

# Fredolin T Tangang

## List of Publications by Year in descending order

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111  
papers

3,876  
citations

117625

34  
h-index

138484

58  
g-index

112  
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112  
docs citations

112  
times ranked

3539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change impact on sea surface winds in Southeast Asia. <i>International Journal of Climatology</i> , 2022, 42, 3571-3595.	3.5	5
2	Index-based insurance and hydroclimatic risk management in agriculture: A systematic review of index selection and yield-index modelling methods. <i>International Journal of Disaster Risk Reduction</i> , 2022, 67, 102653.	3.9	20
3	Climatological Features of Squall Line at the Borneo Coastline during Southwest Monsoon. <i>Atmosphere</i> , 2022, 13, 116.	2.3	2
4	Land " sea contrast of diurnal cycle characteristics and rain event propagations over Sumatra according to different rain duration and seasons. <i>Atmospheric Research</i> , 2022, 270, 106051.	4.1	16
5	Characteristics of Precipitation Diurnal Cycle over a Mountainous Area of Sumatra Island including MJO and Seasonal Signatures Based on the 15-Year Optical Rain Gauge Data, WRF Model and IMERG. <i>Atmosphere</i> , 2022, 13, 63.	2.3	8
6	The Malay-Version Knowledge, Risk Perception, Attitude and Practice Questionnaire on Heatwaves: Development and Construct Validation. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2279.	2.6	4
7	Delineation of urban expansion influences urban heat islands and natural environment using remote sensing and GIS-based in industrial area. <i>Environmental Science and Pollution Research</i> , 2022, 29, 73147-73170.	5.3	10
8	Projected mean and extreme precipitation based on bias-corrected simulation outputs of CORDEX Southeast Asia. <i>Weather and Climate Extremes</i> , 2022, 37, 100484.	4.1	7
9	Climate analogue and future appearance of novel climate in Southeast Asia. <i>International Journal of Climatology</i> , 2021, 41, E392.	3.5	16
10	Changes in temperature extremes and their relationship with ENSO in Malaysia from 1985 to 2018. <i>International Journal of Climatology</i> , 2021, 41, E2564.	3.5	27
11	Time of emergence of climate signals over Vietnam detected from the CORDEX SEA experiments. <i>International Journal of Climatology</i> , 2021, 41, 1599-1618.	3.5	7
12	Diurnal variation of precipitation from the perspectives of precipitation amount, intensity and duration over Sumatra from rain gauge observations. <i>International Journal of Climatology</i> , 2021, 41, 4386-4397.	3.5	23
13	Climatological characterization of tropical cyclones detected in the regional climate simulations over the CORDEX SEA domain. <i>International Journal of Climatology</i> , 2021, 41, 4236-4252.	3.5	5
14	Projected evolution of drought characteristics in Vietnam based on CORDEX SEA downscaled CMIP5 data. <i>International Journal of Climatology</i> , 2021, 41, 5733-5751.	3.5	9
15	Global exposure of population and land use to meteorological droughts under different warming levels and SSPs: A CORDEX-based study. <i>International Journal of Climatology</i> , 2021, 41, 6825-6853.	3.5	26
16	Improvement of the ESA CCI Land cover maps for water balance analysis in tropical regions: A case study in the Muda River Basin, Malaysia. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100837.	2.4	6
17	Drought Variability and Characteristics in the Muda River Basin of Malaysia from 1985 to 2019. <i>Atmosphere</i> , 2021, 12, 1210.	2.3	14
18	Progress in Climate Change Downscaling Simulations in Southeast Asia. , 2021, , 13-36.		1

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19	The Impact of Meteorological Factors on Communicable Disease Incidence and Its Projection: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11117.	2.6	9
20	Seasonal Dependence of Cold Surges and their Interaction with the Madden-Julian Oscillation over Southeast Asia. <i>Journal of Climate</i> , 2020, 33, 2467-2482.	3.2	28
21	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020, 33, 3635-3661.	3.2	230
22	SouthEast Asia Hydro-meteorological drought (SEA-HOT) framework: A case study in the Kelantan River Basin, Malaysia. <i>Atmospheric Research</i> , 2020, 246, 105155.	4.1	17
23	Daily spectral ocean surface albedo (OSA) parameterization in case of clearness index (Kt) and phytoplankton variability in Malacca Strait. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 244, 106939.	2.1	1
24	Differential Influences of Teleconnections from the Indian and Pacific Oceans on Rainfall Variability in Southeast Asia. <i>Atmosphere</i> , 2020, 11, 886.	2.3	21
25	Diurnal rainfall variability in West Sumatra from rain gauge observation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
26	Multi-model projections of precipitation extremes in Southeast Asia based on CORDEX-Southeast Asia simulations. <i>Environmental Research</i> , 2020, 184, 109350.	7.5	72
27	Projected future changes in rainfall in Southeast Asia based on CORDEX-SEA multi-model simulations. <i>Climate Dynamics</i> , 2020, 55, 1247-1267.	3.8	102
28	Evaluation of Gridded Precipitation Datasets in Malaysia. <i>Remote Sensing</i> , 2020, 12, 613.	4.0	39
29	Future projections of Malaysia daily precipitation characteristics using bias correction technique. <i>Atmospheric Research</i> , 2020, 240, 104926.	4.1	19
30	Extreme Rainfall Projections for Malaysia at the End of 21st Century Using the High Resolution Non-Hydrostatic Regional Climate Model (NHRCM). <i>Scientific Online Letters on the Atmosphere</i> , 2020, 16, 132-139.	1.4	8
31	Madden Julian oscillation modulation for surface ozone in Peninsular Malaysia. <i>Atmospheric Environment</i> , 2020, 233, 117577.	4.1	3
32	Projected future changes in mean precipitation over Thailand based on multi-model regional climate simulations of CORDEX Southeast Asia. <i>International Journal of Climatology</i> , 2019, 39, 5413-5436.	3.5	39
33	Future hydro-meteorological drought of the Johor River Basin, Malaysia, based on CORDEX-SEA projections. <i>Hydrological Sciences Journal</i> , 2019, 64, 921-933.	2.6	30
34	An objective definition of summer monsoon onset in the northwestern maritime continent. <i>International Journal of Climatology</i> , 2019, 39, 4313-4328.	3.5	4
35	Application of Quantile Mapping Bias Correction for Mid-Future Precipitation Projections over Vietnam. <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 1-6.	1.4	38
36	Klimatologi Hujan Diurnal dan Bayu Laut-Darat di Semenanjung Malaysia. <i>Sains Malaysiana</i> , 2019, 48, 509-522.	0.5	1

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37	Prediction Skill of NCEP CFSv2 for Seasonal Precipitation and Surface Air Temperature Forecast over Southeast Asia. <i>Sains Malaysiana</i> , 2019, 48, 2325-2334.	0.5	1
38	Practical Predictability of the 17 December 2014 Heavy Rainfall Event over East Coast of Peninsular Malaysia using WRF Model. <i>Sains Malaysiana</i> , 2019, 48, 2297-2306.	0.5	2
39	Providing future climate projections using multiple models and methods: insights from the Philippines. <i>Climatic Change</i> , 2018, 148, 187-203.	3.6	16
40	Impact of regional haze towards air quality in Malaysia: A review. <i>Atmospheric Environment</i> , 2018, 177, 28-44.	4.1	143
41	Investigating the mechanisms of diurnal rainfall variability over Peninsular Malaysia using the non-hydrostatic regional climate model. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 611-633.	2.0	14
42	Performances of BATS and CLM land-surface schemes in RegCM4 in simulating precipitation over CORDEX Southeast Asia domain. <i>International Journal of Climatology</i> , 2018, 38, 794-810.	3.5	27
43	ENSO modulation of seasonal rainfall and extremes in Indonesia. <i>Climate Dynamics</i> , 2018, 51, 2559-2580.	3.8	97
44	Future changes in annual precipitation extremes over Southeast Asia under global warming of 2°C. <i>APN Science Bulletin</i> , 2018, 8, .	0.7	54
45	Prediction of salinity intrusion in the sheltered estuary of Terengganu River in Malaysia using 1-D empirical intrusion model. <i>Acta Oceanologica Sinica</i> , 2017, 36, 57-66.	1.0	10
46	Sensitivity of temperature to physical parameterization schemes of RegCM4 over the CORDEX Southeast Asia region. <i>International Journal of Climatology</i> , 2017, 37, 5139-5153.	3.5	43
47	Characteristics of precipitation extremes in Malaysia associated with El Niño and La Niña events. <i>International Journal of Climatology</i> , 2017, 37, 696-716.	3.5	58
48	Bias correction of global and regional simulated daily precipitation and surface mean temperature over Southeast Asia using quantile mapping method. <i>Global and Planetary Change</i> , 2017, 149, 79-90.	3.5	78
49	Performance evaluation of RegCM4 in simulating extreme rainfall and temperature indices over the CORDEX Southeast Asia region. <i>International Journal of Climatology</i> , 2017, 37, 1634-1647.	3.5	88
50	Observed changes in extreme temperature and precipitation over Indonesia. <i>International Journal of Climatology</i> , 2017, 37, 1979-1997.	3.5	106
51	Spatiotemporal trends in the southwest monsoon wind-driven upwelling in the southwestern part of the South China Sea. <i>PLoS ONE</i> , 2017, 12, e0171979.	2.5	23
52	Validation of the WRF regional climate model over the subregions of Southeast Asia: climatology and interannual variability. <i>Climate Research</i> , 2017, 71, 263-280.	1.1	21
53	Utilization of Wind Steadiness Index for Identification of Malaysian Northeast Monsoon Onset and Withdrawal from 2011 to 2015. <i>Advanced Science Letters</i> , 2017, 23, 1440-1443.	0.2	0
54	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 4087-4095.	3.6	286

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55	Variability of GPS water vapor associated with warming activity in Peninsular Malaysia during the period of 2008–2011. <i>Journal of Water and Climate Change</i> , 2016, 7, 240-250.	2.9	1
56	Seasonal Hypoxia Occurrence At Terengganu Estuary, Malaysia And its Potential Formation Mechanisms. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 136, 012068.	0.6	1
57	Modeling the Influence of River Flow and Salt Water Intrusion in the Terengganu Estuary, Malaysia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 136, 012076.	0.6	2
58	Projected rainfall and temperature changes over Malaysia at the end of the 21st century based on PRECIS modelling system. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2016, 52, 191-208.	2.3	25
59	Regional climate downscaling over Asia-Pacific region. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2016, 52, 77-77.	2.3	2
60	Spatio-temporal characteristics of temperature and precipitation extremes in Indonesian Borneo. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
61	Sensitivity of Southeast Asia rainfall simulations to cumulus and air-sea flux parameterizations in RegCM4. <i>Climate Research</i> , 2016, 69, 59-77.	1.1	65
62	Skill evaluation of the CanCM4 and its MOS for seasonal rainfall forecast in Malaysia during the early and late winter monsoon periods. <i>International Journal of Climatology</i> , 2016, 36, 439-454.	3.5	4
63	Simulation of upper Kuantan River basin streamflow using SWAT model. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1
64	Simulation of surface temperature in Southeast Asia during the Southeast Asian southwest monsoon using RegCM4. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
65	Initial observations of cold surge frequency over Southeast Asia in relation to ENSO-induced anomalies. , 2015, , .		0
66	Identification of biophysical regions in the south-western part of the Okhotsk Sea by satellite imagery classification. <i>Continental Shelf Research</i> , 2015, 96, 16-26.	1.8	2
67	Wave energy potential assessment in the central and southern regions of the South China Sea. <i>Renewable Energy</i> , 2015, 80, 454-470.	8.9	59
68	Thermal frontal zone along the east coast of Peninsular Malaysia. <i>Continental Shelf Research</i> , 2015, 110, 1-15.	1.8	24
69	A Preliminary Study of Cold Surges and Precipitation During the Northeast Monsoon Season Over Malaysia. <i>Advanced Science Letters</i> , 2015, 21, 185-188.	0.2	1
70	Evidence of Upwelling along Peninsular Malaysia during Southwest Monsoon. <i>Open Journal of Marine Science</i> , 2015, 05, 273-279.	0.5	32
71	Intermonsoon Variation of Physical Characteristics and Current Circulation along the East Coast of Peninsular Malaysia. <i>International Journal of Oceanography</i> , 2014, 2014, 1-9.	0.2	38
72	Numerical modeling of hydrodynamic in southwestern Johor, Malaysia. , 2014, , .		3

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73	Evaluation of CMIP5 coupled atmosphere-ocean general circulation models over the Southeast Asian winter monsoon in the 20th century. , 2014, , .		0
74	Evaluation of CMIP5 coupled atmosphere-ocean general circulation models and projection of the Southeast Asian winter monsoon in the 21st century. International Journal of Climatology, 2014, 34, 2872-2884.	3.5	46
75	Differential impacts of conventional El Niño versus El Niño Modoki on Malaysian rainfall anomaly during winter monsoon. International Journal of Climatology, 2014, 34, 2763-2774.	3.5	40
76	Modeling storm surges associated with super typhoon durian in South China Sea. Natural Hazards, 2014, 70, 23-37.	3.4	8
77	Present-day regional climate simulation over Malaysia and western Maritime Continent region using PRECIS forced with ERA40 reanalysis. Theoretical and Applied Climatology, 2014, 115, 1-14.	2.8	30
78	Wave energy potential along the east coast of Peninsular Malaysia. Energy, 2014, 68, 722-734.	8.8	49
79	Wave climate simulation for southern region of the South China Sea. Ocean Dynamics, 2013, 63, 961-977.	2.2	44
80	Wind-wave simulation in South China Sea: Preliminary results of model evaluation using different wind forcing. AIP Conference Proceedings, 2013, , .	0.4	3
81	Bimodal Character of Cyclone Climatology in the Bay of Bengal Modulated by Monsoon Seasonal Cycle*. Journal of Climate, 2013, 26, 1033-1046.	3.2	154
82	Characterization of GPS PWV during flooding event over Keningau, Sabah. , 2013, , .		2
83	A study of El Niño-Southern oscillation impacts to the South China Sea region using ground-based GPS receiver. Journal of Physics: Conference Series, 2013, 423, 012043.	0.4	4
84	Projected Precipitation Changes over Malaysia by the End of the 21st Century Using PRECIS Regional Climate Model. , 2013, , 3-20.		6
85	Spatial and Temporal Variations of Coastal Fishing Area by Satellite Imagery Classification. Journal of Fisheries and Aquatic Science, 2013, 8, 581-594.	0.1	0
86	The performance of different cumulus parameterization schemes in simulating the 2006/2007 southern peninsular Malaysia heavy rainfall episodes. Journal of Earth System Science, 2012, 121, 317-327.	1.3	15
87	Numerical simulation of a severe late afternoon thunderstorm over Peninsular Malaysia. Atmospheric Research, 2011, 99, 248-262.	4.1	28
88	Factors influencing the variations of PM10 aerosol dust in Klang Valley, Malaysia during the summer. Atmospheric Environment, 2011, 45, 4370-4378.	4.1	79
89	Seasonal circulations in the Malay Peninsula Eastern continental shelf from a wave-tide-circulation coupled model. Ocean Dynamics, 2011, 61, 1317-1328.	2.2	38
90	Sensitivity of Typhoon Vamei (2001) Simulation to Planetary Boundary Layer Parameterization Using PSU/NCAR MM5. Pure and Applied Geophysics, 2011, 168, 1799-1811.	1.9	7

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91	THE MARITIME CONTINENT MONSOON. World Scientific Series on Asia-Pacific Weather and Climate, 2011, , 85-98.	0.2	51
92	Simulation of heavy precipitation episode over eastern Peninsular Malaysia using MM5: sensitivity to cumulus parameterization schemes. Meteorology and Atmospheric Physics, 2010, 107, 33-49.	2.0	19
93	Long-term trends of winter monsoon synoptic circulations over the maritime continent: 1962-2007. Atmospheric Science Letters, 2010, 11, 199-203.	1.9	26
94	Statistical Downscaling Forecasts for Winter Monsoon Precipitation in Malaysia Using Multimodel Output Variables. Journal of Climate, 2010, 23, 17-27.	3.2	29
95	Spatio-temporal characteristics of PM10 concentration across Malaysia. Atmospheric Environment, 2009, 43, 4584-4594.	4.1	84
96	Level and source of predictability of seasonal rainfall anomalies in Malaysia using canonical correlation analysis. International Journal of Climatology, 2008, 28, 1255-1267.	3.5	17
97	On the roles of the northeast cold surge, the Borneo vortex, the Madden-Julian Oscillation, and the Indian Ocean Dipole during the extreme 2006/2007 flood in southern Peninsular Malaysia. Geophysical Research Letters, 2008, 35, .	4.0	132
98	Numerical case study of an extreme rainfall event during 9-11 December 2004 over the east coast of Peninsular Malaysia. Meteorology and Atmospheric Physics, 2007, 98, 81-98.	2.0	57
99	Simulation of tropical cyclone Vamei (2001) using the PSU/NCAR MM5 model. Meteorology and Atmospheric Physics, 2007, 97, 273-290.	2.0	24
100	Trend and interannual variability of temperature in Malaysia: 1961-2002. Theoretical and Applied Climatology, 2007, 89, 127-141.	2.8	79
101	Evolution of ENSO-related rainfall anomalies in Southeast Asia region and its relationship with atmosphere-ocean variations in Indo-Pacific sector. Climate Dynamics, 2005, 25, 337-350.	3.8	171
102	Predictability of Indian Ocean sea surface temperature using canonical correlation analysis. Climate Dynamics, 2004, 22, 481-497.	3.8	28
103	Mechanisms of Malaysian Rainfall Anomalies. Journal of Climate, 2004, 17, 3616-3622.	3.2	69
104	Low frequency and quasi-biennial oscillations in the Malaysian precipitation anomaly. International Journal of Climatology, 2001, 21, 1199-1210.	3.5	28
105	Skill Comparisons between Neural Networks and Canonical Correlation Analysis in Predicting the Equatorial Pacific Sea Surface Temperatures. Journal of Climate, 2000, 13, 287-293.	3.2	70
106	A potential problem with extended EOF analysis of standing wave fields. Atmosphere - Ocean, 1999, 37, 241-254.	1.6	6
107	Forecasting regional sea surface temperatures in the tropical Pacific by neural network models, with wind stress and sea level pressure as predictors. Journal of Geophysical Research, 1998, 103, 7511-7522.	3.3	45
108	Forecasting ENSO Events: A Neural Network-Extended EOF Approach. Journal of Climate, 1998, 11, 29-41.	3.2	97

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109	Forecasting the equatorial Pacific sea surface temperatures by neural network models. Climate Dynamics, 1997, 13, 135-147.	3.8	91
110	MM5 SIMULATED EVOLUTION AND STRUCTURE OF TYPHOON VAMEI (2001)., 0, , 191-207.		2
111	Potential influence of sea surface temperature representation in climate model simulations over CORDEXâ€œSEA domain. International Journal of Climatology, 0, , .	3.5	1