

# Kyoung Jae Lim

## List of Publications by Year in descending order

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46  
papers

1,079  
citations

623734

14  
h-index

414414

32  
g-index

47  
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47  
docs citations

47  
times ranked

1269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of rainfall erosivity factor in Italy and Switzerland using Bayesian optimization based machine learning models. <i>Catena</i> , 2022, 211, 105957.	5.0	17
2	Development and Application of a QGIS-Based Model to Estimate Monthly Streamflow. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 40.	2.9	3
3	Analysis of Water Balance Changes and Parameterization Reflecting Soil Characteristics in a Hydrological Simulation Programâ€”FORTRAN Model. <i>Water (Switzerland)</i> , 2022, 14, 990.	2.7	3
4	Development of Novel QAPEX Analysis System Using Open-Source GIS. <i>Sustainability</i> , 2022, 14, 8199.	3.2	0
5	Development of a Soil Organic Matter Content Prediction Model Based on Supervised Learning Using Vis-NIR/SWIR Spectroscopy. <i>Sensors</i> , 2022, 22, 5129.	3.8	6
6	Evaluation of Rainfall Erosivity Factor Estimation Using Machine and Deep Learning Models. <i>Water (Switzerland)</i> , 2021, 13, 382.	2.7	17
7	Prediction of Aquatic Ecosystem Health Indices through Machine Learning Models Using the WGAN-Based Data Augmentation Method. <i>Sustainability</i> , 2021, 13, 10435.	3.2	12
8	Comparison of Machine Learning Algorithms for Discharge Prediction of Multipurpose Dam. <i>Water (Switzerland)</i> , 2021, 13, 3369.	2.7	5
9	Development and Evaluation of the Combined Machine Learning Models for the Prediction of Dam Inflow. <i>Water (Switzerland)</i> , 2020, 12, 2927.	2.7	41
10	Soil Moistureâ€”Vegetationâ€”Carbon Flux Relationship under Agricultural Drought Condition using Optical Multispectral Sensor. <i>Remote Sensing</i> , 2020, 12, 1359.	4.0	6
11	Contribution of Internal Nutrients Loading on the Water Quality of a Reservoir. <i>Water (Switzerland)</i> , 2019, 11, 1409.	2.7	14
12	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
13	The Effect of Reduced Flow on Downstream Water Systems Due to the Kumgangsán Dam under Dry Conditions. <i>Water (Switzerland)</i> , 2019, 11, 739.	2.7	11
14	Evaluation of Sediment Trapping Efficiency of Vegetative Filter Strips Using Machine Learning Models. <i>Sustainability</i> , 2019, 11, 7212.	3.2	4
15	Effects of Slope Magnitude and Length on SWAT Baseflow Estimation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, 04018037.	1.0	1
16	Development of web-based WERM-S module for estimating spatially distributed rainfall erosivity index (EI30) using RADAR rainfall data. <i>Catena</i> , 2018, 161, 37-49.	5.0	19
17	Assessment of Baseflow Estimates Considering Recession Characteristics in SWAT. <i>Water (Switzerland)</i> , 2018, 10, 371.	2.7	27
18	Evaluation of Regression Models of LOADEST and Eight-Parameter Model for Nitrogen Load Estimations. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Analysis of Water Pollutant Load Characteristics and Its Contributions During Dry Season: Focusing on Major Streams Inflow into South-Han River of Chungju-dam Downstream. Daehan Hwan'gyeong Gonghag Hoeji, 2018, 40, 247-257.	1.1	5
20	Development of Field Pollutant Load Estimation Module and Linkage of QUAL2E with Watershed-Scale L-THIA ACN Model. Water (Switzerland), 2016, 8, 292.	2.7	8
21	Development of a Watershed-Scale Long-Term Hydrologic Impact Assessment Model with the Asymptotic Curve Number Regression Equation. Water (Switzerland), 2016, 8, 153.	2.7	18
22	Development of Dynamic Ground Water Data Assimilation for Quantifying Soil Hydraulic Properties from Remotely Sensed Soil Moisture. Water (Switzerland), 2016, 8, 311.	2.7	4
23	Web-Based BFlow System for the Assessment of Streamflow Characteristics at National Level. Water (Switzerland), 2016, 8, 384.	2.7	9
24	Modification of SWAT auto-calibration for accurate flow estimation at all flow regimes. Paddy and Water Environment, 2016, 14, 499-508.	1.8	4
25	Application of Web ERosivity Module (WERM) for estimation of annual and monthly R factor in Korea. Catena, 2016, 147, 225-237.	5.0	26
26	Approach of Land Cover Based Asymptotic Curve Number Regression Equation to Estimate Runoff. Irrigation and Drainage, 2016, 65, 94-104.	1.7	10
27	Effect of Straw Mulch on Runoff and NPS Pollution Reduction from Experimental Plots under a Climate Change Scenario in Korea. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .	1.0	3
28	Assessment of soil loss in South Korea based on land-cover type. Stochastic Environmental Research and Risk Assessment, 2015, 29, 2127-2141.	4.0	13
29	A web tool for STORET/WQX water quality data retrieval and Best Management Practice scenario suggestion. Journal of Environmental Management, 2015, 150, 21-27.	7.8	3
30	Quantifying Contribution of Direct Runoff and Baseflow to Rivers in Han River System, South Korea. Journal of Korea Water Resources Association, 2015, 48, 309-319.	0.2	6
31	Regional Calibration of SCS-CN L-THIA Model: Application for Ungauged Basins. Water (Switzerland), 2014, 6, 1339-1359.	2.7	24
32	Development of a Prototype Web GIS-Based Disaster Management System for Safe Operation of the Next Generation Bimodal Tram, South Koreaâ€”Focused Flooding and Snowfall. Sustainability, 2014, 6, 1776-1795.	3.2	2
33	The Effect of Hydraulic Characteristics on Algal Bloom in an Artificial Seawater Canal: A Case Study in Songdo City, South Korea. Water (Switzerland), 2014, 6, 399-413.	2.7	7
34	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
35	Assessing the effect of watershed slopes on recharge/baseflow and soil erosion. Paddy and Water Environment, 2014, 12, 169-183.	1.8	14
36	Estimation of flood risk index considering the regional flood characteristics: a case of South Korea. Paddy and Water Environment, 2014, 12, 41-49.	1.8	9

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37	Effect of surface cover on the reduction of runoff and agricultural NPS pollution from upland fields. Paddy and Water Environment, 2013, 11, 493-501.	1.8	9
38	Evaluation of SWAT sub-daily runoff estimation at small agricultural watershed in Korea. Frontiers of Environmental Science and Engineering, 2013, 7, 109-119.	6.0	40
39	Soil erosion risk assessment of the Keiskamma catchment, South Africa using GIS and remote sensing. Environmental Earth Sciences, 2012, 65, 2087-2102.	2.7	82
40	Hydrologic Response Unit Routing in SWAT to Simulate Effects of Vegetated Filter Strip for South-Korean Conditions Based on VFSSMOD. Water (Switzerland), 2011, 3, 819-842.	2.7	12
41	Multiple segmented reaches per subwatershed modeling approach for improving HSPF-Paddy water quality simulation. Paddy and Water Environment, 2011, 9, 193-205.	1.8	10
42	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
43	Development of new R, C and SDR modules for the SATEEC GIS system. Computers and Geosciences, 2010, 36, 726-734.	4.2	24
44	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
45	AUTOMATED WEB GIS BASED HYDROGRAPH ANALYSIS TOOL, WHAT. Journal of the American Water Resources Association, 2005, 41, 1407-1416.	2.4	324
46	GIS-based sediment assessment tool. Catena, 2005, 64, 61-80.	5.0	135