne spielt nur eine untergeordnete Rolle. *Chemische Rundschau*, 13, 29-30.
59. Hegerl, G. Meehl, C. Covey, **M. Latif**, B. McAveney, and R. Stouffer (2003): 20C3M: CMIP collecting data from 20th century coupled model simulations. *CLIVAR Exchanges*, 26, 1-4.
60. J. Bader and **M. Latif** (2003): The role of tropical SST in forcing Sahelian rainfall variations. *CLIVAR Exchanges*, 27, 17-18.
61. **M. Latif** (2003): Jahreszeitenvorhersage. *PROMET*, 1-4, 72-79.
62. **M. Latif** (2003): Die Klimaproblematik. *Umwelt, Medizin, Gesellschaft*, 1, 9-12.
63. **M. Latif** (2003): Climate variability in the North Atlantic. In "Contributions to Global Change Research". German National Committee on Global Change Research, Bonn 2001, 9-12.
64. **M. Latif** and co-authors (2002): Predictability of the thermohaline circulation. *Proceedings of a seminar held at ECMWF on "Predictability of Weather and Climate"*, pp 265-273. Available from ECMWF, Shinfield Park, Reading, UK.
65. U. Merkel and **M. Latif** (2002): The ENSO impact on the North-Atlantic/European sector as simulated by high resolution ECHAM4 experiments. *CLIVAR Exchanges*, 23, 6-7.

66. **M. Latif** (2002): Der Klimawandel kommt in Fluss. Max Planck Forschung, 4, 19-22.
67. U. Merkel and **M. Latif** (2001): A high-resolution AGCM study of the El Niño impact on the North Atlantic/European sector. Max-Planck-Institut für Meteorologie, Report No. 325.
68. R. Allan, D. Chambers, W. Drosowsky, H. Hendon, **M. Latif**, N. Nicholls, I. Smith, R. Stone, and Y. Tourre (2001): Is there an Indian Ocean dipole and is it independent of the El Niño-Southern Oscillation. CLIVAR Exchanges, 21, 18-22.
69. A. Baquero and **M. Latif** (2001): On dipole-like variability in the tropical Indian Ocean. Max-Planck-Institut für Meteorologie, Report No. 326.
70. **M. Latif** (2001): Tropical Pacific influences on the North Atlantic thermohaline circulation. Proceedings of the Hanse Conference, Bremen, February 2001.
71. **M. Latif** (2001): Rio, Kioto, Den Haag und nun? Phys. Blätter, 57, 2, 3-3.
72. **M. Latif** (2001): On North Pacific climate variability. Max-Planck-Institut für Meteorologie, Report No. 318.
73. **M. Latif**, V. Mehta and co-authors (2000): Data requirements for decadal-to-centennial climate variability studies and coupled models. Proceedings of International Conference on "The Ocean Observing System for Climate", 18-22 October 1999, Saint-Raphael, France.
74. S. Schöttle and **M. Latif** (2000): Assimilation of TOPEX/POSEIDON data improves ENSO hindcast skill. CLIVAR Exchanges, 5, 8-10.
75. D. Dommenges and **M. Latif** (2000): Generation of SST anomalies in the midlatitudes. Max-Planck-Institut für Meteorologie, Report No. 304.
76. Dommenges and **M. Latif** (2000): A cautionary note on the interpretation of EOFs. Max-Planck-Institut für Meteorologie, Report No. 309.
77. **M. Latif** (2000): Saisonale und dekadische Klimavariabilität und -vorhersage. Klimawirkungsforschung auf dem Prüfstand. Schriften des Forschungszentrum Jülich, 25, 33-54.
78. **M. Latif** (2000): On the interpretation of climate change in the tropical Pacific. Max-Planck-Institut für Meteorologie, Report No. 306.
79. **M. Latif** (2000): Tropical Pacific/Atlantic Ocean interactions at multi-decadal time scales. Max-Planck-Institut für Meteorologie, Report No. 305.
80. **M. Latif** (2000): From Weather Prediction to Short-Range Climate Prediction. Proceedings of the colloquium "50th Anniversary of Numerical Weather Prediction". Deutsche Meteorologische Gesellschaft, A. Spekat (Editor), 245-255.
81. F.-F. Jin, Z.-Z. Hu, **M. Latif**, L. Bengtsson, and E. Roeckner (1999): Dynamical and cloud-radiation feedbacks in El Niño and greenhouse warming. Max-Planck-Institut für Meteorologie, Report No. 302.
82. **M. Latif**, K. Arpe and E. Roeckner (1999): Oceanic control of decadal North Atlantic sea level pressure variability in winter. Max-Planck-Institut für Meteorologie, Report No. 292.
83. **M. Latif** and E. Roeckner (1999): Tropical stabilisation of the thermohaline circulation in a greenhouse warming simulation. Max-Planck-Institut für Meteorologie, Report No. 299.
84. **M. Latif** (1999): Ozonloch und Treibhauseffekt. Verändert der Mensch das Klima? Globale Umweltveränderungen und ihre Wahrnehmung in der Gesellschaft. 11. Bremer Universitätsgespräch, 16-23.
85. N. Schneider, S. Venzke, A. J. Miller, D. Pierce, T. P. Barnett, C. Deser and **M. Latif** (1998): Coupling of Northern Mid-latitude and Equatorial Pacific via the Oceanic Thermocline? Max-Planck-Institut für Meteorologie, Report No. 273.

86. Timmermann, J. Oberhuber, A. Bacher, M. Esch, **M. Latif**, and E. Roeckner (1998): ENSO response to greenhouse warming. Max-Planck-Institut für Meteorologie, Report No. 251.
87. J. Oberhuber, E. Roeckner, M. Christoph, M. Esch, and **M. Latif** (1998): Predicting the '97 El Niño event with a global climate model. Max-Planck-Institut für Meteorologie, Report No. 254.
88. Grötzner, **M. Latif**, A. Timmermann, and R. Voss (1998): Interannual to decadal predictability in a coupled ocean-atmosphere general circulation model. Max-Planck-Institut für Meteorologie, Report No. 262.
89. S. Venzke, M. Münnich, and **M. Latif** (1998): On the predictability of decadal changes in the North Pacific. Max-Planck-Institut für Meteorologie, Report No. 267.
90. **M. Latif**, D. Dommenges, and M. Dima (1998): The role of Indian Ocean sea surface temperature in forcing east African climate anomalies. Max-Planck-Institut für Meteorologie, Report No. 276. A.W. Robertson, M. Ghil and **M. Latif** (1998): Decadal variability in North Atlantic Weather Regimes. ACCP Notes, May 1998, VOL. V, No. 1 (8 pp).
91. G. Hegerl, K. Hasselmann und **M. Latif** (1998): Natürliche Klimavariabilität und anthropogene Klimaänderung. In "Warnsignale aus der Klimaentwicklung" - Wissenschaftliche Fakten - Herausgeber: Lozan, Graßl, Hupfer und Sterr.
92. **M. Latif** und J. Meincke (1998): Veränderungen im Nordatlantik. In "Warnsignale aus der Klimaentwicklung" - Wissenschaftliche Fakten - Herausgeber: Lozan, Graßl, Hupfer und Sterr.
93. M. Münnich and **M. Latif** (1998): A new theory for tropical instability waves. Max-Planck-Institut für Meteorologie, Report No. 268.
94. Dommenges and **M. Latif** (1998): Interannual to decadal variability in the tropical Atlantic. Max-Planck-Institut für Meteorologie, Report No. 277.
95. **M. Latif** (1998): El Niños kühle Schwester. MPG Spiegel, 3/88, 20-23.
96. **M. Latif** (1998): El Niño/Southern Oscillation. Physikalische Blätter, 54, 525-528.
97. **M. Latif** (1998): El Niño/Southern Oscillation. In "Warnsignale aus der Klimaentwicklung" - Wissenschaftliche Fakten - Herausgeber: Lozan, Graßl, Hupfer und Sterr.
98. G. A. Meehl, G. J. Boer, C. Covey, **M. Latif**, and R. J. Stouffer (1997): Intercomparison makes a better climate model. EOS, 78, 445-446.
99. M. Münnich, **M. Latif**, S. Venzke, and E. Maier-Reimer (1997): Decadal oscillations in a simple coupled model. Max-Planck-Institut für Meteorologie, Report No. 225.
100. Venzke, S., **M. Latif**, and A. Villwock (1997): The coupled GCM ECHO-2. Part II: Indian Ocean Response to ENSO. Max-Planck-Institut für Meteorologie, Report No. 246.
101. **M. Latif** (1997): Dynamik der Wechselwirkung Atmosphäre-Ozean-Meereis. Mitteilungen der Deutschen Meteorologischen Gesellschaft, 4, 16-19.
102. **M. Latif**, A. Grötzner, A. Timmermann, S. Venzke, and T. P. Barnett (1996): Dynamics of decadal climate variability over the Northern Hemisphere. Proceedings of the JCESS/CLIVAR workshop on "Decadal Climate Variability", Columbia (Maryland), April 1996.
103. **M. Latif**, A. Grötzner, M. Muennich, E. Maier-Reimer, and T. P. Barnett (1996): A mechanism for decadal climate variability. Max-Planck-Institut für Meteorologie, Report No. 187.
104. Timmermann, **M. Latif**, R. Voss, and A. Grötzner (1996): North Atlantic interdecadal variability: A coupled air-sea mode. Max-Planck-Institut für Meteorologie, Report No. 223.

105. **M. Latif**, A. Grötzner, and H. Frey (1996): El Hermanito: El Niño's overlooked little brother in the Atlantic. Max-Planck-Institut für Meteorologie, Report No. 196.
106. **M. Latif**, A. Grötzner, and T. P. Barnett (1996): A mechanism for decadal variability. ACCP Notes, April 1996, VOL. III, No. 1 (14 pp).
107. Grötzner, **M. Latif**, and T. P. Barnett (1996): A decadal cycle in the North Atlantic as simulated by the ECHO coupled GCM. Max-Planck-Institut für Meteorologie, Report No. 208.
108. H. Frey, **M. Latif**, and T. Stockdale (1996): The coupled GCM ECHO-2. Part I: The tropical Pacific. Max-Planck-Institut für Meteorologie, Report No. 184.
109. Eckert and **M. Latif** (1996): Predictability of a stochastically forced hybrid coupled model of El Nino. Max-Planck-Institut für Meteorologie, Report No. 202.
110. **M. Latif** and T. P. Barnett (1996): Decadal climate variability over the North Pacific and North America: Dynamics and predictability. Max-Planck-Institut für Meteorologie, Report No. 194
111. **M. Latif** (1996): Dynamics of interdecadal variability in coupled ocean-atmosphere models. White paper prepared for the CLIVAR "Ocean Programme for DecCen climate variability" workshop, 28-31 October 1996, Villefranche-sur-mer, France.
112. M. Fischer and **M. Latif**, M. Flügel, M. Ji (1995): On the benefit of sea level assimilation in the tropical Pacific. Max-Planck-Institut für Meteorologie, Report No. 170.
113. S. Drijfhout, C. Heinze, **M. Latif**, and E. Maier-Reimer (1995): Mean circulation and internal variability in an ocean primitive equation model. Max-Planck-Institut für Meteorologie, Report No. 177.
114. **M. Latif**, R. Kleeman, and C. Eckert (1995): Greenhouse warming, decadal variability, or El Nino? An attempt to understand the anomalous 1990s. Max-Planck-Institut für Meteorologie, Report No. 175
115. J. Meincke und **M. Latif** (1995): Die Rolle des Ozeans im Klimasystem. Geogr. Rundschau, 47, 90-96.
116. **M. Latif** (1995): Ozonloch und Treibhauseffekt. Verändert der Mensch das Klima? Abwasserforum, 4, 6-11.
117. T. Stockdale, **M. Latif**, G. Burgers, J.-O. Wolff (1994): Some sensitivities of a coupled ocean-atmosphere GCM. Max-Planck-Institut für Meteorologie, Report No. 128.
118. M. Fischer, **M. Latif**, and J. Zou (1994): Assimilation of sea level data into a primitive equation model of the tropical Pacific. TOGA Notes, 15, 1-5.
119. **M. Latif** and J.D. Neelin (1994): El Niño/Southern Oscillation. Europhysics News, 25, 143-146. Also available from Max-Planck-Institut für Meteorologie, Report No. 129.
120. **M. Latif** and T.P. Barnett (1994): Causes of decadal climate variability over the North Pacific and North America. Max-Planck-Institut für Meteorologie, Report No. 141.
121. **M. Latif** and T.P. Barnett (1994): Interactions of the tropical oceans. Max-Planck-Institut für Meteorologie, Report No. 140.
122. **M. Latif**, A. Sterl, M. Assenbaum, M.M. Junge, E. Maier-Reimer (1993): Climate variability in a coupled GCM. Part II: The Indian Ocean and Monsoon. Max-Planck-Institut für Meteorologie, Report No. 104.
123. T.P. Barnett, **M. Latif**, N.E. Graham, and M. Flügel (1993): Modal structure of variations in the tropical climate system. Part II: Origins of the LF mode. Max-Planck-Institut für Meteorologie, Report No. 96.
124. **M. Latif**, T. Stockdale, J.-O. Wolff (1993): Climatology and variability in the ECHO coupled GCM. Max-Planck-Institut für Meteorologie, Report No. 114.
125. **M. Latif**, T.P. Barnett, and K. Mizuno (1993): Modal structure of variations in the tropical climate system. Part I: Observations. Max-Planck-Institut für Meteorologie, Report No. 91.

126. J. Zou and **M. Latif** (1993): Modes of ocean variability in the tropical Pacific as derived from Geosat altimetry. Max-Planck-Institut für Meteorologie, Report No. 103.
127. B. Grieger and **M. Latif** (1993): Reconstruction of the El Niño attractor with neural networks. Max-Planck-Institut für Meteorologie, Report No. 112.
128. R. Kleeman, **M. Latif**, and M. Flügel (1992): A hybrid coupled tropical atmosphere ocean model: Sensitivities and hindcast skill. Max-Planck-Institut für Meteorologie, Report No. 76.
129. N.E. Graham and **M. Latif** (1992): Considerations of the predictability of ENSO with a low-order coupled model. TOGA Notes, 7, 1992.
130. S. Bakan, A. Chlond, U. Cubasch, J. Feichter, H. Graf, H. Graßl, K. Hasselmann, I. Kirchner, **M. Latif**, E. Roeckner, R. Sausen, U. Schlese, D. Schriever, I. Schult, U. Schumann, F. Sielmann, W. Welke (1991): Auswirkungen von Ölbränden in Kuwait auf das Globalklima. Ein Bericht über die Hamburger Experimente. Meteorologisches Institut der Universität Hamburg und Max-Planck-Institut für Meteorologie, Bundesstr. 55, 20146 Hamburg.
131. T.P. Barnett, L. Dümenil, U. Schlese, E. Roeckner, and **M. Latif** (1991): The Asian snow cover - monsoon - ENSO connection. In: "Teleconnections Linking Worldwide Climate Anomalies". (Eds.) M.H. Glantz, R.W. Katz, and N. Nicholls, Cambridge University Press.
132. **M. Latif**, A. Sterl, E. Maier-Reimer, and M.M. Junge (1991): Climate variability in a coupled general circulation model. Part I: The tropical Pacific. Max-Planck-Institut für Meteorologie, Report No. 73.
133. **M. Latif**, A. Sterl, and E. Maier-Reimer (1991): On the space-time structure of ENSO. In: "Strategies for Future Climate Research". Also available from Max-Planck-Institut für Meteorologie, Report No. 74.
134. **M. Latif** and N.E. Graham (1991): How much predictive skill is contained in the thermal structure of an OGCM? TOGA Notes. Also available from Max-Planck-Institut für Meteorologie, Report No. 63.
135. **M. Latif** (Editor) (1991): Strategies for Future Climate Research. Available from Max-Planck-Institut für Meteorologie.
136. **M. Latif**, U. Cubasch, U. Mikolajewicz und B.D. Santer (1990): Simulation des Treibhauseffekts mit 3-D Klimamodellen. Supercomputer 90, Springer Verlag, Heidelberg.
137. T.P. Barnett, **M. Latif**, and E. Kirk (1990): ENSO: Slow Physics. International TOGA Scientific Conference Proceedings. Honolulu, Hawaii, 16-20 July, 1990, WCRP-43, WMO/TD-No. 379.
138. H. von Storch, **M. Latif** and J. Biercamp (1989): Simulation of the Southern Oscillation in an atmospheric GCM. Phil. Trans. R. Soc., London, A., 329, 179-188.
139. A. Villwock and **M. Latif** (1989): Sensitivity studies with a simplified coupled ocean-atmosphere model. Research activities in atmospheric and oceanic modelling. WMO/TDD-No. 332.
140. A. Sterl and **M. Latif** (1989): ENSO studies using a coupled ocean-atmosphere GCM. Research activities in atmospheric and oceanic modelling. WMO/TD-No. 332.
141. **M. Latif** and A. Villwock (1989): Interannual variability as simulated in coupled ocean-atmosphere models. Max-Planck-Institut für Meteorologie, Report No. 40.
142. **M. Latif** and R.A. Madden (1989): Simulation of the 30-60 day wave in the equatorial Pacific. Research activities in atmospheric and oceanic modelling. WMO/TD-No. 332.
143. H. von Storch, **M. Latif**, J. Biercamp, M. McPhaden, and E. Kirk (1988): Simulating the Southern Oscillation. Meteorologisches Institut der Universität Hamburg, Large Scale Modelling Report No. 4.

144. **M. Latif**, J. Biercamp, H. von Storch, M. McPhaden, and E. Kirk (1988): Analyses of tropical anomalies simulated by an AGCM. Max-Planck-Institut für Meteorologie, Report No. 27.
145. **M. Latif**, J. Biercamp, H. von Storch, and F.W. Zwiers (1988): A ten year climate simulation with a coupled ocean-atmosphere general circulation model. Max-Planck-Institut für Meteorologie, Report No. 21.
146. **M. Latif** (1988): ENSO modelling at MPI. Max-Planck-Institut für Meteorologie, Report No. 22 and in: Climate-Ocean-Interaction, M.E. Schlesinger (Ed.), Kluwer Academic Publishers, Dordrecht, The Netherlands.
147. **M. Latif** (1988): Wechselwirkung Ozean-Atmosphäre in den Tropen. PROMET, 1/2/3, '88.
148. **M. Latif**, J. Biercamp, and H. von Storch (1987): The response of a coupled ocean-atmosphere general circulation model to wind bursts. Max-Planck-Institut für Meteorologie, Report No. 6.
149. **M. Latif**, J. Biercamp (1987): A ten year simulation with a coupled ocean-atmosphere general circulation model. Research activities in atmospheric and oceanic modelling. G.J. Boer (Ed.). Report No. 10, WMO/TD-No. 200.
150. D. Hedrich and **M. Latif** (1987): The response of the equatorial Pacific to wind bursts. Research activities in atmospheric and oceanic modelling. G.J. Boer (Ed.). Report No. 10, WMO/TD-No. 200.
151. J. Biercamp, **M. Latif**, H. von Storch, and P.B. Wright (1986): Preparational studies for coupling an oceanic and an atmospheric GCM. Research activities in atmospheric and oceanic modelling. G.J. Boer (Ed.). Report No. 9, WMO/TD, No. 141.
152. **M. Latif** (1986): El Niño - eine Klimaschwankung wird erforscht. Geogr. Rundsch., 38, H. 2.
153. **M. Latif** (1986): Sensitivity of an OGCM to wind forcing. Report on the Model Intercomparison Workshop, Boulder, Dec. 7-9, 1985, WMO/TD 138, WCP 121.
154. **M. Latif** (1985): Regional response differences in tropical ocean circulation experiments. Research activities in atmospheric and oceanic modelling. G.J. Boer (Ed.). Report No. 8, WMO/TD- No. 63.
155. **M. Latif** (1984): A primitive equation model for the equatorial Pacific Ocean. Ocean Modelling, 55, 1-3.