

Timothy M Hall

List of Publications by Year in descending order

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46
papers

3,434
citations

201385

27
h-index

233125

45
g-index

46
all docs

46
docs citations

46
times ranked

3118
citing authors

#	ARTICLE	IF	CITATIONS
1	Age of stratospheric air: Theory, observations, and models. <i>Reviews of Geophysics</i> , 2002, 40, 1-1.	9.0	553
2	Age as a diagnostic of stratospheric transport. <i>Journal of Geophysical Research</i> , 1994, 99, 1059.	3.3	364
3	Human influence on tropical cyclone intensity. <i>Science</i> , 2016, 353, 242-246.	6.0	286
4	Transit-Time and Tracer-Age Distributions in Geophysical Flows. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 3539-3558.	0.6	179
5	On the role of charged aerosols in polar mesosphere summer echoes. <i>Journal of Geophysical Research</i> , 1992, 97, 875-886.	3.3	177
6	Evaluation of transport in stratospheric models. <i>Journal of Geophysical Research</i> , 1999, 104, 18815-18839.	3.3	175
7	Relationships among tracer ages. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	168
8	Statistical modelling of North Atlantic tropical cyclone tracks. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 486-498.	0.8	152
9	A Generalized Transport Theory: Water-Mass Composition and Age. <i>Journal of Physical Oceanography</i> , 2002, 32, 1932-1946.	0.7	136
10	Transport times and anthropogenic carbon in the subpolar North Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1475-1491.	0.6	131
11	Inferring the concentration of anthropogenic carbon in the ocean from tracers. <i>Global Biogeochemical Cycles</i> , 2002, 16, 78-1-78-15.	1.9	102
12	On the impact angle of Hurricane Sandy's New Jersey landfall. <i>Geophysical Research Letters</i> , 2013, 40, 2312-2315.	1.5	79
13	Hurricane stalling along the North American coast and implications for rainfall. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	73
14	Estimates of anthropogenic carbon in the Indian Ocean with allowance for mixing and time-varying air-sea CO ₂ disequilibrium. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	65
15	A Statistical Model of Tropical Cyclone Tracks in the Western North Pacific with ENSO-Dependent Cyclogenesis. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 1725-1739.	0.6	62
16	Timescales for the stratospheric circulation derived from tracers. <i>Journal of Geophysical Research</i> , 1997, 102, 8991-9001.	3.3	57
17	Tracer transport in the tropical stratosphere due to vertical diffusion and horizontal mixing. <i>Geophysical Research Letters</i> , 1997, 24, 1383-1386.	1.5	53
18	Simulations of the trend and annual cycle in stratospheric CO ₂ . <i>Journal of Geophysical Research</i> , 1993, 98, 10573-10581.	3.3	49

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19	Seasonality and weather-driven variability of transpacific transport. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	47
20	Seasonal evolutions of N ₂ O, O ₃ , and CO ₂ : Three-dimensional simulations of stratospheric correlations. <i>Journal of Geophysical Research</i> , 1995, 100, 16699.	3.3	42
21	Influence of nonlocal chemistry on tracer distributions: Inferring the mean age of air from SF ₆ . <i>Journal of Geophysical Research</i> , 1998, 103, 13327-13336.	3.3	40
22	On Ocean Transport Diagnostics: The Idealized Age Tracer and the Age Spectrum. <i>Journal of Physical Oceanography</i> , 2002, 32, 1987-1991.	0.7	38
23	North American Tropical Cyclone Landfall and SST: A Statistical Model Study. <i>Journal of Climate</i> , 2013, 26, 8422-8439.	1.2	34
24	Transit time distributions in Lake Issyk-Kul. <i>Geophysical Research Letters</i> , 2002, 29, 84-1-84-4.	1.5	33
25	Stratospheric residence time and its relationship to mean age. <i>Journal of Geophysical Research</i> , 2000, 105, 6773-6782.	3.3	30
26	Advective-diffusive mass flux and implications for stratosphere-troposphere exchange. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	30
27	Comparison of Local and Basinwide Methods for Risk Assessment of Tropical Cyclone Landfall. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 361-367.	0.6	28
28	ENSO Effect on East Asian Tropical Cyclone Landfall via Changes in Tracks and Genesis in a Statistical Model. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 406-420.	0.6	28
29	Ventilation Rates Estimated from Tracers in the Presence of Mixing. <i>Journal of Physical Oceanography</i> , 2007, 37, 2599-2611.	0.7	26
30	The frequency and duration of U.S. hurricane droughts. <i>Geophysical Research Letters</i> , 2015, 42, 3482-3485.	1.5	25
31	Propagation of Tracer Signals in Boundary Currents. <i>Journal of Physical Oceanography</i> , 2005, 35, 1538-1552.	0.7	23
32	Studies of African Wave Disturbances with the GISS GCM. <i>Journal of Climate</i> , 1994, 7, 261-276.	1.2	21
33	The Sensitivity of African Wave Disturbances to Remote Forcing. <i>Journal of Applied Meteorology and Climatology</i> , 1996, 35, 1100-1110.	1.7	19
34	Low-level transpacific transport. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	19
35	Path histories and timescales in stratospheric transport: Analysis of an idealized model. <i>Journal of Geophysical Research</i> , 2000, 105, 22811-22823.	3.3	18
36	A reevaluation of the Stokes drift in the polar summer mesosphere. <i>Journal of Geophysical Research</i> , 1992, 97, 887-897.	3.3	13

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37	Tropospheric transport climate partitioned by surface origin and transit time. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
38	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. <i>Journal of Climate</i> , 2017, 30, 5329-5343.	1.2	10
39	Tracer age symmetry in advectiveâ€“diffusive flows. <i>Journal of Marine Systems</i> , 2004, 48, 51-59.	0.9	9
40	Separating the natural and anthropogenic air-sea flux of CO2: The Indian Ocean. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	7
41	Temporal variations and trends of CFC11 and CFC12 surface-water saturations in Antarctic marginal seas: Results of a regional ocean circulation model. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 175-198.	0.6	7
42	Coastal marshes provide valuable protection for coastal communities from storm-induced wave, flood, and structural loss in a changing climate. <i>Scientific Reports</i> , 2022, 12, 3051.	1.6	7
43	Idealized tracer transport models with time-varying transport: applications to ocean boundary currents. <i>Environmental Fluid Mechanics</i> , 2010, 10, 235-255.	0.7	3
44	Pacific Hurricane Landfalls on Mexico and SST. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 667-676.	0.6	3
45	Statistical modelling of North Atlantic tropical cyclone tracks. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, , .	0.8	3
46	Extreme Weather and Climate: Workshop Report. <i>Journal of Extreme Events</i> , 2016, 03, 1671001.	1.2	0