Seita Emori

List of Publications by Year
in descending order

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44	8,867	331259	253896
papers	citations	21	43
		h-index	g-index

46	46	46	12287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The next generation of scenarios for climate change research and assessment. Nature, 2010, 463, 747-756.	13.7	5,299
2	Improved Climate Simulation by MIROC5: Mean States, Variability, and Climate Sensitivity. Journal of Climate, 2010, 23, 6312-6335.	1.2	1,103
3	Tropical Intraseasonal Variability in 14 IPCC AR4 Climate Models. Part I: Convective Signals. Journal of Climate, 2006, 19, 2665-2690.	1.2	664
4	Simulation of climate response to aerosol direct and indirect effects with aerosol transport-radiation model. Journal of Geophysical Research, 2005, 110, .	3.3	491
5	Global projections of changing risks of floods and droughts in a changing climate. Hydrological Sciences Journal, 2008, 53, 754-772.	1.2	347
6	Coupled Ocean-Atmosphere Model Experiments of Future Climate Change with an Explicit Representation of Sulfate Aerosol Scattering. Journal of the Meteorological Society of Japan, 1999, 77, 1299-1307.	0.7	149
7	Importance of Cumulus Parameterization for Precipitation Simulation over East Asia in June.. Journal of the Meteorological Society of Japan, 2001, 79, 939-947.	0.7	87
8	Perturbed physics ensemble using the MIROC5 coupled atmosphereâ€“ocean GCM without flux corrections: experimental design and results. Climate Dynamics, 2012, 39, 3041-3056.	1.7	49
9	Numerical Study on the Baiu Front Genesis by Heating Contrast between Land and Ocean.. Journal of the Meteorological Society of Japan, 2001, 79, 671-686.	0.7	47
10	Assessing Mortality Risk from Heat Stress due to Global Warming. Journal of Risk Research, 2007, 10, 339-354.	1.4	47
11	Vertical cloud structure observed from shipborne radar and lidar: Midlatitude case study during the MR01/K02 cruise of the research vessel Mirai. Journal of Geophysical Research, 2007, 112, .	3.3	47
12	On the linear additivity of climate forcingâ€“response relationships at global and continental scales. International Journal of Climatology, 2013, 33, 2542-2550.	1.5	46
13	Far-reaching effects of the Hawaiian Islands in the CCSR/NIES/FRCGC high-resolution climate model. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	35
14	Emission scenario dependencies in climate change assessments of the hydrological cycle. Climatic Change, 2010, 99, 321-329.	1.7	34
15	Tropical Cyclones and Associated Precipitation over the Western North Pacific: T106 Atmospheric GCM Simulation for Present-day and Doubled CO2 Climates. Scientific Online Letters on the Atmosphere, 2005, 1, 145-148.	0.6	34
16	Using a Multiphysics Ensemble for Exploring Diversity in Cloudâ€“Shortwave Feedback in GCMs. Journal of Climate, 2012, 25, 5416-5431.	1.2	33
17	Emission pathways to achieve 2.0Â°C and 1.5Â°C climate targets. Earth's Future, 2017, 5, 592-604.	2.4	28
18	Transdisciplinary co-design of scientific research agendas: 40 research questions for socially relevant climate engineering research. Sustainability Science, 2017, 12, 31-44.	2.5	27

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19	Sea-Ice in Twentieth-Century Simulations by New MIROC Coupled Models: A Comparison between Models with High Resolution and with Ice Thickness Distribution. Journal of the Meteorological Society of Japan, 2012, 90A, 213-232.	0.7	26
20	Temperature scaling pattern dependence on representative concentration pathway emission scenarios. Climatic Change, 2012, 112, 535-546.	1.7	26
21	Comparison of equilibrium and transient responses to CO2increase in eight state-of-the-art climate models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 946-961.	0.8	25
22	Reliability and importance of structural diversity of climate model ensembles. Climate Dynamics, 2013, 41, 2745-2763.	1.7	23
23	Estimation of future surface temperature changes constrained using the future-present correlated modes in inter-model variability of CMIP3 multimodel simulations. Journal of Geophysical Research, 2011, 116, .	3.3	19
24	Impacts of global warming on hydrological cycles in the Asian monsoon region. Advances in Atmospheric Sciences, 2008, 25, 960-973.	1.9	18
25	The Northwestern Pacific Warming Record in August 2020 Occurred Under Anthropogenic Forcing. Geophysical Research Letters, 2021, 48, e2020GL090956.	1.5	18
26	Selecting CMIP6-Based Future Climate Scenarios for Impact and Adaptation Studies. Scientific Online Letters on the Atmosphere, 2021, 17, 57-62.	0.6	17
27	Are we ignoring a black elephant in the Anthropocene? Climate change and global pandemic as the crisis in health and equality. Sustainability Science, 2021, 16, 695-701.	2.5	15
28	Robustness of climate change signals in near term predictions up to the year 2030: Changes in the frequency of temperature extremes. Geophysical Research Letters, 2007, 34, .	1.5	14
29	Numerical Experiments Examining the Mechanism of Diurnal Variation of Tropical Convection. Journal of the Meteorological Society of Japan, 2004, 82, 1245-1260.	0.7	13
30	Limiting global warming to 1.5 Â°C will lower increases in inequalities of four hazard indicators of climate change. Environmental Research Letters, 2019, 14, 124022.	2.2	12
31	Effect of air-sea coupling in the assessment of CO2-induced intensification of tropical cyclone activity. Geophysical Research Letters, 2007, 34, .	1.5	10
32	Dependence of Precipitation Scaling Patterns on Emission Scenarios for Representative Concentration Pathways. Journal of Climate, 2013, 26, 8868-8879.	1.2	9
33	Risk implications of long-term global climate goals: overall conclusions of the ICA-RUS project. Sustainability Science, 2018, 13, 279-289.	2.5	9
34	Validation of a Pattern Scaling Approach for Determining the Maximum Available Renewable Freshwater Resource. Journal of Hydrometeorology, 2014, 15, 505-516.	0.7	8
35	On the scaling of climate impact indicators with global mean temperature increase: a case study of terrestrial ecosystems and water resources. Climatic Change, 2017, 141, 775-782.	1.7	8
36	Asymmetric impact of the physiological effect of carbon dioxide on hydrological responses to instantaneous negative and positive CO2 forcing. Climate Dynamics, 2015, 45, 2181-2192.	1.7	6

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37	Integrated climate assessment: risks, uncertainties, and society. Sustainability Science, 2018, 13, 275-277.	2.5	6
38	Selecting Future Climate Projections of Surface Solar Radiation in Japan. Scientific Online Letters on the Atmosphere, 2020, 16, 75-79.	0.6	5
39	The Impact of Cumulus Suppression on the Baiu Front Simulated by an AGCM. Journal of the Meteorological Society of Japan, 2008, 86, 119-140.	0.7	4
40	Impact of Global Warming on Gravity Wave Momentum Flux in the Lower Stratosphere. Scientific Online Letters on the Atmosphere, 2005, 1, 189-192.	0.6	4
41	AGCM experiment of the effect of cumulus suppression on convection center formation over the Bay of Bengal. Journal of Geophysical Research, 2008, 113, .	3.3	2
42	ASSESSMENT OF GREENHOUSE GAS EMISSION PATHWAYS BY CONSIDERING A POSSIBLE CLIMATE SENSITIVITY RANGE UNDER DIFFERENT SOCIO-ECONOMIC SCENARIOS. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2015, 71, I_205-I_216.	0.1	1
43	How many hot days and heavy precipitation days will grandchildren experience that break the records set in their grandparentsâ€™ lives?. Environmental Research Communications, 2021, 3, 061002.	0.9	1
44	EMULATION OF A COUPLE ATMOSPHERE-OCEAN GENERAL CIRCULATION MODEL WITH A SIMPLE CLIMATE MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_307-I_312.	0.0	0