

James E Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

9,011
citations

236833

25
h-index

526166

27
g-index

30
all docs

30
docs citations

30
times ranked

10544
citing authors

#	ARTICLE	IF	CITATIONS
1	Target Atmospheric CO: Where Should Humanity Aim?. The Open Atmospheric Science Journal, 2008, 2, 217-231.	0.5	893
2	Global trends of measured surface air temperature. Journal of Geophysical Research, 1987, 92, 13345-13372.	3.3	863
3	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	1.2	832
4	Stratospheric aerosol optical depths, 1850â€“1990. Journal of Geophysical Research, 1993, 98, 22987-22994.	3.3	795
5	Earth's Energy Imbalance: Confirmation and Implications. Science, 2005, 308, 1431-1435.	6.0	728
6	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. Journal of Advances in Modeling Earth Systems, 2014, 6, 141-184.	1.3	597
7	Improvements in the GISTEMP Uncertainty Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6307-6326.	1.2	474
8	Assessing â€œDangerous Climate Changeâ€: Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. PLoS ONE, 2013, 8, e81648.	1.1	448
9	Climate sensitivity, sea level and atmospheric carbon dioxide. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120294.	1.6	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.	1.9	421
11	Climate change and trace gases. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1925-1954.	1.6	323
12	Accurate Monitoring of Terrestrial Aerosols and Total Solar Irradiance: Introducing the Glory Mission. Bulletin of the American Meteorological Society, 2007, 88, 677-692.	1.7	277
13	Potential for large-scale CO2 removal via enhanced rock weathering with croplands. Nature, 2020, 583, 242-248.	13.7	263
14	Greenhouse gas growth rates. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16109-16114.	3.3	232
15	Farming with crops and rocks to address global climate, food and soil security. Nature Plants, 2018, 4, 138-147.	4.7	226
16	Young people's burden: requirement of negative CO<sub>2</sub> emissions. Earth System Dynamics, 2017, 8, 577-616.	2.7	189
17	Enhanced weathering strategies for stabilizing climate and averting ocean acidification. Nature Climate Change, 2016, 6, 402-406.	8.1	184
18	Heat stored in the Earth system: where does the energy go?. Earth System Science Data, 2020, 12, 2013-2041.	3.7	181

#	ARTICLE	IF	CITATIONS
19	A slippery slope: How much global warming constitutes ?dangerous anthropogenic interference??. Climatic Change, 2005, 68, 269-279.	1.7	162
20	CMIP5 historical simulations (1850â€“2012) with GISS ModelE2. Journal of Advances in Modeling Earth Systems, 2014, 6, 441-478.	1.3	133
21	Regional climate change and national responsibilities. Environmental Research Letters, 2016, 11, 034009.	2.2	96
22	Implications of â€œpeak oilâ€“for atmospheric CO ₂ and climate. Global Biogeochemical Cycles, 2008, 22, .	1.9	87
23	China-U.S. cooperation to advance nuclear power. Science, 2016, 353, 547-548.	6.0	50
24	Climate forcing growth rates: doubling down on our Faustian bargain. Environmental Research Letters, 2013, 8, 011006.	2.2	34
25	Antarctic Glacial Melt as a Driver of Recent Southern Ocean Climate Trends. Geophysical Research Letters, 2020, 47, e2019GL086892.	1.5	34
26	The role of long-lived greenhouse gases as principal LW control knob that governs the global surface temperature for past and future climate change. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 19734.	0.8	30
27	Cost of Carbon Capture: Can Young People Bear the Burden?. Joule, 2018, 2, 1405-1407.	11.7	18
28	Environment and Development Challenges. , 2015, , .		2
29	Foreword: uncensored science is crucial for global conservation. , 2021, , xxv-lvi.		0