Dongkyun Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4417613/publications.pdf

Version: 2024-02-01

56	754	586496	685536
papers	citations	16	24
		h-index	g-index

69	69	69	755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of rainfall threshold for flood warning for small urban watersheds based on the 1Dâ€“2D drainage model simulation. Stochastic Environmental Research and Risk Assessment, 2022, 36, 735-752.	1.9	6
2	An Algorithm of Spatial Composition of Hourly Rainfall Fields for Improved High Rainfall Value Estimation. KSCE Journal of Civil Engineering, 2021, 25, 356-368.	0.9	6
3	Changing Spatial Structure of Summer Heavy Rainfall, Using Convectionâ€Permitting Ensemble. Geophysical Research Letters, 2021, 48, e2020GL090903.	1.5	15
4	Factors Influencing the Accuracy of Shallow Snow Depth Measured Using UAV-Based Photogrammetry. Remote Sensing, 2021, 13, 828.	1.8	6
5	Comprehensive evaluation of machine learning models for suspended sediment load inflow prediction in a reservoir. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1805-1823.	1.9	25
6	An analysis of temporal scaling behaviour of extreme rainfall in Germany based on radar precipitation QPE data. Natural Hazards and Earth System Sciences, 2021, 21, 1195-1207.	1.5	10
7	Complementary Modeling Approach for Estimating Sedimentation and Hydraulic Flushing Parameters Using Artificial Neural Networks and RESCON2 Model. KSCE Journal of Civil Engineering, 2021, 25, 3766-3778.	0.9	2
8	A simple scheme to adjust Poisson cluster rectangular pulse rainfall models for improved performance at sub-hourly timescales. Journal of Hydrology, 2021, 598, 126296.	2.3	13
9	Comprehensive Evaluation of Machine Learning Techniques for Hydrological Drought Forecasting. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	0.6	25
10	Antifouling effect of water-soluble phosphate glass frit for filtration plants. Folia Microbiologica, 2020, 65, 363-370.	1.1	1
11	Precipitation threshold for urban flood warning - an analysis using the satellite-based flooded area and radar-gauge composite rainfall data. Journal of Hydro-Environment Research, 2020, 32, 48-61.	1.0	20
12	A stochastic rainfall model that can reproduce important rainfall properties across the timescales from several minutes to a decade. Journal of Hydrology, 2020, 589, 125150.	2.3	24
13	Determination of flood-inducing rainfall and runoff for highly urbanized area based on high-resolution radar-gauge composite rainfall data and flooded area GIS data. Journal of Hydrology, 2020, 584, 124704.	2.3	19
14	Estimation of flow in various sizes of streams using the Sentinel-1 Synthetic Aperture Radar (SAR) data in Han River Basin, Korea. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101930.	1.4	13
15	Detection of land subsidence and its relationship with land cover types using ESA Sentinel satellite data: a case study of Quetta Valley, Pakistan. International Journal of Remote Sensing, 2019, 40, 9572-9603.	1.3	10
16	Hydrological Drought Assessment of Energy-Based Water Deficit Index (EWDI) at Different Geographical Regions. Advances in Meteorology, 2019, 2019, 1-11.	0.6	7
17	A hybrid stochastic rainfall model that reproduces some important rainfall characteristics at hourly to yearly timescales. Hydrology and Earth System Sciences, 2019, 23, 989-1014.	1.9	15
18	Estimation of Maximum Daily Fresh Snow Accumulation Using an Artificial Neural Network Model. Advances in Meteorology, 2019, 2019, 1-11.	0.6	6

#	Article	IF	Citations
19	Evaluation of Four GLUE Likelihood Measures and Behavior of Large Parameter Samples in ISPSO-GLUE for TOPMODEL. Water (Switzerland), 2019, 11, 447.	1.2	7
20	Advances in Remote Sensing to Understand Extreme Hydrological Events. Advances in Meteorology, 2019, 2019, 1-2.	0.6	1
21	The role of rainfall spatial variability in estimating areal reduction factors. Journal of Hydrology, 2019, 568, 416-426.	2.3	34
22	Influence of Rain Gauge Density and Temporal Resolution on the Performance of Conditional Merging Method. Korean Society of Hazard Mitigation, 2019, 19, 41-51.	0.1	2
23	A new experimental investigation into the effects of reinforcing mortar beams with superelastic SMA fibers on controlling and closing cracks. Composites Part B: Engineering, 2018, 137, 140-152.	5.9	47
24	Editorial: Current water challenges require holistic and global solutions. Journal of Hydroinformatics, 2018, 20, 533-534.	1.1	4
25	Let-It-Rain: a web application for stochastic point rainfall generation at ungaged basins and its applicability in runoff and flood modeling. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1023-1043.	1.9	36
26	Nanostructured ZnO films on stainless steel are highly safe and effective for antimicrobial applications. Applied Microbiology and Biotechnology, 2017, 101, 2801-2809.	1.7	14
27	Radar polygon method: an areal rainfall estimation based on radar rainfall imageries. Stochastic Environmental Research and Risk Assessment, 2017, 31, 275-289.	1.9	4
28	Monotonic and hysteretic pullout behavior of superelastic SMA fibers with different anchorages. Composites Part B: Engineering, 2017, 108, 232-242.	5.9	27
29	A hierarchical Bayesian approach to the modified Bartlett-Lewis rectangular pulse model for a joint estimation of model parameters across stations. Journal of Hydrology, 2017, 544, 210-223.	2.3	20
30	Integrated change detection and temporal trajectory analysis of coastal wetlands using high spatial resolution Korean Multi-Purpose Satellite series imagery. Journal of Applied Remote Sensing, 2017, 11, 026030.	0.6	2
31	Mesoscale Spatial Variability of Linear Trend of Precipitation Statistics in Korean Peninsula. Advances in Meteorology, 2016, 2016, 1-15.	0.6	4
32	1/fnoise analyses of urbanization effects on streamflow characteristics. Hydrological Processes, 2016, 30, 1651-1664.	1.1	7
33	Spatial composition of AMSR2 soil moisture products by conditional merging technique with ground soil moisture data. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2109-2126.	1.9	10
34	Application of copula functions to construct confidence intervals of bivariate drought frequency curve. Journal of Hydro-Environment Research, 2016, 11, 113-122.	1.0	17
35	Regionalization of the Modified Bartlettâ€“Lewis rectangular pulse stochastic rainfall model across the Korean Peninsula. Journal of Hydro-Environment Research, 2016, 11, 123-137.	1.0	16
36	Bond Resistance of L-Shaped Shape Memory Alloy Fibers in Mortar. Journal of Nanoscience and Nanotechnology, 2016, 16, 11500-11504.	0.9	6

#	Article	IF	Citations
37	Development of flood inundation area GIS database for Samsung-1 drainage sector, Seoul, Korea. Journal of Korea Water Resources Association, 2016, 49, 981-993.	0.3	8
38	Modeling of daily rainfall sequence and extremes based on a semiparametric Pareto tail approach at multiple locations. Journal of Hydrology, 2015, 529, 1442-1450.	2.3	21
39	Simplified Flood Inundation Mapping Based On Flood Elevation-Discharge Rating Curves Using Satellite Images in Gauged Watersheds. Water (Switzerland), 2014, 6, 1280-1299.	1.2	29
40	A river environment index for Korean national rivers: rationale, methods and application. Water Policy, 2014, 16, 481-500.	0.7	3
41	A Poisson Cluster Stochastic Rainfall Generator That Accounts for the Interannual Variability of Rainfall Statistics: Validation at Various Geographic Locations across the United States. Journal of Applied Mathematics, 2014, 2014, 1-14.	0.4	7
42	Best-fit distribution and log-normality for tsunami heights along coastal lines. Stochastic Environmental Research and Risk Assessment, 2014, 28, 881-893.	1.9	11
43	Effect of Confining Pressure Due to External Jacket of Steel Plate or Shape Memory Alloy Wire on Bond Behavior Between Concrete and Steel Reinforcing Bars. Journal of Nanoscience and Nanotechnology, 2014, 14, 9657-9661.	0.9	2
44	Efficient Uncertainty Analysis of TOPMODEL Using Particle Swarm Optimization. Journal of Korea Water Resources Association, 2014, 47, 285-295.	0.3	1
45	Applicability of a Space-time Rainfall Downscaling Algorithm Based on Multifractal Framework in Modeling Heavy Rainfall Events in Korean Peninsula. Journal of Korea Water Resources Association, 2014, 47, 839-852.	0.3	3
46	Effect of the inter-annual variability of rainfall statistics on stochastically generated rainfall time series: part 1. Impact on peak and extreme rainfall values. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1601-1610.	1.9	18
47	On the spatial pattern of the distribution of the tsunami run-up heights. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1333-1346.	1.9	8
48	Effect of the inter-annual variability of rainfall statistics on stochastically generated rainfall time series: part 2. Impact on watershed response variables. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1611-1619.	1.9	12
49	Regionalization of the Modified Bartlett-Lewis Rectangular Pulse Stochastic Rainfall Model. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 421.	0.3	21
50	Observation Method for Estimating Future Scour Depth at Existing Bridges. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1165-1175.	1.5	11
51	The Application of the Poisson Cluster Rainfall Generation Model to the Flood Analysis. Journal of Korea Water Resources Association, 2013, 46, 439-447.	0.3	8
52	Development and Application of an Storm Identification Algorithm that Conceptualizes Storms by Elliptical Shape. Korean Society of Hazard Mitigation, 2013, 13, 325-335.	0.1	4
53	Relative Importance of the Different Rainfall Statistics in the Calibration of Stochastic Rainfall Generation Models. Journal of Hydrologic Engineering - ASCE, 2012, 17, 368-376.	0.8	25
54	Enhanced speciation in particle swarm optimization for multi-modal problems. European Journal of Operational Research, 2011, 213, 15-23.	3.5	40

#	Article	IF	Citations
55	Improving Stochastic Rainfall Generators. , 2010, , .		1
56	Estimation of Average Rainfall Areal Reduction Factors in Texas Using NEXRAD Data. Journal of Hydrologic Engineering - ASCE, 2008, 13, 438-448.	0.8	31