

# Eirh-Yu Hsie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9064957/publications.pdf>

Version: 2024-02-01

27  
papers

2,541  
citations

304743

22  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of natural hydrocarbons on hydroxyl and peroxy radicals at a remote site. Journal of Geophysical Research, 1987, 92, 11879-11894.	3.3	227
2	Numerical Simulation of Frontogenesis in a Moist Atmosphere. Journals of the Atmospheric Sciences, 1984, 41, 2581-2594.	1.7	199
3	Estimation of skill and uncertainty in regional numerical models. Quarterly Journal of the Royal Meteorological Society, 1989, 115, 763-806.	2.7	198
4	A volatility basis set model for summertime secondary organic aerosols over the eastern United States in 2006. Journal of Geophysical Research, 2012, 117, .	3.3	195
5	Assessment of an ensemble of seven real-time ozone forecasts over eastern North America during the summer of 2004. Journal of Geophysical Research, 2005, 110, .	3.3	175
6	NO <sub>2</sub> columns in the western United States observed from space and simulated by a regional chemistry model and their implications for NO <sub>x</sub> emissions. Journal of Geophysical Research, 2009, 114, .	3.3	146
7	Hydrocarbon ratios during PEM-WEST A: A model perspective. Journal of Geophysical Research, 1996, 101, 2087-2109.	3.3	144
8	Top-down estimate of surface flux in the Los Angeles Basin using a mesoscale inverse modeling technique: assessing anthropogenic emissions of CO, NO <sub>x</sub> and CO <sub>2</sub> and their impacts. Atmospheric Chemistry and Physics, 2013, 13, 3661-3677.	4.9	142
9	Observations and modeling of the reactive nitrogen photochemistry at a rural site. Journal of Geophysical Research, 1991, 96, 3045-3063.	3.3	127
10	A regional model study of the ozone budget in the eastern United States. Journal of Geophysical Research, 1991, 96, 10809-10845.	3.3	116
11	Systematic variations in the concentration of NO <sub>x</sub> (NO Plus NO <sub>2</sub> ) at Niwot Ridge, Colorado. Journal of Geophysical Research, 1990, 95, 1817-1836.	3.3	112
12	A study of the dependence of rural ozone on ozone precursors in the eastern United States. Journal of Geophysical Research, 1991, 96, 15377-15394.	3.3	108
13	Numerical Simulation of Ice-Phase Convective Cloud Seeding. Journal of Applied Meteorology, 1980, 19, 950-977.	1.1	91
14	Direct transport of midlatitude stratospheric ozone into the lower troposphere and marine boundary layer of the tropical Pacific Ocean. Journal of Geophysical Research, 2005, 110, .	3.3	84
15	Model study of tropospheric trace species distributions during PEM-West A. Journal of Geophysical Research, 1996, 101, 2073-2085.	3.3	76
16	On the indirect determination of atmospheric OH radical concentrations from reactive hydrocarbon measurements. Journal of Geophysical Research, 1990, 95, 7493-7500.	3.3	74
17	An evaluation of real-time air quality forecasts and their urban emissions over eastern Texas during the summer of 2006 Second Texas Air Quality Study field study. Journal of Geophysical Research, 2009, 114, .	3.3	69
18	Simulations of Frontogenesis in a Moist Atmosphere Using Alternative Parameterizations of Condensation and Precipitation. Journals of the Atmospheric Sciences, 1984, 41, 2701-2716.	1.7	49

#	ARTICLE	IF	CITATIONS
19	A new inversion method to calculate emission inventories without a prior at mesoscale: Application to the anthropogenic CO <sub>2</sub> emission from Houston, Texas. Journal of Geophysical Research, 2012, 117, .	3.3	44
20	A comparison of explicit and implicit predictions of convective and stratiform precipitating weather systems with a meso-scale numerical model. Quarterly Journal of the Royal Meteorological Society, 1988, 114, 31-60.	2.7	43
21	Numerical uncertainty at mesoscale in a Lagrangian model in complex terrain. Geoscientific Model Development, 2012, 5, 1127-1136.	3.6	36
22	Diagnostic Studies of a Two-Dimensional Simulation of Frontogenesis in a Moist Atmosphere. Journals of the Atmospheric Sciences, 1984, 41, 2686-2700.	1.7	23
23	Parameterization of subgrid scale convective cloud transport in a mesoscale regional chemistry model. Journal of Geophysical Research, 1994, 99, 25615.	3.3	20
24	Radon 222 simulations as a test of a three-dimensional regional transport model. Journal of Geophysical Research, 1996, 101, 29165-29177.	3.3	18
25	A comparison of explicit and implicit predictions of convective and stratiform precipitating weather systems with a meso-scale numerical model. Quarterly Journal of the Royal Meteorological Society, 1988, 114, 31-60.	2.7	17
26	A case study of stratosphere-troposphere exchange during the 1996 North Atlantic Regional Experiment. Journal of Geophysical Research, 2004, 109, .	3.3	5
27	A modeling study of tropospheric species during the North Atlantic Regional Experiment (NARE). Journal of Geophysical Research, 1998, 103, 13593-13613.	3.3	3