Kai-Lan Chang

List of Publications by Year
in descending order

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19 papers	7,902 citations	686830 13 h-index	794141 19 g-index
32 all docs	32 docs citations	32 times ranked	11775 citing authors

#	Article	IF	Citations
1	Global burden of 87 risk factors in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1223-1249.	6.3	3,928
2	Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1923-1994.	6.3	3,269
3	Regional trend analysis of surface ozone observations from monitoring networks in eastern North America, Europe and East Asia. Elementa, 2017, 5, .	1.1	125
4	A pause in Southern Hemisphere circulation trends due to the Montreal Protocol. Nature, 2020, 579, 544-548.	13.7	106
5	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. Elementa, 2019, 7, .	1.1	103
6	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. Science Advances, 2020, 6, .	4.7	64
7	Multi-decadal surface ozone trends at globally distributed remote locations. Elementa, 2020, 8, .	1.1	54
8	COVIDâ€19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. Geophysical Research Letters, 2021, 48, e2020GL091987.	1.5	51
9	Mapping Yearly Fine Resolution Global Surface Ozone through the Bayesian Maximum Entropy Data Fusion of Observations and Model Output for 1990â€“2017. Environmental Science & Technology, 2021, 55, 4389-4398.	4.6	47
10	Estimates of ozone concentrations and attributable mortality in urban, peri-urban and rural areas worldwide in 2019. Environmental Research Letters, 2022, 17, 054023.	2.2	38
11	A new method (M³Fusion v1) for combining observations and multiple model output for an improved estimate of the global surface ozone distribution. Geoscientific Model Development, 2019, 12, 955-978.	1.3	23
12	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. Geophysical Research Letters, 2021, 48, .	1.5	22
13	Statistical regularization for trend detection: an integrated approach for detecting long-term trends from sparse tropospheric ozone profiles. Atmospheric Chemistry and Physics, 2020, 20, 9915-9938.	1.9	15
14	Computer Model Calibration with Large Non-Stationary Spatial Outputs: Application to the Calibration of a Climate Model. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 51-78.	0.5	13
15	Spatial mapping of ground-based observations of total ozone. Atmospheric Measurement Techniques, 2015, 8, 4487-4505.	1.2	11
16	Trend detection of atmospheric time series. Elementa, 2021, 9, .	1.1	10
17	Spatial Coverage of Monitoring Networks: A Climate Observing System Simulation Experiment. Journal of Applied Meteorology and Climatology, 2017, 56, 3211-3228.	0.6	9
18	Impact of the COVIDâ€19 Economic Downturn on Tropospheric Ozone Trends: An Uncertainty Weighted Data Synthesis for Quantifying Regional Anomalies Above Western North America and Europe. AGU Advances, 2022, 3, .	2.3	9

#	Article	IF	Citations
19	A Novel Networkâ€Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3