

Tetsu Nakamura

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,695
citations

201674

27
h-index

214800

47
g-index

56
all docs

56
docs citations

56
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of stratospheric ozone on Southern Hemisphere circulation change: A multimodel assessment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	280
2	Multi-model assessment of stratospheric ozone return dates and ozone recovery in CCMVal-2 models. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9451-9472.	4.9	215
3	A negative phase shift of the winter AO/NAO due to the recent Arctic sea ice reduction in late autumn. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3209-3227.	3.3	180
4	Multimodel assessment of the upper troposphere and lower stratosphere: Tropics and global trends. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	171
5	Evaluating Impacts of Recent Arctic Sea Ice Loss on the Northern Hemisphere Winter Climate Change. <i>Geophysical Research Letters</i> , 2018, 45, 3255-3263.	4.0	159
6	Review of the formulation of present-generation stratospheric chemistry climate models and associated external forcings. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	150
7	Multimodel climate and variability of the stratosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	139
8	The stratospheric pathway for Arctic impacts on midlatitude climate. <i>Geophysical Research Letters</i> , 2016, 43, 3494-3501.	4.0	125
9	Projections of UV radiation changes in the 21st century: impact of ozone recovery and cloud effects. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7533-7545.	4.9	75
10	Decline and recovery of total column ozone using a multimodel time series analysis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	74
11	Using transport diagnostics to understand chemistry climate model ozone simulations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	68
12	Multimodel assessment of the upper troposphere and lower stratosphere: Extratropics. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	67
13	Multimodel assessment of the factors driving stratospheric ozone evolution over the 21st century. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
14	Diurnal ozone variations in the stratosphere revealed in observations from the Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES) on board the International Space Station (ISS). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2991-3006.	3.3	64
15	Sensitivity of 21st century stratospheric ozone to greenhouse gas scenarios. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	62
16	Influence of the Northern Hemisphere annular mode on ENSO by modulating westerly wind bursts. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	60
17	Can preferred atmospheric circulation patterns over the North-Atlantic-Eurasian region be associated with arctic sea ice loss?. <i>Polar Science</i> , 2017, 14, 9-20.	1.2	53
18	Chemistry climate model simulations of spring Antarctic ozone. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51

#	ARTICLE	IF	CITATIONS
19	Validation of ozone data from the Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5750-5769.	3.3	41
20	Importance of cold and dry surges in substantiating the NAM and ENSO relationship. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	40
21	Atmospheric winter response to Arctic sea ice changes in reanalysis data and model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7564-7577.	3.3	38
22	Abrupt evolution of the summer Northern Hemisphere annular mode and its association with blocking. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	37
23	A nudged chemistry-climate model simulation of chemical constituent distribution at northern high-latitude stratosphere observed by SMILES and MLS during the 2009/2010 stratospheric sudden warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1361-1380.	3.3	34
24	Intensification of hot Eurasian summers by climate change and land-atmosphere interactions. <i>Scientific Reports</i> , 2019, 9, 10866.	3.3	34
25	Anthropogenic forcing of the Northern Annular Mode in CCMv2 models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	32
26	Enhancement of Arctic storm activity in relation to permafrost degradation in eastern Siberia. <i>International Journal of Climatology</i> , 2016, 36, 4265-4275.	3.5	31
27	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	3.6	31
28	A possible cause of the AO polarity reversal from winter to summer in 2010 and its relation to hemispheric extreme summer weather. <i>Climate Dynamics</i> , 2013, 40, 1939-1947.	3.8	30
29	Poleward eddy heat flux anomalies associated with recent Arctic sea ice loss. <i>Geophysical Research Letters</i> , 2017, 44, 446-454.	4.0	29
30	Impact of Arctic sea ice variations on winter temperature anomalies in northern hemispheric land areas. <i>Climate Dynamics</i> , 2019, 52, 3111-3137.	3.8	29
31	A tropospheric pathway of the stratospheric quasi-biennial oscillation (QBO) impact on the boreal winter polar vortex. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5111-5127.	4.9	29
32	Weak Stratospheric Polar Vortex Events Modulated by the Arctic Sea-Ice Loss. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 858-869.	3.3	28
33	Memory effects of Eurasian land processes cause enhanced cooling in response to sea ice loss. <i>Nature Communications</i> , 2019, 10, 5111.	12.8	26
34	The potential to narrow uncertainty in projections of stratospheric ozone over the 21st century. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9473-9486.	4.9	25
35	Impact of the winter North Atlantic Oscillation (NAO) on the Western Pacific (WP) pattern in the following winter through Arctic sea ice and ENSO: part I—observational evidence. <i>Climate Dynamics</i> , 2015, 45, 1355-1366.	3.8	19
36	A possible linkage of Eurasian heat wave and East Asian heavy rainfall in Relation to the Rapid Arctic warming. <i>Environmental Research</i> , 2022, 209, 112881.	7.5	17

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37	The nature of Arctic polar vortices in chemistry-climate models. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1681-1691.	2.7	14
38	Impact of the winter North Atlantic Oscillation (NAO) on the Western Pacific (WP) pattern in the following winter through Arctic sea ice and ENSO. Part II: multi-model evaluation of the NAO-ENSO linkage. Climate Dynamics, 2015, 45, 3547-3562.	3.8	13
39	On the atmospheric response experiment to a Blue Arctic Ocean. Geophysical Research Letters, 2016, 43, 10,394-10,402.	4.0	12
40	Interannual Variation in Snow-accumulation Events in Tokyo and its Relationship to the Eurasian Pattern. Scientific Online Letters on the Atmosphere, 2007, 3, 129-132.	1.4	11
41	Role of the Cold Okhotsk Sea on the Climate of the North Pacific Subtropical High and Baiu Precipitation. Journal of Climate, 2021, 34, 495-507.	3.2	9
42	Influence of lower stratospheric ozone variation on tropospheric temperature and mean meridional circulation in the Northern Hemisphere summer. Geophysical Research Letters, 2009, 36, .	4.0	4
43	A multimodel comparison of stratospheric ozone data assimilation based on an ensemble Kalman filter approach. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3848-3868.	3.3	4
44	Interhemispheric Synchronization Between the AO and the AAO. Geophysical Research Letters, 2018, 45, 13,477.	4.0	3
45	Recent Breakdown of the Seasonal Linkage between the Winter North Atlantic Oscillation/Northern Annular Mode and Summer Northern Annular Mode. Journal of Climate, 2019, 32, 591-605.	3.2	2
46	The stratospheric QBO affects antarctic sea ice through the tropical convection in early austral winter. Polar Science, 2021, 28, 100674.	1.2	2
47	Controlling Factors of Historical Variation of Winter Tibetan Plateau Snow Cover Revealed by Large-Ensemble Experiments. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	3.3	1
48	Is summer sea surface temperature over the Arctic Ocean connected to winter air temperature over North America?. Climate Research, 2016, 70, 19-27.	1.1	0