Po-Hsiung Lin

List of Publications by Year
in descending order

36	980	394286	434063
papers	citations	19 h-index	31 g-index

37	37	37	1092
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeted Observations of Tropical Cyclone Movement Based on the Adjoint-Derived Sensitivity Steering Vector. Journals of the Atmospheric Sciences, 2007, 64, 2611-2626.	0.6	115
2	The Impact of Dropwindsonde Data on Typhoon Track Forecasts in DOTSTAR. Weather and Forecasting, 2007, 22, 1157-1176.	0.5	101
3	The Influence of Assimilating Dropsonde Data on Typhoon Track and Midlatitude Forecasts. Monthly Weather Review, 2011, 139, 908-920.	0.5	89
4	The Impact of Dropwindsonde Observations on Typhoon Track Forecasts in DOTSTAR and T-PARC. Monthly Weather Review, 2011, 139, 1728-1743.	0.5	71
5	Biogenic isoprene in subtropical urban settings and implications forÂair quality. Atmospheric Environment, 2013, 79, 369-379.	1.9	53
6	The Eyewall-Penetration Reconnaissance Observation of Typhoon Longwang (2005) with Unmanned Aerial Vehicle, Aerosonde. Journal of Atmospheric and Oceanic Technology, 2008, 25, 15-25.	0.5	35
7	Interaction of Typhoon Shanshan (2006) with the Midlatitude Trough from both Adjoint-Derived Sensitivity Steering Vector and Potential Vorticity Perspectives. Monthly Weather Review, 2009, 137, 852-862.	0.5	33
8	A Comparison of Two Heavy Rainfall Events during the Terrain-Influenced Monsoon Rainfall Experiment (TiMREX) 2008. Monthly Weather Review, 2014, 142, 2436-2463.	0.5	33
9	Experimental investigation of ozone accumulation overnight during a wintertime ozone episode in south Taiwan. Atmospheric Environment, 2004, 38, 4267-4278.	1.9	32
10	Columnar optical properties of tropospheric aerosol by combined lidar and sunphotometer measurements at Taipei, Taiwan. Atmospheric Environment, 2009, 43, 2700-2708.	1.9	32
11	GIS-based Tests for Quality Control of Meteorological Data and Spatial Interpolation of Climate Data. Mountain Research and Development, 2009, 29, 339-349.	0.4	32
12	Quality-Controlled Upper-Air Sounding Dataset for TiMREX/SoWMEX: Development and Corrections. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1802-1821.	0.5	27
13	Parameterization of topographic effect on surface solar radiation. Journal of Geophysical Research, 2010, 115, .	3.3	27
14	Potential Vorticity Diagnosis of the Factors Affecting the Track of Typhoon Sinlaku (2008) and the Impact from Dropwindsonde Data during T-PARC. Monthly Weather Review, 2012, 140, 2670-2688.	0.5	23
15	Enhancement of the hygroscopicity parameter kappa of rural aerosols in northern Taiwan by anthropogenic emissions. Atmospheric Environment, 2014, 84, 78-87.	1.9	23
16	Effects of aerosols on the surface solar radiation in a tropical urban area. Journal of Geophysical Research, 2006, 111, .	3.3	22
17	OBSERVATIONS: The First Successful Typhoon Eyewall-Penetration Reconnaissance Flight Mission Conducted by the Unmanned Aerial Vehicle, Aerosonde. Bulletin of the American Meteorological Society, 2006, 87, 1481-1483.	1.7	22
18	Comparison of MODIS land surface temperature and ground-based observed air temperature in complex topography. International Journal of Remote Sensing, 2012, 33, 7685-7702.	1.3	21

#	Article	IF	Citations
19	Driftsondes: Providing In Situ Long-Duration Dropsonde Observations over Remote Regions. Bulletin of the American Meteorological Society, 2013, 94, 1661-1674.	1.7	20
20	Vertical ozone distributions observed using tethered ozonesondes in a coastal industrial city, Kaohsiung, in southern Taiwan. Environmental Monitoring and Assessment, 2007, 127, 253-270.	1.3	18
21	Ideological and volume politics behind cloud water resource governance â€“ Weather modification in China. Geoforum, 2017, 85, 225-233.	1.4	18
22	Analyses of FORMOSATâ€3/COSMIC humidity retrievals and comparisons with AIRS retrievals and NCEP/NCAR reanalyses. Journal of Geophysical Research, 2009, 114, .	3.3	17
23	Controlling synopticâ€scale factors for the distribution of transient luminous events. Journal of Geophysical Research, 2010, 115, .	3.3	17
24	Spatio-Temporal Variation and Monsoon Effect on the Temperature Lapse Rate of a Subtropical Island. Terrestrial, Atmospheric and Oceanic Sciences, 2014, 25, 203.	0.3	17
25	Validation of QuikSCAT wind vectors by dropwindsonde data from Dropwindsonde Observations for Typhoon Surveillance Near the Taiwan Region (DOTSTAR). Journal of Geophysical Research, 2010, 115, .	3.3	15
26	Water vapor variability and comparisons in the subtropical Pacific from The Observing System Research and Predictability Experimentâ€Pacific Asian Regional Campaign (Tâ€PARC) Driftsonde, Constellation Observing System for Meteorology, Ionosphere, and Climate (COSMIC), and reanalyses. Journal of Geophysical Research, 2010, 115, .	3.3	13
27	Impact of sea breeze air masses laden with ozone on inland surface ozone concentrations: A case study of the northern coast of Taiwan. Journal of Geophysical Research, 2007, 112, .	3.3	10
28	Stratospheric influence on the concentration and seasonal cycle of lower tropospheric ozone: Observation at Mount Hehuan, Taiwan. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3527-3536.	1.2	9
29	Observing System Simulation Experiment: Development of the system and preliminary results. Journal of Geophysical Research, 2011, 116, .	3.3	8
30	A novel thermal index improves prediction of vegetation zones: Associating temperature sum with thermal seasonality. Ecological Indicators, 2012, 23, 668-674.	2.6	6
31	Coldness index does not indicate the upper limit of evergreen broad-leaved forest on a subtropical island. Journal of Forest Research, 2014, 19, 115-124.	0.7	6
32	Radio Occultation Retrieval of Atmospheric Profiles from the FORMOSAT-3/COSMIC Mission: Early Results. Terrestrial, Atmospheric and Oceanic Sciences, 2009, 20, 21.	0.3	3
33	Vertical variability of thermal comfort in urban areas: The example of Taipei 101. Meteorologische Zeitschrift, 2013, 22, 753-759.	0.5	3
34	An Overview of Low-Level Jets (LLJs) and Their Roles in Heavy Rainfall over the Taiwan Area during the Early Summer Rainy Season. Meteorology, 2022, 1, 64-112.	0.6	3
35	Correlation between aerosol optical depth derived from CIMEL sunphotometer and surface particulate concentration in Northern and Southern Taiwan. , 2006, , .		1
36	Notice of Retraction: Aerodynamic derivatives and wind field estimation in a flight accident involving cross wind. , 2010, , .		1