

Kai-Lan Chang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

7,902
citations

687220

13
h-index

794469

19
g-index

32
all docs

32
docs citations

32
times ranked

11775
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Network-Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	3
2	Impact of the COVID-19 Economic Downturn on Tropospheric Ozone Trends: An Uncertainty Weighted Data Synthesis for Quantifying Regional Anomalies Above Western North America and Europe. <i>AGU Advances</i> , 2022, 3, .	2.3	9
3	Estimates of ozone concentrations and attributable mortality in urban, peri-urban and rural areas worldwide in 2019. <i>Environmental Research Letters</i> , 2022, 17, 054023.	2.2	38
4	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	22
5	COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091987.	1.5	51
6	Mapping Yearly Fine Resolution Global Surface Ozone through the Bayesian Maximum Entropy Data Fusion of Observations and Model Output for 1990-2017. <i>Environmental Science & Technology</i> , 2021, 55, 4389-4398.	4.6	47
7	Trend detection of atmospheric time series. <i>Elementa</i> , 2021, 9, .	1.1	10
8	Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	6.3	3,928
9	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. <i>Science Advances</i> , 2020, 6, .	4.7	64
10	A pause in Southern Hemisphere circulation trends due to the Montreal Protocol. <i>Nature</i> , 2020, 579, 544-548.	13.7	106
11	Multi-decadal surface ozone trends at globally distributed remote locations. <i>Elementa</i> , 2020, 8, .	1.1	54
12	Statistical regularization for trend detection: an integrated approach for detecting long-term trends from sparse tropospheric ozone profiles. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9915-9938.	1.9	15
13	A new method (M<sup>3</sup>Fusion v1) for combining observations and multiple model output for an improved estimate of the global surface ozone distribution. <i>Geoscientific Model Development</i> , 2019, 12, 955-978.	1.3	23
14	Computer Model Calibration with Large Non-Stationary Spatial Outputs: Application to the Calibration of a Climate Model. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2019, 68, 51-78.	0.5	13
15	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. <i>Elementa</i> , 2019, 7, .	1.1	103
16	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, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1923-1994.	6.3	3,269
17	Spatial Coverage of Monitoring Networks: A Climate Observing System Simulation Experiment. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 3211-3228.	0.6	9
18	Regional trend analysis of surface ozone observations from monitoring networks in eastern North America, Europe and East Asia. <i>Elementa</i> , 2017, 5, .	1.1	125

#	ARTICLE	IF	CITATIONS
19	Spatial mapping of ground-based observations of total ozone. Atmospheric Measurement Techniques, 2015, 8, 4487-4505.	1.2	11