Taesam Lee

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/52959/publications.pdf

Version: 2024-02-01

72	1,291	394421	395702
papers	citations	19 h-index	33 g-index

85	85	85	1251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatiotemporal characteristics and hydrological implications of downscaled hourly precipitation climate scenarios for South Korea. International Journal of Climatology, 2022, 42, 1253-1266.	3.5	5
2	Safety First? Lessons from the Hapcheon Dam Flood in 2020. Sustainability, 2022, 14, 2975.	3.2	2
3	Temporal downscaling of daily precipitation to 10Âmin data for assessment of climate change impact on floods in small-size watersheds applied to Jinju, South Korea. Climate Dynamics, 2022, 59, 2381-2407.	3.8	1
4	Generating More Hydroelecticity While Ensuring the Safety: Resilience Assessment Study for Bukhangang Watershed in South Korea. Applied Sciences (Switzerland), 2022, 12, 4583.	2.5	2
5	UAV Photogrammetryâ€“Based Flood Early Warning System Applied to Migok-cheon Stream, South Korea. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	1.9	3
6	Regional quantile delta mapping method using regional frequency analysis for regional climate model precipitation. Journal of Hydrology, 2021, 596, 125685.	5.4	17
7	Spatial downscaling of MODIS Chlorophyll-a with machine learning techniques over the west coast of the Yellow Sea in South Korea. Journal of Oceanography, 2021, 77, 103-122.	1.7	10
8	Reanalysis Product-Based Nonstationary Frequency Analysis for Estimating Extreme Design Rainfall. Atmosphere, 2021, 12, 191.	2.3	4
9	Emulators of a Physical Model for Estimating Leaf Wetness Duration. Agronomy, 2021, 11, 216.	3.0	5
10	Hydrometeorological Applications of Deep Learning. Water Science and Technology Library, 2021, , 163-190.	0.3	0
11	Rainfall-runoff simulation using satellite rainfall in a scarce data catchment. Journal of Applied Water Engineering and Research, 2021, 9, 161-174.	1.8	4
12	Latent negative precipitation for the delineation of a zero-precipitation area in spatial interpolations. Scientific Reports, 2021, 11, 20426.	3.3	1
13	Influence analysis of central and Eastern Pacific El NiÃ±os to seasonal rainfall patterns over China using the intentional statistical simulations. Atmospheric Research, 2020, 233, 104706.	4.1	5
14	Increasing Neurons or Deepening Layers in Forecasting Maximum Temperature Time Series?. Atmosphere, 2020, 11, 1072.	2.3	24
15	Employing Machine Learning Algorithms for Streamflow Prediction: A Case Study of Four River Basins with Different Climatic Zones in the United States. Water Resources Management, 2020, 34, 4113-4131.	3.9	80
16	Deep Learning-Based Maximum Temperature Forecasting Assisted with Meta-Learning for Hyperparameter Optimization. Atmosphere, 2020, 11, 487.	2.3	46
17	EMD and LSTM Hybrid Deep Learning Model for Predicting Sunspot Number Time Series with a Cyclic Pattern. Solar Physics, 2020, 295, 1.	2.5	31
18	Spatial Downscaling of MODIS Chlorophyll-a with Genetic Programming in South Korea. Remote Sensing, 2020, 12, 1412.	4.0	8

#	Article	IF	Citations
19	Remote Sensing-Based Rainfall Variability for Warming and Cooling in Indo-Pacific Ocean with Intentional Statistical Simulations. Remote Sensing, 2020, 12, 1458.	4.0	4
20	Climate Change Adaptation to Extreme Rainfall Events on a Local Scale in Namyangju, South Korea. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	1.9	7
21	Trace selection method for a best representative in stochastic downscaling of precipitation. Theoretical and Applied Climatology, 2020, 140, 603-617.	2.8	0
22	Stochastic simulation on reproducing long-term memory of hydroclimatological variables using deep learning model. Journal of Hydrology, 2020, 582, 124540.	5.4	42
23	Bias correction of RCM outputs using mixture distributions under multiple extreme weather influences. Theoretical and Applied Climatology, 2019, 137, 201-216.	2.8	15
24	Multivariate Nonstationary Oscillation Simulation of Climate Indices With Empirical Mode Decomposition. Water Resources Research, 2019, 55, 5033-5052.	4.2	11
25	Probability Distributions for a Quantile Mapping Technique for a Bias Correction of Precipitation Data: A Case Study to Precipitation Data Under Climate Change. Water (Switzerland), 2019, 11, 1475.	2.7	53
26	Assessing the Applicability of Random Forest, Stochastic Gradient Boosted Model, and Extreme Learning Machine Methods to the Quantitative Precipitation Estimation of the Radar Data: A Case Study to Gwangdeoksan Radar, South Korea, in 2018. Advances in Meteorology, 2019, 2019, 1-17.	1.6	11
27	Serial Multiple Mediation Analyses: How to Enhance Individual Public Health Emergency Preparedness and Response to Environmental Disasters. International Journal of Environmental Research and Public Health, 2019, 16, 223.	2.6	9
28	Discrete <i>k</i>-nearest neighbor resampling for simulating multisite precipitation occurrence and model adaption to climate change. Geoscientific Model Development, 2019, 12, 1189-1207.	3.6	6
29	Stepwise extreme learning machine for statistical downscaling of daily maximum and minimum temperature. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1035-1056.	4.0	3
30	Allocating Underground Dam Sites Using Remote Sensing and GIS Case Study on the Southwestern Plain of Tehran Province, Iran. Journal of the Indian Society of Remote Sensing, 2019, 47, 989-1002.	2.4	3
31	Is Deep Better in Extreme Temperature Forecasting?. Korean Society of Hazard Mitigation, 2019, 19, 55-62.	0.2	2
32	Spatioâ€temporalâ€dependent errors of radar rainfall estimates in flood forecasting for the Nam River Dam basin. Meteorological Applications, 2018, 25, 322-336.	2.1	3
33	Multisite stochastic simulation of daily precipitation from copula modeling with a gamma marginal distribution. Theoretical and Applied Climatology, 2018, 132, 1089-1098.	2.8	13
34	A Novel Statistical Method to Temporally Downscale Wind Speed Weibull Distribution Using Scaling Property. Energies, 2018, 11, 633.	3.1	13
35	Conditional stochastic simulation model for spatial downscaling for assessing the effects of climate change on hydro-meteorological variables. Climatic Change, 2018, 150, 163-180.	3.6	2
36	Nonparametric temporal downscaling with event-based population generating algorithm for RCM daily precipitation to hourly: Model development and performance evaluation. Journal of Hydrology, 2017, 547, 498-516.	5.4	14

#	Article	IF	Citations
37	KNN-based local linear regression for the analysis and simulation of low flow extremes under climatic influence. Climate Dynamics, 2017, 49, 3493-3511.	3.8	18
38	Integrating nonstationary behaviors of typhoon and non-typhoon extreme rainfall events in East Asia. Scientific Reports, 2017, 7, 5097.	3.3	19
39	Assessing spatially dependent errors in radar rainfall estimates for rainfall-runoff simulation. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1823-1838.	4.0	3
40	The Spatial and Temporal Structure of Extreme Rainfall Trends in South Korea. Water (Switzerland), 2017, 9, 809.	2.7	21
41	Climate change inspector with intentionally biased bootstrapping (CCIIBB ver.Â1.0) â€“ methodology development. Geoscientific Model Development, 2017, 10, 525-536.	3.6	7
42	Hydrological and Meteorological Extreme Events in Asia: Understanding, Modeling, Vulnerability, and Adaptation Measures. Advances in Meteorology, 2016, 2016, 1-1.	1.6	2
43	Error influence of radar rainfall estimate on rainfall-runoff simulation. Stochastic Environmental Research and Risk Assessment, 2016, 30, 283-292.	4.0	8
44	Stochastic simulation of precipitation data for preserving key statistics in their original domain and application to climate change analysis. Theoretical and Applied Climatology, 2016, 124, 91-102.	2.8	7
45	Heterogeneous mixture distributions for modeling wind speed, application to the UAE. Renewable Energy, 2016, 91, 40-52.	8.9	57
46	Heterogeneous Mixture Distributions for Modeling Multisource Extreme Rainfalls*. Journal of Hydrometeorology, 2015, 16, 2639-2657.	1.9	18
47	Copula-based modeling and stochastic simulation of seasonal intermittent streamflows for arid regions. Journal of Hydro-Environment Research, 2015, 9, 604-613.	2.2	28
48	Basin rotation method for analyzing the directional influence of moving storms on basin response. Stochastic Environmental Research and Risk Assessment, 2015, 29, 251-263.	4.0	11
49	Alternating Inappropriate Employment of the Thiessen Method in Estimating Design Flood for Small and Ungaged Basins. Korean Society of Hazard Mitigation, 2015, 15, 395-403.	0.2	0
50	Frequency Analysis of Nonidentically Distributed Hydrometeorological Extremes Associated with Large-Scale Climate Variability Applied to South Korea. Journal of Applied Meteorology and Climatology, 2014, 53, 1193-1212.	1.5	10
51	Evaluation of a Depth-Based Multivariate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>k</mml:mi></mml:mrow></mml:math>-Nearest Neighbor Resampling Method with Stormwater Quality Data. Mathematical Problems in Engineering, 2014, 2014, 1-7.	1.1	0
52	Flood flow simulation using CMAX radar rainfall estimates in orographic basins. Meteorological Applications, 2014, 21, 596-604.	2.1	16
53	Meta-heuristic maximum likelihood parameter estimation of the mixture normal distribution for hydro-meteorological variables. Stochastic Environmental Research and Risk Assessment, 2014, 28, 347-358.	4.0	24
54	Nonparametric statistical temporal downscaling of daily precipitation to hourly precipitation and implications for climate change scenarios. Journal of Hydrology, 2014, 510, 182-196.	5.4	49

#	Article	IF	Citations
55	Total least square method applied to rating curves. Hydrological Processes, 2014, 28, 4057-4066.	2.6	11
56	Temporal Downscaling of Precipitation from Daily to Hourly Based on Nonparametric Approach: Assessment of the Climate Change Impacts on the Hourly Precipitation for the Gyeongnam Region. Korean Society of Hazard Mitigation, 2014, 14, 301-308.	0.2	3
57	Parameter Estimation of the Mixture Normal Distribution for Hydro-Meteorological Variables using Meta-Heuristic Maximum Likelihood. Korean Society of Hazard Mitigation, 2014, 14, 93-99.	0.2	1
58	Dataâ€based analysis of bivariate copula tail dependence for drought duration and severity. Hydrological Processes, 2013, 27, 1454-1463.	2.6	116
59	An orchestrated climate song from the Pacific and Atlantic Oceans and its implication on climatological processes. International Journal of Climatology, 2013, 33, 1015-1020.	3.5	16
60	Application of Harmony Search to Design Storm Estimation from Probability Distribution Models. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.9	9
61	Monthly Precipitation Forecasting with a Neuro-Fuzzy Model. Water Resources Management, 2012, 26, 4467-4483.	3.9	47
62	Stochastic simulation of nonstationary oscillation hydroclimatic processes using empirical mode decomposition. Water Resources Research, 2012, 48, .	4.2	41
63	Predictor selection for downscaling GCM data with LASSO. Journal of Geophysical Research, 2012, 117, .	3.3	54
64	Nonparametric multivariate weather generator and an extreme value theory for bandwidth selection. Journal of Hydrology, 2012, 452-453, 161-171.	5.4	23
65	Serial dependence properties in multivariate streamflow simulation with independent decomposition analysis. Hydrological Processes, 2012, 26, 961-972.	2.6	6
66	An EMD and PCA hybrid approach for separating noise from signal, and signal in climate change detection. International Journal of Climatology, 2012, 32, 624-634.	3.5	20
67	Identification of model order and number of neighbors for k-nearest neighbor resampling. Journal of Hydrology, 2011, 404, 136-145.	5.4	21
68	Copula-based stochastic simulation of hydrological data applied to Nile River flows. Hydrology Research, 2011, 42, 318-330.	2.7	84
69	Nonparametric Simulation of Single-Site Seasonal Streamflows. Journal of Hydrologic Engineering - ASCE, 2010, 15, 284-296.	1.9	62
70	Using Copulas for Stochastic Streamflow Generation. , 2008, , .		4
71	Statistical Downscaling for Hydrological and Environmental Applications. , 0, , .		12
72	Investigation of hydrological variability in the Korean Peninsula with the ENSO teleconnections. Proceedings of the International Association of Hydrological Sciences, 0, 374, 165-173.	1.0	4