Seong-Joon Kim

List of Publications by Year
in descending order

58 papers	912 citations	430874 18 h-index	526287 27 g-index
59 all docs	59 docs citations	59 times ranked	1067 citing authors

#	Article	IF	Citations
1	Soil Moisture Content Estimation Based on Sentinel-1 SAR Imagery Using an Artificial Neural Network and Hydrological Components. Remote Sensing, 2022, 14, 465.	4.0	12
2	Evaluation of Agricultural Water Supply and Selection of Deficient Districts in Yeongsan River Basin of South Korea Considering Supply Priority. Water (Switzerland), 2022, 14, 298.	2.7	2
3	Evaluation of agricultural drought in South Korea using socio-economic drought information. International Journal of Disaster Risk Reduction, 2022, 74, 102936.	3.9	9
4	Optimal Band Selection for Airborne Hyperspectral Imagery to Retrieve a Wide Range of Cyanobacterial Pigment Concentration Using a Data-Driven Approach. Remote Sensing, 2022, 14, 1754.	4.0	2
5	Assessment of socio-economic drought information using drought-related Internet news data (Part) Tj ETQq1 1 0.784314 rgBT /Overlock International Journal of Disaster Risk Reduction, 2022, 75, 102961.	3.9	5
6	Evaluating the impact of interbasin water transfer on water quality in the recipient river basin with SWAT. Science of the Total Environment, 2021, 776, 145984.	8.0	25
7	Evaluation of Land-Use Changes Impact on Watershed Health Using Probabilistic Approaches. Water (Switzerland), 2021, 13, 2348.	2.7	3
8	Improvement of Downstream Flow by Modifying SWAT Reservoir Operation Considering Irrigation Water and Environmental Flow from Agricultural Reservoirs in South Korea. Water (Switzerland), 2021, 13, 2543.	2.7	8
9	Correlation Analysis between Hydrologic Flow Metrics and Benthic Macroinvertebrates Index (BMI) in the Han River Basin, South Korea. Sustainability, 2021, 13, 11477.	3.2	6
10	Correlation Analysis between Air Temperature and MODIS Land Surface Temperature and Prediction of Air Temperature Using TensorFlow Long Short-Term Memory for the Period of Occurrence of Cold and Heat Waves. Remote Sensing, 2020, 12, 3231.	4.0	13
11	Evaluation of Water Quality Interaction by Dam and Weir Operation Using SWAT in the Nakdong River Basin of South Korea. Sustainability, 2020, 12, 6845.	3.2	9
12	Performance Evaluation of the Multiple Quantile Regression Model for Estimating Spatial Soil Moisture after Filtering Soil Moisture Outliers. Remote Sensing, 2020, 12, 1678.	4.0	5
13	The relationship among meteorological, agricultural, and in situ news-generated big data on droughts. Natural Hazards, 2019, 98, 765-781.	3.4	12
14	Assessment of Climate Change Impact on Future Groundwater-Level Behavior Using SWAT Groundwater-Consumption Function in Geum River Basin of South Korea. Water (Switzerland), 2019, 11, 949.	2.7	17
15	Quantification of Stream Drying Phenomena Using Grid-Based Hydrological Modeling via Long-Term Data Mining throughout South Korea including Ungauged Areas. Water (Switzerland), 2019, 11, 477.	2.7	9
16	Assessment of Water Supply Stability for Drought-Vulnerable Boryeong Multipurpose Dam in South Korea Using Future Dry Climate Change Scenarios. Water (Switzerland), 2019, 11, 2403.	2.7	11
17	Spatial distribution of soil moisture estimates using a multiple linear regression model and Korean geostationary satellite (COMS) data. Agricultural Water Management, 2019, 213, 580-593.	5.6	26
18	Evaluation of the effects of climate change on forest watershed hydroecology using the RHESSys model: Seolmacheon catchment. Paddy and Water Environment, 2019, 17, 581-595.	1.8	8

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19	Assessment of watershed health, vulnerability and resilience for determining protection and restoration Priorities. Environmental Modelling and Software, 2019, 122, 103926.	4.5	30
20	Control of Nitrogen Exports From River Basins to the Coastal Ocean: Evaluation of Basin Management Strategies for Reducing Coastal Hypoxia. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3111-3123.	3.0	5
21	Analysis of water balance by surface–groundwater interaction using the SWAT model for the Han River basin, South Korea. Paddy and Water Environment, 2018, 16, 543-560.	1.8	8
22	Evaluation of executable best management practices in Haean highland agricultural catchment of South Korea using SWAT. Agricultural Water Management, 2017, 180, 224-234.	5.6	50
23	Evaluation of land use change and groundwater use impact on stream drying phenomena using a grid-based continuous hydrologic model. Paddy and Water Environment, 2017, 15, 111-122.	1.8	5
24	A Study of Spatial Soil Moisture Estimation Using a Multiple Linear Regression Model and MODIS Land Surface Temperature Data Corrected by Conditional Merging. Remote Sensing, 2017, 9, 870.	4.0	32
25	The Modified SEBAL for Mapping Daily Spatial Evapotranspiration of South Korea Using Three Flux Towers and Terra MODIS Data. Remote Sensing, 2016, 8, 983.	4.0	25
26	Hydrologic Evaluation of River Basin Scale Tillage Effects on Non–Point Source Loads from Upland Crop Areas*. Irrigation and Drainage, 2016, 65, 200-208.	1.7	1
27	Assessing drought threats to agricultural water supplies under climate change by combining the SWAT and MODSIM models for the Geum River basin, South Korea. Hydrological Sciences Journal, 2016, 61, 2740-2753.	2.6	45
28	Assessment of hydrological changes in a river basin as affected by climate change and water management practices, by using the cat model. Irrigation and Drainage, 2016, 65, 26-35.	1.7	6
29	The unusual 2013–2015 drought in South Korea in the context of a multicentury precipitation record: Inferences from a nonstationary, multivariate, Bayesian copula model. Geophysical Research Letters, 2016, 43, 8534-8544.	4.0	52
30	Assessment of Climate Change Impacts on the Future Hydrologic Cycle of the Han River Basin in South Korea Using a Grid–Based Distributed Model. Irrigation and Drainage, 2016, 65, 11-21.	1.7	10
31	Evaluation of future climate change impact on snow hydrology for a mountainous watershed of South Korea using SLURP model and NOAA AVHRR images. Paddy and Water Environment, 2016, 14, 145-158.	1.8	1
32	Comparison of SWAT streamflow and water quality in an agricultural watershed using KOMPSAT-2 and Landsat land use information. KSCE Journal of Civil Engineering, 2016, 20, 367-375.	1.9	1
33	Assessment of future climate change impacts on snowmelt and stream water quality for a mountainous high-elevation watershed using SWAT. Paddy and Water Environment, 2015, 13, 557-569.	1.8	26
34	Hydro-environmental runoff projection under GCM scenario downscaled by Artificial Neural Network in the Namgang Dam watershed, Korea. KSCE Journal of Civil Engineering, 2015, 19, 434-445.	1.9	4
35	Application of distributed KIneMatic wave STOrm Runoff Model (KIMSTORM) for flood simulation considering dam release in the NamHan river basin of Korea. Paddy and Water Environment, 2015, 13, 167-177.	1.8	1
36	Evaluation of mixed forest evapotranspiration and soil moisture using measured and swat simulated results in a hillslope watershed. KSCE Journal of Civil Engineering, 2014, 18, 315-322.	1.9	15

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37	Assessment of future climate and vegetation canopy change impacts on hydrological behavior of Chungju dam watershed using SWAT model. KSCE Journal of Civil Engineering, 2014, 18, 1185-1196.	1.9	4
38	Potential Impacts of Climate Change on the Reliability of Water and Hydropower Supply from a Multipurpose Dam in South Korea. Journal of the American Water Resources Association, 2014, 50, 1273-1288.	2.4	35
39	SWAT modeling of best management practices for Chungju dam watershed in South Korea under future climate change scenarios. Paddy and Water Environment, 2014, 12, 65-75.	1.8	29
40	Evaluation of MODIS NDVI and LST for indicating soil moisture of forest areas based on SWAT modeling. Paddy and Water Environment, 2014, 12, 77-88.	1.8	21
41	Hydrologic impact of climate change with adaptation of vegetation community in a forest-dominant watershed. Paddy and Water Environment, 2014, 12, 51-63.	1.8	3
42	The SRI (system of rice intensification) water management evaluation by SWAPP (SWAT–APEX Program) modeling in an agricultural watershed of South Korea. Paddy and Water Environment, 2014, 12, 251-261.	1.8	10
43	A grid-based rainfall-runoff model for flood simulation including paddy fields. Paddy and Water Environment, 2011, 9, 275-290.	1.8	14
44	Assessing hydrologic response to climate change of a stream watershed using SLURP hydrological model. KSCE Journal of Civil Engineering, 2011, 15, 43-55.	1.9	10
45	Projection of Future Snowfall by Using Climate Change Scenarios. Journal of the Korean Association of Geographic Information Studies, 2011, 14, 188-202.	0.1	7
46	Assessment of distributed hydrological drought based on hydrological unit map using SWSI drought index in South Korea. KSCE Journal of Civil Engineering, 2010, 14, 923-929.	1.9	11
47	The spatial and temporal correlation analysis between MODIS NDVI and SWAT predicted soil moisture during forest NDVI increasing and decreasing periods. KSCE Journal of Civil Engineering, 2010, 14, 931-939.	1.9	11
48	Comparison of hydrological responses by two different satellite remotely sensed leaf area indices in a mountainous watershed of South Korea. KSCE Journal of Civil Engineering, 2010, 14, 785-796.	1.9	5
49	Evaluation of non-point source pollution reduction by applying Best Management Practices using a SWAT model and QuickBird high resolution satellite imagery. Journal of Environmental Sciences, 2010, 22, 826-833.	6.1	76
50	Development of new R, C and SDR modules for the SATEEC GIS system. Computers and Geosciences, 2010, 36, 726-734.	4.2	24
51	Development of genetic algorithm-based optimization module in WHAT system for hydrograph analysis and model application. Computers and Geosciences, 2010, 36, 936-944.	4.2	62
52	Future potential impacts of climate change on agricultural watershed hydrology and the adaptation strategy of paddy rice irrigation reservoir by release control. Paddy and Water Environment, 2009, 7, 271-282.	1.8	20
53	Development of a SWAT Patch for Better Estimation of Sediment Yield in Steep Sloping Watersheds[1]. Journal of the American Water Resources Association, 2009, 45, 963-972.	2.4	19
54	Moderating effects of the geometry of reservoirs on the relation between urban land use and water quality. Landscape and Urban Planning, 2007, 82, 175-183.	7.5	29

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55	Evaluation of paddy water storage dynamics during flood period in South Korea. KSCE Journal of Civil Engineering, 2007, 11, 269-276.	1.9	10
56	Assessment of climate change impact on snowmelt in the two mountainous watersheds using CCCma CGCM2. KSCE Journal of Civil Engineering, 2007, 11, 311-319.	1.9	7
57	A comparative study on grid-based storm runoff prediction using Thiessen and spatially distributed rainfall. Paddy and Water Environment, 2003, 1, 149-155.	1.8	6
58	Enhancement of light aircraft 6 DOF simulation using flight test data in longitudinal motion. Aeronautical Journal, 0, , 1-22.	1.6	0