I-I Lin

List of Publications by Year
in descending order

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81 papers	6,212 citations	61984 43 h-index	69250 77 g-index
83 all docs	83 docs citations	83 times ranked	6194 citing authors

#	Article	IF	Citations
1	New evidence for enhanced ocean primary production triggered by tropical cyclone. Geophysical Research Letters, 2003, 30, .	4.0	392
2	The Interaction of Supertyphoon Maemi (2003) with a Warm Ocean Eddy. Monthly Weather Review, 2005, 133, 2635-2649.	1.4	304
3	Upper-Ocean Thermal Structure and the Western North Pacific Category 5 Typhoons. Part I: Ocean Features and the Category 5 Typhoonsâ€™ Intensification. Monthly Weather Review, 2008, 136, 3288-3306.	1.4	276
4	Sources, solubility, and dry deposition of aerosol trace elements over the East China Sea. Marine Chemistry, 2010, 120, 116-127.	2.3	240
5	Warm ocean anomaly, air sea fluxes, and the rapid intensification of tropical cyclone Nargis (2008). Geophysical Research Letters, 2009, 36, .	4.0	205
6	Typhoon-Ocean Interaction in the Western North Pacific: Part 1. Oceanography, 2011, 24, 24-31.	1.0	188
7	An ocean coupling potential intensity index for tropical cyclones. Geophysical Research Letters, 2013, 40, 1878-1882.	4.0	170
8	State of the Climate in 2018. Bulletin of the American Meteorological Society, 2019, 100, Si-S306.	3.3	168
9	Upper-Ocean Thermal Structure and the Western North Pacific Category 5 Typhoons. Part II: Dependence on Translation Speed. Monthly Weather Review, 2009, 137, 3744-3757.	1.4	163
10	The Effect of the Ocean Eddy on Tropical Cyclone Intensity. Journals of the Atmospheric Sciences, 2007, 64, 3562-3578.	1.7	158
11	A unique seasonal pattern in phytoplankton biomass in low-latitude waters in the South China Sea. Geophysical Research Letters, 2005, 32, .	4.0	151
12	State of the Climate in 2015. Bulletin of the American Meteorological Society, 2016, 97, Si-S275.	3.3	142
13	State of the Climate in 2013. Bulletin of the American Meteorological Society, 2014, 95, S1-S279.	3.3	138
14	Applications of Satellite-Derived Ocean Measurements to Tropical Cyclone Intensity Forecasting. Oceanography, 2009, 22, 190-197.	1.0	136
15	State of the Climate in 2010. Bulletin of the American Meteorological Society, 2011, 92, S1-S236.	3.3	135
16	Typhoonâ€induced phytoplankton blooms and primary productivity increase in the western North Pacific subtropical ocean. Journal of Geophysical Research, 2012, 117, .	3.3	133
17	State of the Climate in 2016. Bulletin of the American Meteorological Society, 2017, 98, Si-S280.	3.3	132
18	State of the Climate in 2012. Bulletin of the American Meteorological Society, 2013, 94, S1-S258.	3.3	129

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19	Impact of Typhoons on the Ocean in the Pacific. Bulletin of the American Meteorological Society, 2014, 95, 1405-1418.	3.3	129
20	Effects of cold eddy on phytoplankton production and assemblages in Luzon strait bordering the South China Sea. Journal of Oceanography, 2007, 63, 671-683.	1.7	126
21	Satellite observations of modulation of surface winds by typhoon-induced upper ocean cooling. Geophysical Research Letters, 2003, 30, .	4.0	125
22	State of the Climate in 2009. Bulletin of the American Meteorological Society, 2010, 91, s1-s222.	3.3	121
23	State of the Climate in 2011. Bulletin of the American Meteorological Society, 2012, 93, S1-S282.	3.3	121
24	â€œCategoryâ€6â€•supertyphoon Haiyan in global warming hiatus: Contribution from subsurface ocean warming. Geophysical Research Letters, 2014, 41, 8547-8553.	4.0	121
25	Eastern Pacific tropical cyclones intensified by El NiÃ±o delivery of subsurface ocean heat. Nature, 2014, 516, 82-85.	27.8	115
26	Recent decrease in typhoon destructive potential and global warming implications. Nature Communications, 2015, 6, 7182.	12.8	113
27	Aerosol input to the South China Sea: Results from the MODerate Resolution Imaging Spectro-radiometer, the Quick Scatterometer, and the Measurements of Pollution in the Troposphere Sensor. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 1589-1601.	1.4	103
28	Ocean heat content for tropical cyclone intensity forecasting and its impact on storm surge. Natural Hazards, 2013, 66, 1481-1500.	3.4	98
29	Change in ocean subsurface environment to suppress tropical cyclone intensification under global warming. Nature Communications, 2015, 6, 7188.	12.8	91
30	IN BOX. Bulletin of the American Meteorological Society, 2005, 86, 787-794.	3.3	84
31	State of the Climate in 2014. Bulletin of the American Meteorological Society, 2015, 96, ES1-ES32.	3.3	78
32	Yangtze River floods enhance coastal ocean phytoplankton biomass and potential fish production. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	75
33	Tropical Cycloneâ€“Induced Ocean Response: A Comparative Study of the South China Sea and Tropical Northwest Pacific*,+. Journal of Climate, 2015, 28, 5952-5968.	3.2	75
34	Enhanced primary production in the oligotrophic South China Sea by eddy injection in spring. Geophysical Research Letters, 2010, 37, .	4.0	65
35	Validation and Application of Altimetry-Derived Upper Ocean Thermal Structure in the Western North Pacific Ocean for Typhoon-Intensity Forecast. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1616-1630.	6.3	64
36	High wintertime particulate matter pollution over an offshore island (Kinmen) off southeastern China: An overview. Journal of Geophysical Research, 2010, 115, .	3.3	64

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37	Fertilization potential of volcanic dust in the low-nutrient low-chlorophyll western North Pacific subtropical gyre: Satellite evidence and laboratory study. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	64
38	Recent increase in high tropical cyclone heat potential area in the Western North Pacific Ocean. Geophysical Research Letters, 2013, 40, 4680-4684.	4.0	61
39	Slow translation speed causes rapid collapse of northeast Pacific Hurricane Kenneth over cold core eddy. Geophysical Research Letters, 2014, 41, 7595-7601.	4.0	61
40	The significance of phytoplankton photo-adaptation and benthicâ€“pelagic coupling to primary production in the South China Sea: Observations and numerical investigations. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 1546-1574.	1.4	54
41	State of the Climate in 2020. Bulletin of the American Meteorological Society, 2021, 102, S1-S475.	3.3	54
42	Tropical cycloneâ€•ocean interaction in Typhoon Megi (2010)â€”A synergy study based on ITOP observations and atmosphereâ€•ocean coupled model simulations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 153-167.	3.3	52
43	Typhoon-Ocean Interaction in the Western North Pacific: Part 2. Oceanography, 2011, 24, 32-41.	1.0	51
44	Modeled Oceanic Response and Sea Surface Cooling to Typhoon Kai-Tak. Terrestrial, Atmospheric and Oceanic Sciences, 2010, 21, 85.	0.6	47
45	A Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Ocean. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1114-1117.	3.1	42
46	Observations of the cold wake of Typhoon Fanapi (2010). Geophysical Research Letters, 2013, 40, 316-321.	4.0	40
47	Impacts of typhoon megi (2010) on the South China Sea. Journal of Geophysical Research: Oceans, 2014, 119, 4474-4489.	2.6	33
48	Influence of the Size of Supertyphoon Megi (2010) on SST Cooling. Monthly Weather Review, 2018, 146, 661-677.	1.4	33
49	Aerosol impact on the South China Sea biogeochemistry: An early assessment from remote sensing. Geophysical Research Letters, 2009, 36, .	4.0	32
50	Ocean Observations in Support of Studies and Forecasts of Tropical and Extratropical Cyclones. Frontiers in Marine Science, 2019, 6, .	2.5	31
51	The Impact of a Warm Ocean Eddy on Typhoon Morakot (2009): A Preliminary Study from Satellite Observations and Numerical Modelling. Terrestrial, Atmospheric and Oceanic Sciences, 2011, 22, 661.	0.6	28
52	Improvements in Typhoon Intensity Change Classification by Incorporating an Ocean Coupling Potential Intensity Index into Decision Trees*,+. Weather and Forecasting, 2016, 31, 95-106.	1.4	28
53	Spectral irradiance profiles of suspended marine clay for the estimation of suspended sediment concentration in tropical waters. International Journal of Remote Sensing, 2003, 24, 3235-3245.	2.9	27
54	Rapid Intensification of Typhoon Hato (2017) over Shallow Water. Sustainability, 2019, 11, 3709.	3.2	27

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55	An ERS-1 synthetic aperture radar image of a tropical squall line compared with weather radar data. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 937-945.	6.3	25
56	Evidence and quantification of the correlation between radar backscatter and ocean colour supported by simultaneously acquired in situ sea truth. Geophysical Research Letters, 2002, 29, 102-1-102-4.	4.0	24
57	New generation of satellite-derived ocean thermal structure for the western north pacific typhoon intensity forecasting. Progress in Oceanography, 2014, 121, 109-124.	3.2	24
58	Application of Spectral Signatures and Colour Ratios to Estimate Chlorophyll in Singapore's Coastal Waters. Estuarine, Coastal and Shelf Science, 2002, 55, 719-728.	2.1	20
59	A note on reviving the Goddard Satellite-based Surface Turbulent Fluxes (GSSTF) dataset. Advances in Atmospheric Sciences, 2009, 26, 1071-1080.	4.3	19
60	Airâ€sea fluxes for <scp>H</scp>urricane <scp>P</scp>atricia (2015): Comparison with supertyphoon <scp>H</scp>aiyan (2013) and under different <scp>ENSO</scp> conditions. Journal of Geophysical Research: Oceans, 2017, 122, 6076-6089.	2.6	19
61	Atmospheric Fronts along the East Coast of Taiwan Studied by ERS Synthetic Aperture Radar Images. Journals of the Atmospheric Sciences, 2007, 64, 922-937.	1.7	17
62	A Long Neglected Damper in the El NiÃ±oâ€"Typhoon Relationship: a â€˜Gaia-Likeâ€™ Process. Scientific Reports, 2015, 5, 11103.	3.3	17
63	A Tale of Two Rapidly Intensifying Supertyphoons: Hagibis (2019) and Haiyan (2013). Bulletin of the American Meteorological Society, 2021, 102, E1645-E1664.	3.3	17
64	Different controls of tropical cyclone activity in the Eastern Pacific for two types of El NiÃ±o. Geophysical Research Letters, 2016, 43, 1679-1686.	4.0	15
65	Study of the effects of suspended marine clay on the reflectance spectra of phytoplankton. International Journal of Remote Sensing, 2002, 23, 2163-2178.	2.9	12
66	Influence of Oceanic Intraseasonal Kelvin Waves on Eastern Pacific Hurricane Activity. Journal of Climate, 2016, 29, 7941-7955.	3.2	11
67	The Association of Typhoon Intensity Increase with Translation Speed Increase in the South China Sea. Sustainability, 2020, 12, 939.	3.2	11
68	On the Origin of Atmospheric Frontal Lines off the East Coast of Taiwan Observed on Spaceborne Synthetic Aperture Radar Images. Monthly Weather Review, 2010, 138, 475-496.	1.4	10
69	Modes of hurricane activity variability in the eastern Pacific: Implications for the 2016 season. Geophysical Research Letters, 2016, 43, 11,358.	4.0	9
70	Impacts of Tides and Typhoon Fanapi (2010) on Seas Around Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 261-280.	0.6	9
71	First evidence for the detection of natural surface films by the QuikSCAT scatterometer. Geophysical Research Letters, 2003, 30, .	4.0	7
72	Jin et al. reply. Nature, 2015, 526, E5-E6.	27.8	6

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73	The Tropics. Bulletin of the American Meteorological Society, 2020, 101, S185-S238.	3.3	4
74	Changes in local oceanographic and atmospheric conditions shortly after the 2004 Indian Ocean tsunami. Ocean Dynamics, 2015, 65, 905-918.	2.2	3
75	Observations of the cold wake of Typhoon Fanapi (2010). Geophysical Research Letters, 2013, , n/a-n/a.	4.0	2
76	Atmospheric fronts off the east coast of Taiwan studied by ERS synthetic aperture radar imagery. , 0, , .		1
77	The Tropics. Bulletin of the American Meteorological Society, 2021, 102, S199-S262.	3.3	1
78	A New Fractal Texture Classification Of Cloud And Ice Cap Surface Features From Landsat Imagery. , 0, , .		0
79	Spatial texture in AirSAR images of the Greenland ice sheet. , 0, , .		0
80	Tropical algal bloom monitoring by sea truth, spectral, and simulated satellite data. , 0, , .		0
81	Correction to â€œA Neural Network Approach to Estimate Tropical Cyclone Heat Potential in the Indian Oceanâ€•[Nov 12 1114-1117]. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 642-642.	3.1	0