

# Makiko Sato

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

9,995  
citations

257450

24  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

12472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global temperature change. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14288-14293.	7.1	1,566
2	Perception of climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2415-23.	7.1	1,056
3	Target Atmospheric CO: Where Should Humanity Aim?. The Open Atmospheric Science Journal, 2008, 2, 217-231.	0.5	893
4	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	3.2	832
5	Stratospheric aerosol optical depths, 1850â€“1990. Journal of Geophysical Research, 1993, 98, 22987-22994.	3.3	795
6	Earth's Energy Imbalance: Confirmation and Implications. Science, 2005, 308, 1431-1435.	12.6	728
7	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. Journal of Advances in Modeling Earth Systems, 2014, 6, 141-184.	3.8	597
8	Assessing "Dangerous Climate Change": Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. PLoS ONE, 2013, 8, e81648.	2.5	448
9	Climate sensitivity, sea level and atmospheric carbon dioxide. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120294.	3.4	429
10	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 Å°C global warming could be dangerous. Atmospheric Chemistry and Physics, 2016, 16, 3761-3812.	4.9	421
11	Potential climate impact of Mount Pinatubo eruption. Geophysical Research Letters, 1992, 19, 215-218.	4.0	374
12	Climate change and trace gases. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1925-1954.	3.4	323
13	Greenhouse gas growth rates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16109-16114.	7.1	232
14	Climate forcing by stratospheric aerosols. Geophysical Research Letters, 1992, 19, 1607-1610.	4.0	230
15	Global atmospheric black carbon inferred from AERONET. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6319-6324.	7.1	204
16	Young people's burden: requirement of negative CO&lt;sub&gt;2&lt;/sub&gt; emissions. Earth System Dynamics, 2017, 8, 577-616.	7.1	189
17	CMIP5 historical simulations (1850â€“2012) with GISS ModelE2. Journal of Advances in Modeling Earth Systems, 2014, 6, 441-478.	3.8	133
18	Regional climate change and national responsibilities. Environmental Research Letters, 2016, 11, 034009.	5.2	96

#	ARTICLE	IF	CITATIONS
19	Trends in tropospheric aerosol loads and corresponding impact on direct radiative forcing between 1950 and 1990: A model study. <i>Journal of Geophysical Research</i> , 2000, 105, 26971-26989.	3.3	93
20	Paleoclimate Implications for Human-Made Climate Change. , 2012, , 21-47.		88
21	Jupiter's Atmospheric Composition and Cloud Structure Deduced from Absorption Bands in Reflected Sunlight. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 1133-1167.	1.7	77
22	Satellite and surface temperature data at odds?. <i>Climatic Change</i> , 1995, 30, 103-117.	3.6	60
23	Climate forcing growth rates: doubling down on our Faustian bargain. <i>Environmental Research Letters</i> , 2013, 8, 011006.	5.2	34
24	Near-ultraviolet scattering properties of Jupiter. <i>Journal of Geophysical Research</i> , 1981, 86, 8783-8792.	3.3	26
25	Implications of energy and CO2 emission changes in Japan and Germany after the Fukushima accident. <i>Energy Policy</i> , 2019, 132, 647-653.	8.8	26
26	GLOBAL WARMING:Global Climate Data and Models: A Reconciliation. , 1998, 281, 930-932.		25
27	Reply to Rhines and Huybers: Changes in the frequency of extreme summer heat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E547-8.	7.1	7
28	Reply to Stone et al.: Human-made role in local temperature extremes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1544-E1544.	7.1	3