

Timothy M Hall

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

2,802
citations

26
h-index

46
g-index

46
ext. papers

3,045
ext. citations

5.1
avg. IF

5.26
L-index

#	Paper	IF	Citations
46	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	4.9	1
45	Hurricane stalling along the North American coast and implications for rainfall. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	43
44	Pacific Hurricane Landfalls on Mexico and SST. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 667-676	2.7	1
43	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. <i>Journal of Climate</i> , 2017 , 30, 5329-5343	4.4	9
42	Human influence on tropical cyclone intensity. <i>Science</i> , 2016 , 353, 242-6	33.3	192
41	Extreme Weather and Climate: Workshop Report. <i>Journal of Extreme Events</i> , 2016 , 03, 1671001	1	
40	The frequency and duration of U.S. hurricane droughts. <i>Geophysical Research Letters</i> , 2015 , 42, 3482-3485	4.9	21
39	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	2.7	21
38	North American Tropical Cyclone Landfall and SST: A Statistical Model Study. <i>Journal of Climate</i> , 2013 , 26, 8422-8439	4.4	29
37	On the impact angle of Hurricane Sandy's New Jersey landfall. <i>Geophysical Research Letters</i> , 2013 , 40, 2312-2315	4.9	69
36	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	2.7	49
35	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	2.5	7
34	Idealized tracer transport models with time-varying transport: applications to ocean boundary currents. <i>Environmental Fluid Mechanics</i> , 2010 , 10, 235-255	2.2	2
33	Tropospheric transport climate partitioned by surface origin and transit time. <i>Journal of Geophysical Research</i> , 2008 , 113,		8
32	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	2.7	24
31	Low-level transpacific transport. <i>Journal of Geophysical Research</i> , 2007 , 112,		18
30	Statistical modelling of North Atlantic tropical cyclone tracks. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007 , 59, 486-498	2	116

29	Ventilation Rates Estimated from Tracers in the Presence of Mixing. <i>Journal of Physical Oceanography</i> , 2007 , 37, 2599-2611	2.4	26
28	Statistical modelling of North Atlantic tropical cyclone tracks. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007 ,	2	3
27	Seasonality and weather-driven variability of transpacific transport. <i>Journal of Geophysical Research</i> , 2005 , 110,		42
26	Propagation of Tracer Signals in Boundary Currents. <i>Journal of Physical Oceanography</i> , 2005 , 35, 1538-1552	2.4	20
25	Separating the natural and anthropogenic air-sea flux of CO ₂ : The Indian Ocean. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	6
24	Tracer age symmetry in advective-diffusive flows. <i>Journal of Marine Systems</i> , 2004 , 48, 51-59	2.7	9
23	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	5.9	62
22	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	2.5	119
21	Advective-diffusive mass flux and implications for stratosphere-troposphere exchange. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	27
20	Relationships among tracer ages. <i>Journal of Geophysical Research</i> , 2003 , 108,		149
19	On Ocean Transport Diagnostics: The Idealized Age Tracer and the Age Spectrum. <i>Journal of Physical Oceanography</i> , 2002 , 32, 1987-1991	2.4	32
18	Transit time distributions in Lake Issyk-Kul. <i>Geophysical Research Letters</i> , 2002 , 29, 84-1-84-4	4.9	27
17	AGE OF STRATOSPHERIC AIR: THEORY, OBSERVATIONS, AND MODELS. <i>Reviews of Geophysics</i> , 2002 , 40, 1-1	23.1	348
16	Inferring the concentration of anthropogenic carbon in the ocean from tracers. <i>Global Biogeochemical Cycles</i> , 2002 , 16, 78-1-78-15	5.9	88
15	A Generalized Transport Theory: Water-Mass Composition and Age. <i>Journal of Physical Oceanography</i> , 2002 , 32, 1932-1946	2.4	117
14	Transit-Time and Tracer-Age Distributions in Geophysical Flows. <i>Journals of the Atmospheric Sciences</i> , 2000 , 57, 3539-3558	2.1	160
13	Path histories and timescales in stratospheric transport: Analysis of an idealized model. <i>Journal of Geophysical Research</i> , 2000 , 105, 22811-22823		18
12	Stratospheric residence time and its relationship to mean age. <i>Journal of Geophysical Research</i> , 2000 , 105, 6773-6782		29

11	Evaluation of transport in stratospheric models. <i>Journal of Geophysical Research</i> , 1999 , 104, 18815-18839	154
10	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	35
9	Tracer transport in the tropical stratosphere due to vertical diffusion and horizontal mixing. <i>Geophysical Research Letters</i> , 1997 , 24, 1383-1386	4-9 49
8	Timescales for the stratospheric circulation derived from tracers. <i>Journal of Geophysical Research</i> , 1997 , 102, 8991-9001	51
7	The Sensitivity of African Wave Disturbances to Remote Forcing. <i>Journal of Applied Meteorology and Climatology</i> , 1996 , 35, 1100-1110	16
6	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	39
5	Age as a diagnostic of stratospheric transport. <i>Journal of Geophysical Research</i> , 1994 , 99, 1059	328
4	Studies of African Wave Disturbances with the GISS GCM. <i>Journal of Climate</i> , 1994 , 7, 261-276	4-4 19
3	Simulations of the trend and annual cycle in stratospheric CO ₂ . <i>Journal of Geophysical Research</i> , 1993 , 98, 10573	47
2	A re-evaluation of the Stokes drift in the polar summer mesosphere. <i>Journal of Geophysical Research</i> , 1992 , 97, 887	12
1	On the role of charged aerosols in polar mesosphere summer echoes. <i>Journal of Geophysical Research</i> , 1992 , 97, 875	160