Timothy M Hall

List of Publications by Year
in descending order

46 papers	3,434 citations	201674 27 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	3118 citing authors

#	Article	IF	Citations
1	Coastal marshes provide valuable protection for coastal communities from storm-induced wave, flood, and structural loss in a changing climate. Scientific Reports, 2022, 12, 3051.	3.3	7
2	Hurricane stalling along the North American coast and implications for rainfall. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	73
3	Pacific Hurricane Landfalls on Mexico and SST. Journal of Applied Meteorology and Climatology, 2017, 56, 667-676.	1.5	3
4	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. Journal of Climate, 2017, 30, 5329-5343.	3.2	10
5	Human influence on tropical cyclone intensity. Science, 2016, 353, 242-246.	12.6	286
6	Extreme Weather and Climate: Workshop Report. Journal of Extreme Events, 2016, 03, 1671001.	1.1	0
7	The frequency and duration of U.S. hurricane droughts. Geophysical Research Letters, 2015, 42, 3482-3485.	4.0	25
8	ENSO Effect on East Asian Tropical Cyclone Landfall via Changes in Tracks and Genesis in a Statistical Model. Journal of Applied Meteorology and Climatology, 2014, 53, 406-420.	1.5	28
9	North American Tropical Cyclone Landfall and SST: A Statistical Model Study. Journal of Climate, 2013, 26, 8422-8439.	3.2	34
10	On the impact angle of Hurricane Sandy's New Jersey landfall. Geophysical Research Letters, 2013, 40, 2312-2315.	4.0	79
11	A Statistical Model of Tropical Cyclone Tracks in the Western North Pacific with ENSO-Dependent Cyclogenesis. Journal of Applied Meteorology and Climatology, 2011, 50, 1725-1739.	1.5	62
12	Idealized tracer transport models with time-varying transport: applications to ocean boundary currents. Environmental Fluid Mechanics, 2010, 10, 235-255.	1.6	3
13	Temporal variations and trends of CFC11 and CFC12 surface-water saturations in Antarctic marginal seas: Results of a regional ocean circulation model. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 175-198.	1.4	7
14	Tropospheric transport climate partitioned by surface origin and transit time. Journal of Geophysical Research, 2008, 113, .	3.3	10
15	Comparison of Local and Basinwide Methods for Risk Assessment of Tropical Cyclone Landfall. Journal of Applied Meteorology and Climatology, 2008, 47, 361-367.	1.5	28
16	Ventilation Rates Estimated from Tracers in the Presence of Mixing. Journal of Physical Oceanography, 2007, 37, 2599-2611.	1.7	26
17	Low-level transpacific transport. Journal of Geophysical Research, 2007, 112, .	3.3	19
18	Statistical modelling of North Atlantic tropical cyclone tracks. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 486-498.	1.7	152

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19	Statistical modelling of North Atlantic tropical cyclone tracks. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, , .	1.7	3
20	Propagation of Tracer Signals in Boundary Currents. Journal of Physical Oceanography, 2005, 35, 1538-1552.	1.7	23
21	Seasonality and weather-driven variability of transpacific transport. Journal of Geophysical Research, 2005, 110, .	3.3	47
22	Separating the natural and anthropogenic air-sea flux of CO2: The Indian Ocean. Geophysical Research Letters, 2004, 31, .	4.0	7
23	Tracer age symmetry in advectiveâ€“diffusive flows. Journal of Marine Systems, 2004, 48, 51-59.	2.1	9
24	Estimates of anthropogenic carbon in the Indian Ocean with allowance for mixing and time-varying air-sea CO2disequilibrium. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	65
25	Transport times and anthropogenic carbon in the subpolar North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 1475-1491.	1.4	131
26	Advective-diffusive mass flux and implications for stratosphere-troposphere exchange. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	30
27	Relationships among tracer ages. Journal of Geophysical Research, 2003, 108, .	3.3	168
28	On Ocean Transport Diagnostics: The Idealized Age Tracer and the Age Spectrum. Journal of Physical Oceanography, 2002, 32, 1987-1991.	1.7	38
29	Transit time distributions in Lake Issyk-Kul. Geophysical Research Letters, 2002, 29, 84-1-84-4.	4.0	33
30	Age of stratospheric air: Theory, observations, and models. Reviews of Geophysics, 2002, 40, 1-1.	23.0	553
31	Inferring the concentration of anthropogenic carbon in the ocean from tracers. Global Biogeochemical Cycles, 2002, 16, 78-1-78-15.	4.9	102
32	A Generalized Transport Theory: Water-Mass Composition and Age. Journal of Physical Oceanography, 2002, 32, 1932-1946.	1.7	136
33	Transit-Time and Tracer-Age Distributions in Geophysical Flows. Journals of the Atmospheric Sciences, 2000, 57, 3539-3558.	1.7	179
34	Path histories and timescales in stratospheric transport: Analysis of an idealized model. Journal of Geophysical Research, 2000, 105, 22811-22823.	3.3	18
35	Stratospheric residence time and its relationship to mean age. Journal of Geophysical Research, 2000, 105, 6773-6782.	3.3	30
36	Evaluation of transport in stratospheric models. Journal of Geophysical Research, 1999, 104, 18815-18839.	3.3	175

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37	Influence of nonlocal chemistry on tracer distributions: Inferring the mean age of air from SF6. Journal of Geophysical Research, 1998, 103, 13327-13336.	3.3	40
38	Tracer transport in the tropical stratosphere due to vertical diffusion and horizontal mixing. Geophysical Research Letters, 1997, 24, 1383-1386.	4.0	53
39	Timescales for the stratospheric circulation derived from tracers. Journal of Geophysical Research, 1997, 102, 8991-9001.	3.3	57
40	The Sensitivity of African Wave Disturbances to Remote Forcing. Journal of Applied Meteorology and Climatology, 1996, 35, 1100-1110.	1.7	19
41	Seasonal evolutions of N2O, O3, and CO2: Three-dimensional simulations of stratospheric correlations. Journal of Geophysical Research, 1995, 100, 16699.	3.3	42
42	Age as a diagnostic of stratospheric transport. Journal of Geophysical Research, 1994, 99, 1059.	3.3	364
43	Studies of African Wave Disturbances with the GISS GCM. Journal of Climate, 1994, 7, 261-276.	3.2	21
44	Simulations of the trend and annual cycle in stratospheric CO₂. Journal of Geophysical Research, 1993, 98, 10573-10581.	3.3	49
45	A reâ€evaluation of the Stokes drift in the polar summer mesosphere. Journal of Geophysical Research, 1992, 97, 887-897.	3.3	13
46	On the role of charged aerosols in polar mesosphere summer echoes. Journal of Geophysical Research, 1992, 97, 875-886.	3.3	177