

25-Jul-17

Begutachtete Publikationen (refereed publications):

2017

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. To be 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. *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.*, in revision.
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. *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*, under revision.
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>.

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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.
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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.

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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. Segschneider, 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.

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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.
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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.

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