

12-Oct-18

Begutachtete Publikationen (refereed publications):

2018

212. X. Li, M.H. Bordbar, **M. Latif**, W. Park, and J. Harlaß (2018): Monthly to Seasonal Prediction of Tropical Atlantic Sea Surface Temperature with Statistical Models constructed from Observations and Data from the Kiel Climate Model. *Climate Dynamics*, submitted.
211. To. Martin, A. Reintges, and **M. Latif** (2018): North Atlantic Sub-decadal Variability in CMIP5 Models, *J. Geophys. Res. Oceans*, submitted.
210. **M. Latif**, T. Park, and W. Park (2018): Decadal Atlantic Meridional Overturning Circulation Slowing Events in a Climate Model. *Climate Dynamics*, submitted.
209. 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.
208. 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.
207. T. Bayr, C. Wengel, **M. Latif**, D. Dommenges, J. Lübbecke, and W. Park (2018): Error Compensation of ENSO Atmospheric Feedbacks in Climate Models and its Influence on Simulated ENSO Dynamics. *Climate Dynamics*, in revision.
206. 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.
205. 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*, doi.org/10.1175/JCLI-D-17-0520.1.
204. X. Zhang, 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*, DOI: 10.1016/j.gloplacha.2018.08.018.
203. 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.*, DOI: 10.1029/2018GL079337.
202. W. Park and **M. Latif** (2018): Ensemble Global Warming Simulations with Idealized Antarctic Meltwater. *Climate Dynamics*, DOI:10.1007/s00382-018-4319-8.
201. Z. Song, **M. Latif**, W. Park, and Y. Zhang (2018): Influence of model bias on simulating North Atlantic sea surface temperature during the mid-Pliocene. *Paleocenography*, DOI: 10.1029/2018PA003397.
200. 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.
199. C. Wengel, **M. Latif**, W. Park, J. Harlaß, and T. Bayr (2018): Eastern equatorial Pacific sea surface temperature annual cycle in the Kiel climate model: simulation benefits from enhancing atmospheric resolution. *Climate Dynamics*, 10.1007/s00382-018-4233-0.
198. 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.

197. T. Bayr, **M. Latif**, D. Dommenges, C. Wengel, J. Harlaß, and W. Park (2018): Mean-State Dependence of ENSO Atmospheric Feedbacks in Climate Models. *Climate Dynamics*, DOI 10.1007/s00382-017-3799-2.

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196. X. Zhang, L. Jin, J. Chen, F. Chen, W. Park, B. Schneider, 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*, 36-50, doi.org/10.1016/j.quascirev.2017.09.012.
195. 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.
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*, doi: 10.1038/s41598-017-14352-6.
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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>.

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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.
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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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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.
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