

# Seong Joon Kim

## List of Publications by Year in descending order

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29  
papers

436  
citations

840776

11  
h-index

752698

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29  
docs citations

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times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Multi-Criteria Assessment of Spatial Robust Water Resource Vulnerability Using the TOPSIS Method Coupled with Objective and Subjective Weights in the Han River Basin. <i>Sustainability</i> , 2017, 9, 29.	3.2	41
4	Assessment of integrated watershed health based on the natural environment, hydrology, water quality, and aquatic ecology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5583-5602.	4.9	33
5	Land use change and ecosystem services in mountainous watersheds: Predicting the consequences of environmental policies with cellular automata and hydrological modeling. <i>Environmental Modelling and Software</i> , 2019, 122, 103982.	4.5	33
6	Assessment of land-use impact on streamflow via a grid-based modelling approach including paddy fields. <i>Hydrological Processes</i> , 2005, 19, 3801-3817.	2.6	27
7	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
8	Assessing the effectiveness of split fertilization and cover crop cultivation in order to conserve soil and water resources and improve crop productivity. <i>Agricultural Water Management</i> , 2016, 163, 305-318.	5.6	22
9	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
10	Evapotranspiration estimation using the Landsat-5 Thematic Mapper image over the Gyungan watershed in Korea. <i>International Journal of Remote Sensing</i> , 2011, 32, 4327-4341.	2.9	14
11	Evaluation of Watershed Scale Aquatic Ecosystem Health by SWAT Modeling and Random Forest Technique. <i>Sustainability</i> , 2019, 11, 3397.	3.2	13
12	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
13	Assessment of Agricultural Water Supply Capacity Using MODSIM-DSS Coupled with SWAT. <i>Journal of the Korean Society of Civil Engineers</i> , 2013, 33, 507-519.	0.1	11
14	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
15	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
16	Assessment of the water cycle impact by the Budyko curve on watershed hydrology using SWAT and CO2 concentrations derived from Terra MODIS GPP. <i>Ecological Engineering</i> , 2018, 118, 179-190.	3.6	8
17	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
18	Evaluation of the Effect of Channel Geometry on Streamflow and Water Quality Modeling and Modification of Channel Geometry Module in SWAT: A Case Study of the Andong Dam Watershed. <i>Water (Switzerland)</i> , 2019, 11, 718.	2.7	8

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19	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
20	Evaluation of Forest Watershed Hydro-Ecology using Measured Data and RHESSys Model -For the Seolmacheon Catchment-. Journal of Korea Water Resources Association, 2012, 45, 1293-1307.	0.2	7
21	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
22	HSPF and SWAT Modelling for Identifying Runoff Reduction Effect of Nonpoint Source Pollution by Rice Straw Mulching on Upland Crops. Journal of the Korean Society of Agricultural Engineers, 2013, 55, 47-57.	0.1	6
23	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
24	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
25	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
26	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
27	Spatial Assessment of Water-Use Vulnerability under Future Climate and Socioeconomic Scenarios within a River Basin. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	4
28	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
29	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