Makiko Sato

List of Publications by Year
in descending order

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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	Implications of energy and CO2 emission changes in Japan and Germany after the Fukushima accident. Energy Policy, 2019, 132, 647-653.	8.8	26
2	Young people's burden: requirement of negative CO₂ emissions. Earth System Dynamics, 2017, 8, 577-616.	7.1	189
3	Regional climate change and national responsibilities. Environmental Research Letters, 2016, 11, 034009.	5.2	96
4	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 Â°C global warming could be dangerous. Atmospheric Chemistry and Physics, 2016, 16, 3761-3812.	4.9	421
5	CMIP5 historical simulations (1850â€“2012) with GISS ModelE2. Journal of Advances in Modeling Earth Systems, 2014, 6, 441-478.	3.8	133
6	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
7	Climate sensitivity, sea level and atmospheric carbon dioxide. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120294.	3.4	429
8	Climate forcing growth rates: doubling down on our Faustian bargain. Environmental Research Letters, 2013, 8, 011006.	5.2	34
9	Reply to Rhines and Huybers: Changes in the frequency of extreme summer heat. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E547-8.	7.1	7
10	Reply to Stone et al.: Human-made role in local temperature extremes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1544-E1544.	7.1	3
11	Assessing â€œDangerous Climate Changeâ€ Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. PLoS ONE, 2013, 8, e81648.	2.5	448
12	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
13	Paleoclimate Implications for Human-Made Climate Change. , 2012, , 21-47.		88
14	Target Atmospheric CO: Where Should Humanity Aim?. The Open Atmospheric Science Journal, 2008, 2, 217-231.	0.5	893
15	Climate change and trace gases. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1925-1954.	3.4	323
16	Global temperature change. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14288-14293.	7.1	1,566
17	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
18	Earth's Energy Imbalance: Confirmation and Implications. Science, 2005, 308, 1431-1435.	12.6	728

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19	Greenhouse gas growth rates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16109-16114.	7.1	232
20	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
21	Trends in tropospheric aerosol loads and corresponding impact on direct radiative forcing between 1950 and 1990: A model study. Journal of Geophysical Research, 2000, 105, 26971-26989.	3.3	93
22	GLOBAL WARMING:Global Climate Data and Models: A Reconciliation. , 1998, 281, 930-932.		25
23	Satellite and surface temperature data at odds?. Climatic Change, 1995, 30, 103-117.	3.6	60
24	Stratospheric aerosol optical depths, 1850â€“1990. Journal of Geophysical Research, 1993, 98, 22987-22994.	3.3	795
25	Potential climate impact of Mount Pinatubo eruption. Geophysical Research Letters, 1992, 19, 215-218.	4.0	374
26	Climate forcing by stratospheric aerosols. Geophysical Research Letters, 1992, 19, 1607-1610.	4.0	230
27	Nearâ€ultraviolet scattering properties of Jupiter. Journal of Geophysical Research, 1981, 86, 8783-8792.	3.3	26
28	Jupiter's Atmospheric Composition and Cloud Structure Deduced from Absorption Bands in Reflected Sunlight. Journals of the Atmospheric Sciences, 1979, 36, 1133-1167.	1.7	77