# Malte Fabian Stuecker

List of Publications by Year
in descending order



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|---|---|---|---|
| 76 papers | 4,956 citations | 117625 34 h-index | 98798 67 g-index |
| 87 all docs | 87 docs citations | 87 times ranked | 4179 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Distinct impacts of major El NiÃ±o events on Arctic temperatures due to differences in eastern tropical Pacific sea surface temperatures. Science Advances, 2022, 8, eabl8278. | 10.3 | 7 |
| 2 | Distinct Surface Warming Response Over the Western and Eastern Equatorial Pacific to Radiative Forcing. Geophysical Research Letters, 2022, 49, . | 4.0 | 9 |
| 3 | Extreme Indian Ocean dipole events associated with El NiÃ±o and Maddenâ€“Julian oscillation. Climate Dynamics, 2022, 59, 1953-1968. | 3.8 | 8 |
| 4 | Atmospheric Forcing of the Pacific Meridional Mode: Tropical Pacificâ€Driven Versus Internal Variability. Geophysical Research Letters, 2022, 49, . | 4.0 | 10 |
| 5 | Antarctic sea-ice expansion and Southern Ocean cooling linked to tropical variability. Nature Climate Change, 2022, 12, 461-468. | 18.8 | 15 |
| 6 | Record Low Arctic Sea Ice Extent in 2012 Linked to Twoâ€Year La NiÃ±aâ€Driven Sea Surface Temperature Pattern. Geophysical Research Letters, 2022, 49, . | 4.0 | 4 |
| 7 | Equatorial Origin of the Observed Tropical Pacific Quasiâ€Decadal Variability From ENSO Nonlinearity. Geophysical Research Letters, 2022, 49, . | 4.0 | 5 |
| 8 | Robust Anthropogenic Signal Identified in the Seasonal Cycle of Tropospheric Temperature. Journal of Climate, 2022, 35, 6075-6100. | 3.2 | 6 |
| 9 | Coldâ€Season Arctic Amplification Driven by Arctic Oceanâ€Mediated Seasonal Energy Transfer. Earth's Future, 2021, 9, e2020EF001898. | 6.3 | 30 |
| 10 | Synchronized spatial shifts of Hadley and Walker circulations. Earth System Dynamics, 2021, 12, 121-132. | 7.1 | 13 |
| 11 | Exceptionally Persistent Maddenâ€Julian Oscillation Activity Contributes to the Extreme 2020 East Asian Summer Monsoon Rainfall. Geophysical Research Letters, 2021, 48, e2020GL091588. | 4.0 | 38 |
| 12 | Increasing ENSOâ€“rainfall variability due to changes in future tropical temperatureâ€“rainfall relationship. Communications Earth & Environment, 2021, 2, . | 6.8 | 58 |
| 13 | Comments on â€œThe Financial Dilemma of Students Pursuing an Atmospheric Science Graduate Degree in the United Statesâ€. Bulletin of the American Meteorological Society, 2021, 102, 323-324. | 3.3 | 1 |
| 14 | Spurious North Tropical Atlantic precursors to El NiÃ±o. Nature Communications, 2021, 12, 3096. | 12.8 | 33 |
| 15 | Tropical Indo-Pacific SST influences on vegetation variability in eastern Africa. Scientific Reports, 2021, 11, 10462. | 3.3 | 7 |
| 16 | Evolution of the Tropical Response to Periodic Extratropical Thermal Forcing. Journal of Climate, 2021, , 1-53. | 3.2 | 2 |
| 17 | New insights into future tropical climate change. Nature Climate Change, 2021, 11, 645-646. | 18.8 | 2 |
| 18 | Recordâ€Low WNP Tropical Cyclone Activity in Early Summer 2020 due to Indian Ocean Warming and Maddenâ€Julian Oscillation Activity. Geophysical Research Letters, 2021, 48, e2021GL094578. | 4.0 | 8 |

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|---|---|---|---|
| 19 | Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644. | 29.7 | 197 |
| 20 | Future high-resolution El NiÃ±o/Southern Oscillation dynamics. Nature Climate Change, 2021, 11, 758-765. | 18.8 | 58 |
| 21 | El NiÃ±o Pacing Orchestrates Interâ€Basin Pacificâ€Indian Ocean Interannual Connections. Geophysical Research Letters, 2021, 48, e2021GL095242. | 4.0 | 6 |
| 22 | Modulation of ocean acidification by decadal climate variability in the Gulf of Alaska. Communications Earth & Environment, 2021, 2, . | 6.8 | 16 |
| 23 | Understanding Lead Times of Warmâ€Waterâ€Volumes to ENSO Sea Surface Temperature Anomalies. Geophysical Research Letters, 2021, 48, e2021GL094366. | 4.0 | 7 |
| 24 | Tropical Indoâ€Pacific Compounding Thermal Conditions Drive the 2019 Australian Extreme Drought. Geophysical Research Letters, 2021, 48, e2020GL090323. | 4.0 | 18 |
| 25 | Meridional migration of ENSO impact on tropical Atlantic precipitation controlled by the seasonal cycle. Geophysical Research Letters, 2021, 48, e2021GL096365. | 4.0 | 1 |
| 26 | Ubiquity of human-induced changes in climate variability. Earth System Dynamics, 2021, 12, 1393-1411. | 7.1 | 131 |
| 27 | Dynamics for El NiÃ±o-La NiÃ±a asymmetry constrain equatorial-Pacific warming pattern. Nature Communications, 2020, 11, 4230. | 12.8 | 40 |
| 28 | Reduced tropical cyclone densities and ocean effects due to anthropogenic greenhouse warming. Science Advances, 2020, 6, . | 10.3 | 48 |
| 29 | Walker circulation response to extratropical radiative forcing. Science Advances, 2020, 6, . | 10.3 | 51 |
| 30 | Modulation of the Relationship between ENSO and Its Combination Mode by the Atlantic Multidecadal Oscillation. Journal of Climate, 2020, 33, 4679-4695. | 3.2 | 21 |
| 31 | A robust relationship between multidecadal global warming rate variations and the Atlantic Multidecadal Variability. Climate Dynamics, 2020, 55, 1945-1959. | 3.8 | 7 |
| 32 | Strong remote control of future equatorial warming by off-equatorial forcing. Nature Climate Change, 2020, 10, 124-129. | 18.8 | 32 |
| 33 | Improved Predictability of the Indian Ocean Dipole Using a Stochastic Dynamical Model Compared to the North American Multimodel Ensemble Forecast. Weather and Forecasting, 2020, 35, 379-399. | 1.4 | 10 |
| 34 | Two Aspects of Decadal ENSO Variability Modulating the Longâ€Term Global Carbon Cycle. Geophysical Research Letters, 2020, 47, e2019GL086390. | 4.0 | 10 |
| 35 | New Generation of Climate Models Track Recent Unprecedented Changes in Earth's Radiation Budget Observed by CERES. Geophysical Research Letters, 2020, 47, e2019GL086705. | 4.0 | 39 |
| 36 | Decadal Change of Combination Mode Spatiotemporal Characteristics due to an ENSO Regime Shift. Journal of Climate, 2020, 33, 5239-5251. | 3.2 | 7 |

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|---|---|---|---|
| 37 | Improved Predictability of the Indian Ocean Dipole Using Seasonally Modulated ENSO Forcing Forecasts. Geophysical Research Letters, 2019, 46, 9980-9990. | 4.0 | 39 |
| 38 | Impacts of Central Pacific El NiÃ±o on Southern China Spring Precipitation Controlled by its Longitudinal Position. Journal of Climate, 2019, 32, 7823-7836. | 3.2 | 27 |
| 39 | Pacific Meridional Modeâ€Western North Pacific Tropical Cyclone Linkage Explained by Tropical Pacific Quasiâ€Decadal Variability. Geophysical Research Letters, 2019, 46, 13346-13354. | 4.0 | 24 |
| 40 | ENSO Regime Changes Responsible for Decadal Phase Relationship Variations Between ENSO Sea Surface Temperature and Warm Water Volume. Geophysical Research Letters, 2019, 46, 7546-7553. | 4.0 | 20 |
| 41 | El NiÃ±o and the Southern Oscillation: Theory. , 2019, , . | | 1 |
| 42 | Diagnosing the representation and causes of the ENSO persistence barrier in CMIP5 simulations. Climate Dynamics, 2019, 53, 2147-2160. | 3.8 | 15 |
| 43 | Different Effects of Two ENSO Types on Arctic Surface Temperature in Boreal Winter. Journal of Climate, 2019, 32, 4943-4961. | 3.2 | 18 |
| 44 | Modulation of tropical cyclones in the southeastern part of western North Pacific by tropical Pacific decadal variability. Climate Dynamics, 2019, 53, 4475-4488. | 3.8 | 13 |
| 45 | Pantropical climate interactions. Science, 2019, 363, . | 12.6 | 419 |
| 46 | Impact of ENSO longitudinal position on teleconnections to the NAO. Climate Dynamics, 2019, 52, 257-274. | 3.8 | 65 |
| 47 | Revisiting the Pacific Meridional Mode. Scientific Reports, 2018, 8, 3216. | 3.3 | 96 |
| 48 | A New Method for Interpreting Nonstationary Running Correlations and Its Application to the ENSOâ€EAWM Relationship. Geophysical Research Letters, 2018, 45, 327-334. | 4.0 | 18 |
| 49 | Contrasting Local and Remote Impacts of Surface Heating on Polar Warming and Amplification. Journal of Climate, 2018, 31, 3155-3166. | 3.2 | 33 |
| 50 | Polar amplification dominated by local forcing and feedbacks. Nature Climate Change, 2018, 8, 1076-1081. | 18.8 | 216 |
| 51 | Climate variability impacts on rice production in the Philippines. PLoS ONE, 2018, 13, e0201426. | 2.5 | 61 |
| 52 | Model tropical Atlantic biases underpin diminished Pacific decadal variability. Nature Climate Change, 2018, 8, 493-498. | 18.8 | 92 |
| 53 | Radiative Feedbacks From Stochastic Variability in Surface Temperature and Radiative Imbalance. Geophysical Research Letters, 2018, 45, 5082-5094. | 4.0 | 21 |
| 54 | El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545. | 27.8 | 702 |

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|---|---|---|---|
| 55 | Decadal modulation of the ENSOâ€“East Asian winter monsoon relationship by the Atlantic Multidecadal Oscillation. Climate Dynamics, 2017, 49, 2531-2544. | 3.8 | 51 |
| 56 | Revisiting ENSO/Indian Ocean Dipole phase relationships. Geophysical Research Letters, 2017, 44, 2481-2492. | 4.0 | 168 |
| 57 | Conditions leading to the unprecedented low Antarctic sea ice extent during the 2016 austral spring season. Geophysical Research Letters, 2017, 44, 9008-9019. | 4.0 | 126 |
| 58 | Strong sub-seasonal wintertime cooling over East Asia and Northern Europe associated with super El NiÃ±o events. Scientific Reports, 2017, 7, 3770. | 3.3 | 54 |
| 59 | A simple approach to quantifying the noiseâ€“ENSO interaction. Part II: the role of coupling between the warm pool and equatorial zonal wind anomalies. Climate Dynamics, 2017, 48, 19-37. | 3.8 | 13 |
| 60 | Common Warming Pattern Emerges Irrespective of Forcing Location. Journal of Advances in Modeling Earth Systems, 2017, 9, 2413-2424. | 3.8 | 11 |
| 61 | Reply to â€œComments on â€˜Combination Mode Dynamics of the Anomalous Northwest Pacific Anticycloneâ€™â€•. Journal of Climate, 2016, 29, 4695-4706. | 3.2 | 9 |
| 62 | Unraveling El NiÃ±o's impact on the East Asian Monsoon and Yangtze River summer flooding. Geophysical Research Letters, 2016, 43, 11,375. | 4.0 | 125 |
| 63 | A New Understanding of El NiÃ±oâ€™s Impact over East Asia: Dominance of the ENSO Combination Mode. Journal of Climate, 2016, 29, 4347-4359. | 3.2 | 67 |
| 64 | ENSO and annual cycle interaction: the combination mode representation in CMIP5 models. Climate Dynamics, 2016, 46, 3753-3765. | 3.8 | 22 |
| 65 | Impact of different El NiÃ±o types on the El NiÃ±o/IOD relationship. Geophysical Research Letters, 2015, 42, 8570-8576. | 4.0 | 110 |
| 66 | The Annual-Cycle Modulation of Meridional Asymmetry in ENSOâ€™s Atmospheric Response and Its Dependence on ENSO Zonal Structure. Journal of Climate, 2015, 28, 5795-5812. | 3.2 | 44 |
| 67 | Tropospheric Biennial Oscillation (TBO) indistinguishable from white noise. Geophysical Research Letters, 2015, 42, 7785-7791. | 4.0 | 15 |
| 68 | Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone*. Journal of Climate, 2015, 28, 1093-1111. | 3.2 | 169 |
| 69 | El NiÃ±oâ˜Southern Oscillation frequency cascade. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13490-13495. | 7.1 | 46 |
| 70 | An Interhemispheric Tropical Sea Level Seesaw due to El NiÃ±o Taimasa. Journal of Climate, 2014, 27, 1070-1081. | 3.2 | 39 |
| 71 | ENSO Seasonal Synchronization Theory. Journal of Climate, 2014, 27, 5285-5310. | 3.2 | 85 |
| 72 | Recent Walker circulation strengthening and Pacific cooling amplified by Atlantic warming. Nature Climate Change, 2014, 4, 888-892. | 18.8 | 480 |

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|---|---|---|---|
| 73 | A combination mode of the annual cycle and the ElÂNiÃ±o/Southern Oscillation. Nature Geoscience, 2013, 6, 540-544. | 12.9 | 224 |
| 74 | ENSO Regime Change since the Late 1970s as Manifested by Two Types of ENSO. Journal of the Meteorological Society of Japan, 2013, 91, 835-842. | 1.8 | 37 |
| 75 | The Effect of the South Pacific Convergence Zone on the Termination of El NiÃ±o Events and the Meridional Asymmetry of ENSO*. Journal of Climate, 2012, 25, 5566-5586. | 3.2 | 117 |
| 76 | Ocean chemistry and atmospheric CO<sub>2</sub>sensitivity to carbon perturbations throughout the Cenozoic. Geophysical Research Letters, 2010, 37, . | 4.0 | 12 |