

**10-Oct-17**

**Begutachtete Publikationen (refereed publications):**

**2017**

206. S. Steinig, J. Harlaß, W. Park, and **M. Latif** (2017): Enhanced Sahel rainfall and predictability of its onset due to improved Atlantic cold tongue development in a climate model. *Nature Geoscience*, submitted.
205. X. Zhang, J. Chen, F. Chen, B. Schneider, W. Park, and **M. Latif** (2017): Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison. *Quaternary Science Reviews*, submitted.
204. S. Haase, K. Matthes, N. Omrani, and **M. Latif** (2017): The Importance of a Properly Represented Stratosphere for Northern Hemisphere Surface Variability in the Atmosphere and the Ocean. *J. Climate*, submitted.
203. S. Flögel, T. Wagner, S. Steinig, W. Park, J.O. Herrle, L. Handley, A. McAnena, H. Talbot, **M. Latif**, and P. Hofmann (2017): Decoupling of Cretaceous tropical ocean temperature and atmospheric carbon dioxide concentration. *Nature Scientific Reports*, submitted.
202. L. Jin, X. Zhang, J. Chen, F. Chen, B. Schneider, W. Park, and **M. Latif** (2017): Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison. *Quat. Sci. Rev.*, submitted.
201. M.H. Bordbar, M.H. England, A. Sen Gupta, A. Santoso, A. Taschetto, T. Martin, W. Park, **M. Latif** (2017): Uncertainty in near-term global surface warming linked to Pacific trade wind variability. *Nature Communications*, submitted.
200. C. Wengel, **M. Latif**, W. Park, J. Harlaß, and T. Bayr (2017): Equatorial Pacific sea surface temperature annual cycle simulation benefits from alleviating zonal wind and cloud cover biases. *Climate Dynamics*, submitted.
199. **M. Latif**, T. Park, and W. Park (2017): Cause of Recent Decadal Atlantic Meridional Overturning Circulation Slowing and North Atlantic Surface Cooling. *Nature Communications*, in revision.
198. T. Bayr, **M. Latif**, D. Dommenges, C. Wengel, J. Harlaß, and W. Park (2017): Walker Circulation Position controls Ocean-Atmosphere Coupling in El Niño/Southern Oscillation. *Nature Scientific Reports*, in revision.
197. 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.*, accepted, DOI: 10.1002/2017GL074835.
196. 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.
195. M. Krebs, A. Biastoch, J.V. Durgadoo, C.W. Böning, and **M. Latif** (2017): Understanding Benguela Upwelling System Warm Sea Surface Temperature Bias in a Forced Ocean Model. *Ocean Modelling*, in revision.
194. **M. Latif**, To. 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**, To. 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. *Nature Scientific Reports*, under revision.
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*, in press.
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. *Nature 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 21<sup>st</sup> 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/](http://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. Jungclaus (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 21<sup>st</sup> 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. Löptien, 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. Wetzel, 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 21<sup>st</sup> 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. Jungclauss, **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-tired 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 Kühlschranks 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): Klimawandel: Wo stehen wir nach Paris? Aus der Zukunft lernen. Unsere Welt 2030. Edition BMZ, 60-73.
2. 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.
3. **M. Latif** (2016): Bringen wir das Klima aus dem Takt. Hintergründe und Prognosen. Mut zur Nachhaltigkeit. Klaus Wiegandt (Hrsg.). S. Fischer Verlag, 80-112.
4. **M. Latif** (2016): Treibhauseffekt, Wetter, Klima, Klimawandel. Erkenntnis, Wissenschaft und Gesellschaft. Wie Forschung Wissen schafft. Wilfried Buchmüller und Cord Jacob (Hrsg.). Springer, 137-150.
5. **M. Latif** (2016): Vom Umgang mit der Unsicherheit. Unter 2 Grad? Jörg Sommer und Michael Müller (Hrsg.). Hirzel Verlag, 122-131.
6. **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.
7. **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.
8. **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.
9. **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.
10. **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
11. **M. Latif** (2014): Modell. NETZ. Vom Sippnen in der Kunst. Kunsthalle zu Kiel. Kerber Verlag, 74-75.
12. **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, 2<sup>nd</sup> Ed. A 21<sup>st</sup> century perspective, Academic Press, 2013. International Geophysics Series, Volume 103, ISBN: 9780123918512.
13. **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.
14. **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.
15. **M. Latif** (2012): Nach uns die Sintflut? Klimawandel-Wetterwandel-Lebenswandel. Kirche schützt Klima. fenestra-verlag, 41-49.
16. **M. Latif** (2011): Herausforderung globaler Klimawandel. Wissenschaft für nachhaltige Entwicklung! Multiperspektivische Beiträge zu einer verantwortungsbewussten Wissenschaft. Metropolis-Verlag, Marburg, 427-441.

17. **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. Leibold, D. Mangalagiu, and J. Tabara (Eds.). Earthscan, UK, 17-34.
18. **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.
19. **M. Latif** (2011): Die Wissenschaft klärt auf: Warum ist der Himmel blau? Das Hängemattenbuch. Geschichten zum Abschalten. Herder Verlag, 40-46.
20. **M. Latif** (2011): Das Geheimnis des Regenbogens. Leben 2011. Herder Verlag, 178-185.
21. 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.
22. 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.
23. **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.
24. **M. Latif** (2009): Warten auf den Umwelt-Gorbi. Energie Zukunft. Jürgen Petermann (Hrsg.). Viessmann Werke, 40-47.
25. **M. Latif** (2008): Wird es auf der Erde immer warmer? Aula. Wissenschaft für neugierige Kinder. Ralf Caspary (Hrsg.). Boje Verlag, 96-107.
26. **M. Latif** (2007): Wie stark ist der anthropogene Klimawandel? Der UN-Weltklima-report. M. Müller, U. Fuentes und H. Kohl (Hrsg.). KiWi, 186-189.
27. **M. Latif** (2007): Bringen wir das Klima aus dem Takt? In: Global Compact Deutschland 2006 (Jahrbuch), Mediengruppe macondo (Hrsg.), Münster, Germany, 8-11.
28. **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.
29. **M. Latif** (2006): Die Wüste ist überall. Die globale Klimaerwärmung und die Folgen. In „Glanzlichter der Wissenschaft“. Lucius, 71-84.
30. **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.
31. **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.
32. **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.
33. **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.
34. **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

35. **M. Latif** (2005): Die Klimaproblematik. In "Klimapolitik in einer erweiterten Europäischen Union. Chemnitzer Studien, Band 7, Shaker Verlag, 15-25.
36. **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.
37. **M. Latif** (2004): Klimaänderung und El Niño. In "Wetterkatastrophen und Klimawandel - sind wir noch zu retten?" Münchener Rückversicherungs-Gesellschaft, 42-49.
38. **M. Latif** (2004): Der globale Klimawandel. In "Gletscher im Treibhaus". W. Zängl und S. Hamberger, Tecklenborg Verlag, 220-225.
39. 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.
40. **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.
41. **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.
42. **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.
43. **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.
44. **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. 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.
2. 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.
3. **M. Latif** (2016): WIR SIND SPÄT DRAN. positionen, DAS MAGAZIN DER DEUTSCHEN VERSICHERER, 3\_2016,46.
4. **M. Latif** (2016): APRÈS PARIS: NUR LIPPENBEKENNTNISSE? TEIL 4 DER SERIE: DIE KONSEQUENZEN DER KLIMAKONFERENZ VON PARIS. Sonnenenergie, 4, 26-33.
5. **M. Latif** (2016): Wasser und Klimawandel. ÜberLebensMittel Wasser – wie wir mit unserer elementaren Ressource umgehen (sollten). MISERIOR, KEB EUTSCHLAND, STIFTUNG ZASS (Hg.), 10-13.
6. **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.
7. **M. Latif** (2016): Editorial. innovation & energie, 3, 1/2016.
8. **M. Latif** (2015): Klimawandel, Forschung, Medien. Deutschlandradio, 14, 11/2015.
9. **M. Latif** (2015): Plastikmüll im Meer. Alnatura Magazin, 07, 2015.
10. **M. Latif** (2015): Versager unter sich. KulturAustausch, 1/2015, 22-23.



11. 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.
12. **M. Latif** (2014): Wir haben kein Erkenntnisproblem, sondern ein Umsetzungsproblem. mobil. Das Magazin der Deutschen Bahn, 11, 32-34.
13. **M. Latif** (2013): Kalte Winter und die globale Erwärmung. *green*, 02/13, 22-24.
14. **M. Latif** (2012): Klimawandel - Fakt oder Fiktion? 33. Duisburger Kolloquium Schiffstechnik/Meerestechnik. Das Schiff nach dem Öl. Band 33, 63-65. Universität Duisburg-Essen
15. **M. Latif** (2012): Nach uns die Sintflut – droht uns der Klimakollaps? IDA MAGAZIN, 1, 42-43.
16. **M. Latif** (2012): Nach uns die Sintflut? Energiezukunft, Heft 12, Sommer 2012, 18-19.
17. **M. Latif** (2012): Globale Erwärmung. Naturwissenschaften im Unterricht Chemie. Heft 129, 23, 3/12, 2-7.
18. **M. Latif** (2012): Die Zeit drängt. Trendbook Umwelttechnologien 2012/2013. Deutscher Fachverlag GmbH. Entsorga-Magazin, 12-15.
19. **M. Latif** (2012): Kohlendioxid – der Stoff, aus dem die globale Erwärmung ist. Wirtschaft&Wissenschaft, Heft 1/2012, 44-47.
20. **M. Latif** (2012): Noch ist unser Klima zu retten. *BoschZünder*, 1, 2012, 18.
21. **M. Latif** (2012): Klimawandel in Schleswig-Holstein. *Lebensart*, 02, 14-15.
22. **M. Latif** (2011): Kohlendioxid – der Stoff, aus dem die globale Erwärmung ist. SINNSTIFTER 2011. Stifterverband für die Deutsche Wissenschaft e. V., Essen, 18-31.
23. **M. Latif** (2011): Der Ozean am Scheideweg: Wo wollen wir hin? Exzellenzcluster „Ozean der Zukunft“. Universität Kiel, 16-21.
24. **M. Latif** (2011): Warum viele offizielle Statistiken über den Ausstoß von Klimagas die Tatsachen auf den Kopf stellen. *GEO*, 11, 134-135.
25. **M. Latif** (2011): Strategie für ein Leben im Klimawandel. *CHAN<sup>C</sup>/GE*, 2, 8-9.
26. **M. Latif** (2011): Katastrophen allenthalben und was wir daraus lernen können. *SIV.NEWS*, 3, 22-23.
27. **M. Latif** (2011): Was das Meer erzählt. *Gesund durch Homöopathie*, 1, 18-19.
28. **M. Latif** (2011): Die Energiesysteme der Zukunft. *Schindler Magazin*, 6-7.
29. **M. Latif** (2011): Klimawandel: eine Frage der internationalen Gerechtigkeit. *UNESCO heute*, 2, 20-22.
30. **M. Latif** (2010): Die Zeit drängt. *chemie&more*, 4, 26-29.
31. **M. Latif** (2010): Klimawandel: Fakt oder Fiktion? *Deutsche Bauern Korrespondenz*, 5, 6.
32. **M. Latif** (2010): The world's oceans, global climate drivers. *World Ocean Review*. Maribus, Hamburg, pp. 8-25. ISBN 978-3-86648-012-4.
33. **M. Latif** (2010): Die Weltmeere, Motor des globalen Klimas. *World Ocean Review 2010*. Maribus, Hamburg, pp. 8-25. ISBN 978-3-86648-000-1.
34. **M. Latif** (2010): Die Herausforderung globaler Klimawandel. *Perspektiven der Wirtschaftspolitik*, Band 11 (Sonderheft), 4-12.
35. **M. Latif** (2010): Klimawandel: Fakt oder Fiktion? *Deutsche Bauern Korrespondenz*, 5/10, S. 6.
36. **M. Latif** (2010): Klimaforschung unter Beschuss. *Universitas*, 65, 766, 334-339.
37. 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.
38. **M. Latif** (2009): Herausforderung globaler Klimawandel. MUZ, 3, 4-5.
  39. **M. Latif** (2009): Klimawandel. Praxis Geographie, 3, 6-8.
  40. 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.
  41. W.A. Müller, C. Appenzeller, and **M. Latif** (2008): NAO and predictability. PROMET, 34 (3/4), 130-137.
  42. 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.
  43. **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.
  44. **M. Latif** (2007): Der globale Klimawandel und seine Folgen. In „Umdenken. Für eine nachhaltige Klimapolitik. Junge Union Deutschlands.“ Philipp Mißfelder (Hrsg.). Weiss Verlag.
  45. **M. Latif** (2007): Klimawandel - eine unbequeme Wahrheit? In „Umwelt und Zukunft. Prominente antworten“. Tanja Gönner (Hrsg.). Umweltministerium Baden-Württemberg, 56-57.
  46. **M. Latif** (2007): Der Mensch bringt das Klima aus dem Takt. factorY, 2, 8-9.
  47. **M. Latif** (2007): Verändert der Mensch das Klima? Forschung&Lehre, 2, 68-70.
  48. **M. Latif** (2007): Globale und langfristige Strategie gegen den Klimawandel erforderlich. EurUP, 5, 267-270.
  49. **M. Latif** (2006): Das El Niño/Southern Oscillation Phänomen. PROMET, 32, Nr. 3/4, 123-129.
  50. **M. Latif** (2006): Verändert sich der Golfstrom? Gerät die Warmwasserheizung Europas wirklich ins Stottern? Wettermagazin, 07/2006, 54-58.
  51. **M. Latif** (2006): Der menschliche Einfluss auf das Klima. Aus Politik und Zeitgeschichte (APuZ), 13, 26-31.
  52. **M. Latif** (2005): Verändert der Mensch das Klima? Forst und Holz, 11, 443-446.
  53. **M. Latif** (2005): Verändert der Mensch das Klima? Die Frage stellt sich nicht mehr. UWSF - Zeitschrift für Umweltchemie und Ökotoxikologie, 17 (4), 193-196.
  54. **M. Latif** (2005): Verändert der Mensch das Klima? Der Mathematische und Naturwissenschaftliche Unterricht (MNU), 58, 282-286.
  55. **M. Latif** (2004): Der globale Klimawandel. Pellets, 04/04, 10-13.
  56. **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.
  57. 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.
  58. 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.
  59. J. Bader and **M. Latif** (2003): The role of tropical SST in forcing Sahelian rainfall variations. CLIVAR Exchanges, 27, 17-18.
  60. **M. Latif** (2003): Jahreszeitenvorhersage. PROMET, 1-4, 72-79.
  61. **M. Latif** (2003): Die Klimaproblematik. Umwelt, Medizin, Gesellschaft, 1, 9-12.

62. **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.
63. **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.
64. 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.
65. **M. Latif** (2002): Der Klimawandel kommt in Fluss. Max Planck Forschung, 4, 19-22.
66. 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.
67. 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.
68. A. Baquero and **M. Latif** (2001): On dipole-like variability in the tropical Indian Ocean. Max-Planck-Institut für Meteorologie, Report No. 326.
69. **M. Latif** (2001): Tropical Pacific influences on the North Atlantic thermohaline circulation. Proceedings of the Hanse Conference, Bremen, February 2001.
70. **M. Latif** (2001): Rio, Kioto, Den Haag und nun? Phys. Blätter, 57, 2, 3-3.
71. **M. Latif** (2001): On North Pacific climate variability. Max-Planck-Institut für Meteorologie, Report No. 318.
72. **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.
73. S. Schöttle and **M. Latif** (2000): Assimilation of TOPEX/POSEIDON data improves ENSO hindcast skill. CLIVAR Exchanges, 5, 8-10.
74. D. Dommenges and **M. Latif** (2000): Generation of SST anomalies in the midlatitudes. Max-Planck-Institut für Meteorologie, Report No. 304.
75. Dommenges and **M. Latif** (2000): A cautionary note on the interpretation of EOFs. Max-Planck-Institut für Meteorologie, Report No. 309.
76. **M. Latif** (2000): Saisonale und dekadische Klimavariabilität und -vorhersage. Klimawirkungsforschung auf dem Prüfstand. Schriften des Forschungszentrum Jülich, 25, 33-54.
77. **M. Latif** (2000): On the interpretation of climate change in the tropical Pacific. Max-Planck-Institut für Meteorologie, Report No. 306.
78. **M. Latif** (2000): Tropical Pacific/Atlantic Ocean interactions at multi-decadal time scales. Max-Planck-Institut für Meteorologie, Report No. 305.
79. **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.
80. 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.
81. **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.

82. **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.
83. **M. Latif** (1999): Ozonloch und Treibhauseffekt. Verändert der Mensch das Klima? Globale Umweltveränderungen und ihre Wahrnehmung in der Gesellschaft. 11. Bremer Universitätsgespräch, 16-23.
84. 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.
85. 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.
86. 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.
87. 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.
88. 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.
89. **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).
90. 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.
91. **M. Latif** und J. Meincke (1998): Veränderungen im Nordatlantik. In "Warnsignale aus der Klimaentwicklung" - Wissenschaftliche Fakten - Herausgeber: Lozan, Graßl, Hupfer und Sterr.
92. M. Münnich and **M. Latif** (1998): A new theory for tropical instability waves. Max-Planck-Institut für Meteorologie, Report No. 268.
93. Dommenges and **M. Latif** (1998): Interannual to decadal variability in the tropical Atlantic. Max-Planck-Institut für Meteorologie, Report No. 277.
94. **M. Latif** (1998): El Niños kühle Schwester. MPG Spiegel, 3/88, 20-23.
95. **M. Latif** (1998): El Niño/Southern Oscillation. Physikalische Blätter, 54, 525-528.
96. **M. Latif** (1998): El Niño/Southern Oscillation. In "Warnsignale aus der Klimaentwicklung" - Wissenschaftliche Fakten - Herausgeber: Lozan, Graßl, Hupfer und Sterr.
97. 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.
98. 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.
99. 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.
100. **M. Latif** (1997): Dynamik der Wechselwirkung Atmosphäre-Ozean-Meereis. Mitteilungen der Deutschen Meteorologischen Gesellschaft, 4, 16-19.
101. **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.
102. **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.
  103. 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.
  104. **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.
  105. **M. Latif**, A. Grötzner, and T. P. Barnett (1996): A mechanism for decadal variability. ACCP Notes, April 1996, VOL. III, No. 1 (14 pp).
  106. 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.
  107. 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.
  108. Eckert and **M. Latif** (1996): Predictability of a stochastically forced hybrid coupled model of El Nino. Max-Planck-Institut für Meteorologie, Report No. 202.
  109. **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
  110. **M. Latif** (1996): Dynamics of interdecadal variability in coupled ocean-atmosphere models. White paper prepared for the CLIVAR "Ocean Programme for DecGen climate variability" workshop, 28-31 October 1996, Villefranche-sur-mer, France.
  111. 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.
  112. 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.
  113. **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
  114. J. Meincke und **M. Latif** (1995): Die Rolle des Ozeans im Klimasystem. Geogr. Rundschau, 47, 90-96.
  115. **M. Latif** (1995): Ozonloch und Treibhauseffekt. Verändert der Mensch das Klima? Abwasserforum, 4, 6-11.
  116. 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.
  117. 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.
  118. **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.
  119. **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.
  120. **M. Latif** and T.P. Barnett (1994): Interactions of the tropical oceans. Max-Planck-Institut für Meteorologie, Report No. 140.
  121. **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.

122. 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.
123. **M. Latif**, T. Stockdale, J.-O. Wolff (1993): Climatology and variability in the ECHO coupled GCM. Max-Planck-Institut für Meteorologie, Report No. 114.
124. **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.
125. 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.
126. B. Grieger and **M. Latif** (1993): Reconstruction of the El Niño attractor with neural networks. Max-Planck-Institut für Meteorologie, Report No. 112.
127. 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.
128. N.E. Graham and **M. Latif** (1992): Considerations of the predictability of ENSO with a low-order coupled model. TOGA Notes, 7, 1992.
129. 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.
130. 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.
131. **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.
132. **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.
133. **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.
134. **M. Latif** (Editor) (1991): Strategies for Future Climate Research. Available from Max-Planck-Institut für Meteorologie.
135. **M. Latif**, U. Cubasch, U. Mikolajewicz und B.D. Santer (1990): Simulation des Treibhauseffekts mit 3-D Klimamodellen. Supercomputer 90, Springer Verlag, Heidelberg.
136. 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.
137. 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.
138. 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.
139. 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.

140. **M. Latif** and A. Villwock (1989): Interannual variability as simulated in coupled ocean-atmosphere models. Max-Planck-Institut für Meteorologie, Report No. 40.
141. **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.
142. 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.
143. **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.
144. **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.
145. **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.
146. **M. Latif** (1988): Wechselwirkung Ozean-Atmosphäre in den Tropen. PROMET, 1/2/3, '88.
147. **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.
148. **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.
149. 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.
150. 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.
151. **M. Latif** (1986): El Niño - eine Klimaschwankung wird erforscht. Geogr. Rundsch., 38, H. 2.
152. **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.
153. **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.
154. **M. Latif** (1984): A primitive equation model for the equatorial Pacific Ocean. Ocean Modelling, 55, 1-3.