

Ju-young Shin

List of Publications by Year in descending order

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34
papers

656
citations

516710

16
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610901

24
g-index

35
all docs

35
docs citations

35
times ranked

675
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous mixture distributions for modeling wind speed, application to the UAE. <i>Renewable Energy</i> , 2016, 91, 40-52.	8.9	57
2	Probability Distributions for a Quantile Mapping Technique for a Bias Correction of Precipitation Data: A Case Study to Precipitation Data Under Climate Change. <i>Water (Switzerland)</i> , 2019, 11, 1475.	2.7	53
3	Monthly Precipitation Forecasting with a Neuro-Fuzzy Model. <i>Water Resources Management</i> , 2012, 26, 4467-4483.	3.9	47
4	Deep Learning-Based Maximum Temperature Forecasting Assisted with Meta-Learning for Hyperparameter Optimization. <i>Atmosphere</i> , 2020, 11, 487.	2.3	46
5	Identification of relationships between climate indices and long-term precipitation in South Korea using ensemble empirical mode decomposition. <i>Journal of Hydrology</i> , 2018, 557, 726-739.	5.4	44
6	Stochastic simulation on reproducing long-term memory of hydroclimatological variables using deep learning model. <i>Journal of Hydrology</i> , 2020, 582, 124540.	5.4	42
7	Spatial and temporal variations in rainfall erosivity and erosivity density in South Korea. <i>Catena</i> , 2019, 176, 125-144.	5.0	40
8	The Use of Large-Scale Climate Indices in Monthly Reservoir Inflow Forecasting and Its Application on Time Series and Artificial Intelligence Models. <i>Water (Switzerland)</i> , 2019, 11, 374.	2.7	26
9	Seasonal forecasting of daily mean air temperatures using a coupled global climate model and machine learning algorithm for field-scale agricultural management. <i>Agricultural and Forest Meteorology</i> , 2020, 281, 107858.	4.8	26
10	Allergenic Pollen Calendar in Korea Based on Probability Distribution Models and Up-to-Date Observations. <i>Allergy, Asthma and Immunology Research</i> , 2020, 12, 259.	2.9	26
11	Meta-heuristic maximum likelihood parameter estimation of the mixture normal distribution for hydro-meteorological variables. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 347-358.	4.0	24
12	The Spatial and Temporal Structure of Extreme Rainfall Trends in South Korea. <i>Water (Switzerland)</i> , 2017, 9, 809.	2.7	21
13	A new approach for river network classification based on the beta distribution of tributary junction angles. <i>Journal of Hydrology</i> , 2019, 572, 66-74.	5.4	19
14	Heterogeneous Mixture Distributions for Modeling Multisource Extreme Rainfalls*. <i>Journal of Hydrometeorology</i> , 2015, 16, 2639-2657.	1.9	18
15	Ensemble-Based Neural Network Modeling for Hydrologic Forecasts: Addressing Uncertainty in the Model Structure and Input Variable Selection. <i>Water Resources Research</i> , 2020, 56, e2019WR026262.	4.2	18
16	Regional quantile delta mapping method using regional frequency analysis for regional climate model precipitation. <i>Journal of Hydrology</i> , 2021, 596, 125685.	5.4	17
17	Bias correction of RCM outputs using mixture distributions under multiple extreme weather influences. <i>Theoretical and Applied Climatology</i> , 2019, 137, 201-216.	2.8	15
18	A Novel Statistical Method to Temporally Downscale Wind Speed Weibull Distribution Using Scaling Property. <i>Energies</i> , 2018, 11, 633.	3.1	13

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19	Event-Based Heat-Related Risk Assessment Model for South Korea Using Maximum Perceived Temperature, Wet-Bulb Globe Temperature, and Air Temperature Data. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2631.	2.6	13
20	Long-term trend and variability of surface humidity from 1973 to 2018 in South Korea. <i>International Journal of Climatology</i> , 2021, 41, 4215-4235.	3.5	13
21	Outdoor thermal stress changes in South Korea: Increasing inter-annual variability induced by different trends of heat and cold stresses. <i>Science of the Total Environment</i> , 2022, 805, 150132.	8.0	13
22	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. <i>Advances in Meteorology</i> , 2019, 2019, 1-17.	1.6	11
23	Regional frequency analysis of extreme precipitation based on a nonstationary population index flood method. <i>Advances in Water Resources</i> , 2020, 146, 103757.	3.8	11
24	Leaf Wetness Duration Models Using Advanced Machine Learning Algorithms: Application to Farms in Gyeonggi Province, South Korea. <i>Water (Switzerland)</i> , 2019, 11, 1878.	2.7	8
25	Prediction of Leaf Wetness Duration Using Geostationary Satellite Observations and Machine Learning Algorithms. <i>Remote Sensing</i> , 2020, 12, 3076.	4.0	7
26	Intensity-duration-frequency relationship of WBGT extremes using regional frequency analysis in South Korea. <i>Environmental Research</i> , 2020, 190, 109964.	7.5	7
27	Selecting Climate Models to Determine Future Extreme Rainfall Quantiles. <i>Korean Society of Hazard Mitigation</i> , 2019, 19, 55-69.	0.2	6
28	Emulators of a Physical Model for Estimating Leaf Wetness Duration. <i>Agronomy</i> , 2021, 11, 216.	3.0	5
29	Improvement of Extreme Value Modeling for Extreme Rainfall Using Large-Scale Climate Modes and Considering Model Uncertainty. <i>Water (Switzerland)</i> , 2022, 14, 478.	2.7	3
30	Determination of thermal sensation levels for Koreans based on perceived temperature and climate chamber experiments with hot and humid settings. <i>International Journal of Biometeorology</i> , 2022, , 1.	3.0	3
31	High-resolution wind speed forecast system coupling numerical weather prediction and machine learning for agricultural studies – a case study from South Korea. <i>International Journal of Biometeorology</i> , 2022, 66, 1429-1443.	3.0	2
32	Modified Maximum Pseudo Likelihood Method of Copula Parameter Estimation for Skewed Hydrometeorological Data. <i>Water (Switzerland)</i> , 2020, 12, 1182.	2.7	1
33	Frequency Analysis of Annual Maximum Wind Speed in Korea using Mixture Distribution. <i>Korean Society of Hazard Mitigation</i> , 2018, 18, 61-69.	0.2	1
34	Determining multiple thresholds for thermal health risk levels using the segmented Poisson regression model. <i>Scientific Online Letters on the Atmosphere</i> , 2022, 18, .	1.4	0