

Seong-Joon Kim

List of Publications by Year in descending order

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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	Evaluation of non-point source pollution reduction by applying Best Management Practices using a SWAT model and QuickBird high resolution satellite imagery. <i>Journal of Environmental Sciences</i> , 2010, 22, 826-833.	6.1	76
2	Development of genetic algorithm-based optimization module in WHAT system for hydrograph analysis and model application. <i>Computers and Geosciences</i> , 2010, 36, 936-944.	4.2	62
3	The unusual 2013â€“2015 drought in South Korea in the context of a multicentury precipitation record: Inferences from a nonstationary, multivariate, Bayesian copula model. <i>Geophysical Research Letters</i> , 2016, 43, 8534-8544.	4.0	52
4	Evaluation of executable best management practices in Haean highland agricultural catchment of South Korea using SWAT. <i>Agricultural Water Management</i> , 2017, 180, 224-234.	5.6	50
5	Assessing drought threats to agricultural water supplies under climate change by combining the SWAT and MODSIM models for the Geum River basin, South Korea. <i>Hydrological Sciences Journal</i> , 2016, 61, 2740-2753.	2.6	45
6	Potential Impacts of Climate Change on the Reliability of Water and Hydropower Supply from a Multipurpose Dam in South Korea. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1273-1288.	2.4	35
7	A Study of Spatial Soil Moisture Estimation Using a Multiple Linear Regression Model and MODIS Land Surface Temperature Data Corrected by Conditional Merging. <i>Remote Sensing</i> , 2017, 9, 870.	4.0	32
8	Assessment of watershed health, vulnerability and resilience for determining protection and restoration Priorities. <i>Environmental Modelling and Software</i> , 2019, 122, 103926.	4.5	30
9	Moderating effects of the geometry of reservoirs on the relation between urban land use and water quality. <i>Landscape and Urban Planning</i> , 2007, 82, 175-183.	7.5	29
10	SWAT modeling of best management practices for Chungju dam watershed in South Korea under future climate change scenarios. <i>Paddy and Water Environment</i> , 2014, 12, 65-75.	1.8	29
11	Assessment of future climate change impacts on snowmelt and stream water quality for a mountainous high-elevation watershed using SWAT. <i>Paddy and Water Environment</i> , 2015, 13, 557-569.	1.8	26
12	Spatial distribution of soil moisture estimates using a multiple linear regression model and Korean geostationary satellite (COMS) data. <i>Agricultural Water Management</i> , 2019, 213, 580-593.	5.6	26
13	The Modified SEBAL for Mapping Daily Spatial Evapotranspiration of South Korea Using Three Flux Towers and Terra MODIS Data. <i>Remote Sensing</i> , 2016, 8, 983.	4.0	25
14	Evaluating the impact of interbasin water transfer on water quality in the recipient river basin with SWAT. <i>Science of the Total Environment</i> , 2021, 776, 145984.	8.0	25
15	Development of new R, C and SDR modules for the SATEEC GIS system. <i>Computers and Geosciences</i> , 2010, 36, 726-734.	4.2	24
16	Evaluation of MODIS NDVI and LST for indicating soil moisture of forest areas based on SWAT modeling. <i>Paddy and Water Environment</i> , 2014, 12, 77-88.	1.8	21
17	Future potential impacts of climate change on agricultural watershed hydrology and the adaptation strategy of paddy rice irrigation reservoir by release control. <i>Paddy and Water Environment</i> , 2009, 7, 271-282.	1.8	20
18	Development of a SWAT Patch for Better Estimation of Sediment Yield in Steep Sloping Watersheds. <i>Journal of the American Water Resources Association</i> , 2009, 45, 963-972.	2.4	19

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19	Assessment of Climate Change Impact on Future Groundwater-Level Behavior Using SWAT Groundwater-Consumption Function in Geum River Basin of South Korea. <i>Water (Switzerland)</i> , 2019, 11, 949.	2.7	17
20	Evaluation of mixed forest evapotranspiration and soil moisture using measured and swat simulated results in a hillslope watershed. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 315-322.	1.9	15
21	A grid-based rainfall-runoff model for flood simulation including paddy fields. <i>Paddy and Water Environment</i> , 2011, 9, 275-290.	1.8	14
22	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. <i>Remote Sensing</i> , 2020, 12, 3231.	4.0	13
23	The relationship among meteorological, agricultural, and in situ news-generated big data on droughts. <i>Natural Hazards</i> , 2019, 98, 765-781.	3.4	12
24	Soil Moisture Content Estimation Based on Sentinel-1 SAR Imagery Using an Artificial Neural Network and Hydrological Components. <i>Remote Sensing</i> , 2022, 14, 465.	4.0	12
25	Assessment of distributed hydrological drought based on hydrological unit map using SWSI drought index in South Korea. <i>KSCE Journal of Civil Engineering</i> , 2010, 14, 923-929.	1.9	11
26	The spatial and temporal correlation analysis between MODIS NDVI and SWAT predicted soil moisture during forest NDVI increasing and decreasing periods. <i>KSCE Journal of Civil Engineering</i> , 2010, 14, 931-939.	1.9	11
27	Assessment of Water Supply Stability for Drought-Vulnerable Boryeong Multipurpose Dam in South Korea Using Future Dry Climate Change Scenarios. <i>Water (Switzerland)</i> , 2019, 11, 2403.	2.7	11
28	Evaluation of paddy water storage dynamics during flood period in South Korea. <i>KSCE Journal of Civil Engineering</i> , 2007, 11, 269-276.	1.9	10
29	Assessing hydrologic response to climate change of a stream watershed using SLURP hydrological model. <i>KSCE Journal of Civil Engineering</i> , 2011, 15, 43-55.	1.9	10
30	The SRI (system of rice intensification) water management evaluation by SWAPP (SWATâ€™APEX Program) modeling in an agricultural watershed of South Korea. <i>Paddy and Water Environment</i> , 2014, 12, 251-261.	1.8	10
31	Assessment of Climate Change Impacts on the Future Hydrologic Cycle of the Han River Basin in South Korea Using a Grid-Based Distributed Model. <i>Irrigation and Drainage</i> , 2016, 65, 11-21.	1.7	10
32	Quantification of Stream Drying Phenomena Using Grid-Based Hydrological Modeling via Long-Term Data Mining throughout South Korea including Ungauged Areas. <i>Water (Switzerland)</i> , 2019, 11, 477.	2.7	9
33	Evaluation of Water Quality Interaction by Dam and Weir Operation Using SWAT in the Nakdong River Basin of South Korea. <i>Sustainability</i> , 2020, 12, 6845.	3.2	9
34	Evaluation of agricultural drought in South Korea using socio-economic drought information. <i>International Journal of Disaster Risk Reduction</i> , 2022, 74, 102936.	3.9	9
35	Analysis of water balance by surface-groundwater interaction using the SWAT model for the Han River basin, South Korea. <i>Paddy and Water Environment</i> , 2018, 16, 543-560.	1.8	8
36	Evaluation of the effects of climate change on forest watershed hydroecology using the RHESSys model: Seolmacheon catchment. <i>Paddy and Water Environment</i> , 2019, 17, 581-595.	1.8	8

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37	Improvement of Downstream Flow by Modifying SWAT Reservoir Operation Considering Irrigation Water and Environmental Flow from Agricultural Reservoirs in South Korea. <i>Water (Switzerland)</i> , 2021, 13, 2543.	2.7	8
38	Assessment of climate change impact on snowmelt in the two mountainous watersheds using CCCma CGCM2. <i>KSCE Journal of Civil Engineering</i> , 2007, 11, 311-319.	1.9	7
39	Projection of Future Snowfall by Using Climate Change Scenarios. <i>Journal of the Korean Association of Geographic Information Studies</i> , 2011, 14, 188-202.	0.1	7
40	A comparative study on grid-based storm runoff prediction using Thiessen and spatially distributed rainfall. <i>Paddy and Water Environment</i> , 2003, 1, 149-155.	1.8	6
41	Assessment of hydrological changes in a river basin as affected by climate change and water management practices, by using the cat model. <i>Irrigation and Drainage</i> , 2016, 65, 26-35.	1.7	6
42	Correlation Analysis between Hydrologic Flow Metrics and Benthic Macroinvertebrates Index (BMI) in the Han River Basin, South Korea. <i>Sustainability</i> , 2021, 13, 11477.	3.2	6
43	Comparison of hydrological responses by two different satellite remotely sensed leaf area indices in a mountainous watershed of South Korea. <i>KSCE Journal of Civil Engineering</i> , 2010, 14, 785-796.	1.9	5
44	Evaluation of land use change and groundwater use impact on stream drying phenomena using a grid-based continuous hydrologic model. <i>Paddy and Water Environment</i> , 2017, 15, 111-122.	1.8	5
45	Control of Nitrogen Exports From River Basins to the Coastal Ocean: Evaluation of Basin Management Strategies for Reducing Coastal Hypoxia. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2018, 123, 3111-3123.	3.0	5
46	Performance Evaluation of the Multiple Quantile Regression Model for Estimating Spatial Soil Moisture after Filtering Soil Moisture Outliers. <i>Remote Sensing</i> , 2020, 12, 1678.	4.0	5
47	Assessment of socio-economic drought information using drought-related Internet news data (Part) Tj ETQq1 1 0.784314 rgBT /Overl International Journal of Disaster Risk Reduction, 2022, 75, 102961.	3.9	5
48	Assessment of future climate and vegetation canopy change impacts on hydrological behavior of Chungju dam watershed using SWAT model. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1185-1196.	1.9	4
49	Hydro-environmental runoff projection under GCM scenario downscaled by Artificial Neural Network in the Namgang Dam watershed, Korea. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 434-445.	1.9	4
50	Hydrologic impact of climate change with adaptation of vegetation community in a forest-dominant watershed. <i>Paddy and Water Environment</i> , 2014, 12, 51-63.	1.8	3
51	Evaluation of Land-Use Changes Impact on Watershed Health Using Probabilistic Approaches. <i>Water (Switzerland)</i> , 2021, 13, 2348.	2.7	3
52	Evaluation of Agricultural Water Supply and Selection of Deficient Districts in Yeongsan River Basin of South Korea Considering Supply Priority. <i>Water (Switzerland)</i> , 2022, 14, 298.	2.7	2
53	Optimal Band Selection for Airborne Hyperspectral Imagery to Retrieve a Wide Range of Cyanobacterial Pigment Concentration Using a Data-Driven Approach. <i>Remote Sensing</i> , 2022, 14, 1754.	4.0	2
54	Application of distributed KlineMatic wave STORM Runoff Model (KIMSTORM) for flood simulation considering dam release in the NamHan river basin of Korea. <i>Paddy and Water Environment</i> , 2015, 13, 167-177.	1.8	1

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55	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
56	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
57	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
58	Enhancement of light aircraft 6 DOF simulation using flight test data in longitudinal motion. Aeronautical Journal, 0, 1-22.	1.6	0