# Hideaki Kawai

List of Publications by Year
in descending order



| 26 | 1,658 | 471509 17 | 552781 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 37 | 37 | 37 | 2333 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lowâ€Level Marine Tropical Clouds in Six CMIP6 Models Are Too Few, Too Bright but Also Too Compact and Too Homogeneous. Geophysical Research Letters, 2022, 49, . | 4.0 | 12 |
| 2 | Estimated cloud-top entrainment index explains positive low-cloud-cover feedback. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 2 |
| 3 | Relationship between shortwave radiation bias over the Southern Ocean and the <scp>doubleâ€</scp>intertropical convergence zone problem in <scp>MRIâ€ESM2</scp>. Atmospheric Science Letters, 2021, 22, e1064. | 1.9 | 4 |
| 4 | Global and Arctic effective radiative forcing of anthropogenic gases and aerosols in MRI-ESM2.0. Progress in Earth and Planetary Science, 2020, 7, . | 3.0 | 56 |
| 5 | Marine Low Clouds and their Parameterization in Climate Models. Journal of the Meteorological Society of Japan, 2020, 98, 1097-1127. | 1.8 | 9 |
| 6 | Significant improvement of cloud representation in the global climate model MRI-ESM2. Geoscientific Model Development, 2019, 12, 2875-2897. | 3.6 | 60 |
| 7 | The Meteorological Research Institute Earth System Model Version 2.0, MRI-ESM2.0: Description and Basic Evaluation of the Physical Component. Journal of the Meteorological Society of Japan, 2019, 97, 931-965. | 1.8 | 434 |
| 8 | Evaluation of Relationships between Subtropical Marine Low Stratiform Cloudiness and Estimated Inversion Strength in CMIP5 Models Using the Satellite Simulator Package COSP. Scientific Online Letters on the Atmosphere, 2018, 14, 25-32. | 1.4 | 6 |
| 9 | Changes in Marine Fog Over the North Pacific Under Different Climates in CMIP5 Multimodel Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,911. | 3.3 | 5 |
| 10 | Singleâ€Column Model Simulations of Subtropical Marine Boundaryâ€Layer Cloud Transitions Under Weakening Inversions. Journal of Advances in Modeling Earth Systems, 2017, 9, 2385-2412. | 3.8 | 27 |
| 11 | Interpretation of Factors Controlling Low Cloud Cover and Low Cloud Feedback Using a Unified Predictive Index. Journal of Climate, 2017, 30, 9119-9131. | 3.2 | 35 |
| 12 | Changes in marine fog in a warmer climate. Atmospheric Science Letters, 2016, 17, 548-555. | 1.9 | 11 |
| 13 | Robustness, uncertainties, and emergent constraints in the radiative responses of stratocumulus cloud regimes to future warming. Climate Dynamics, 2016, 46, 3025-3039. | 3.8 | 31 |
| 14 | Characteristics of the Cloud Top Heights of Marine Boundary Layer Clouds and the Frequency of Marine Fog over Mid-Latitudes. Journal of the Meteorological Society of Japan, 2015, 93, 613-628. | 1.8 | 18 |
| 15 | Evaluating the Diurnal Cycle of Upper-Tropospheric Ice Clouds in Climate Models Using SMILES Observations. Journals of the Atmospheric Sciences, 2015, 72, 1022-1044. | 1.7 | 35 |
| 16 | The diurnal cycle of marine cloud feedback in climate models. Climate Dynamics, 2015, 44, 1419-1436. | 3.8 | 18 |
| 17 | CGILS: Results from the first phase of an international project to understand the physical mechanisms of low cloud feedbacks in single column models. Journal of Advances in Modeling Earth Systems, 2013, 5, 826-842. | 3.8 | 140 |
| 18 | Diagnosis of regimeâ€dependent cloud simulation errors in CMIP5 models using â€œAâ€Trainâ€•satellite observations and reanalysis data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2762-2780. | 3.3 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Probability Density Functions of Liquid Water Path and Total Water Content of Marine Boundary Layer Clouds: Implications for Cloud Parameterization. Journal of Climate, 2012, 25, 2162-2177. | 3.2 | 18 |
| 20 | Evaluation of cloud and water vapor simulations in CMIP5 climate models using NASA â€œAâ€Trainâ€• satellite observations. Journal of Geophysical Research, 2012, 117, . | 3.3 | 316 |
| 21 | Examples of Mechanisms for Negative Cloud Feedback of Stratocumulus and Stratus in Cloud Parameterizations. Scientific Online Letters on the Atmosphere, 2012, 8, 150-154. | 1.4 | 6 |
| 22 | Mixing Depth Estimation from Operational JMA and KMA Wind-Profiler Data and its Preliminary Applications: Examples from Four Selected Sites. Journal of the Meteorological Society of Japan, 2011, 89, 15-28. | 1.8 | 14 |
| 23 | Probability Density Functions of Liquid Water Path and Cloud Amount of Marine Boundary Layer Clouds: Geographical and Seasonal Variations and Controlling Meteorological Factors. Journal of Climate, 2010, 23, 2079-2092. | 3.2 | 30 |
| 24 | 20-km-Mesh Global Climate Simulations Using JMA-GSM Model<br>—Mean Climate States—. Journal of the Meteorological Society of Japan, 2006, 84, 165-185. | 1.8 | 218 |
| 25 | A Simple Parameterization Scheme for Subtropical Marine Stratocumulus. Scientific Online Letters on the Atmosphere, 2006, 2, 17-20. | 1.4 | 29 |
| 26 | Expected Submillimeter Emission and Dust Properties of Lyman Break Galaxies at High Redshift. Astrophysical Journal, 1999, 517, L19-L22. | 4.5 | 30 |