Kyoung Jae Lim

List of Publications by Year
in descending order

46 papers	1,079 citations	623734 14 h-index	414414 32 g-index
47 all docs	47 docs citations	47 times ranked	1269 citing authors

#	Article	IF	Citations
1	AUTOMATED WEB GIS BASED HYDROGRAPH ANALYSIS TOOL, WHAT. Journal of the American Water Resources Association, 2005, 41, 1407-1416.	2.4	324
2	GIS-based sediment assessment tool. Catena, 2005, 64, 61-80.	5.0	135
3	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
4	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
5	Development and Evaluation of the Combined Machine Learning Models for the Prediction of Dam Inflow. Water (Switzerland), 2020, 12, 2927.	2.7	41
6	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
7	Assessment of Baseflow Estimates Considering Recession Characteristics in SWAT. Water (Switzerland), 2018, 10, 371.	2.7	27
8	Application of Web ERosivity Module (WERM) for estimation of annual and monthly R factor in Korea. Catena, 2016, 147, 225-237.	5.0	26
9	Development of new R, C and SDR modules for the SATEEC GIS system. Computers and Geosciences, 2010, 36, 726-734.	4.2	24
10	Regional Calibration of SCS-CN L-THIA Model: Application for Ungauged Basins. Water (Switzerland), 2014, 6, 1339-1359.	2.7	24
11	Development of web-based WERM-S module for estimating spatially distributed rainfall erosivity index (EI30) using RADAR rainfall data. Catena, 2018, 161, 37-49.	5.0	19
12	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
13	Evaluation of Rainfall Erosivity Factor Estimation Using Machine and Deep Learning Models. Water (Switzerland), 2021, 13, 382.	2.7	17
14	Estimation of rainfall erosivity factor in Italy and Switzerland using Bayesian optimization based machine learning models. Catena, 2022, 211, 105957.	5.0	17
15	Assessing the effect of watershed slopes on recharge/baseflow and soil erosion. Paddy and Water Environment, 2014, 12, 169-183.	1.8	14
16	Contribution of Internal Nutrients Loading on the Water Quality of a Reservoir. Water (Switzerland), 2019, 11, 1409.	2.7	14
17	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
18	Hydrologic Response Unit Routing in SWAT to Simulate Effects of Vegetated Filter Strip for South-Korean Conditions Based on VFSMOD. Water (Switzerland), 2011, 3, 819-842.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Prediction of Aquatic Ecosystem Health Indices through Machine Learning Models Using the WGAN-Based Data Augmentation Method. Sustainability, 2021, 13, 10435.	3.2	12
20	The Effect of Reduced Flow on Downstream Water Systems Due to the Kumgangsan Dam under Dry Conditions. Water (Switzerland), 2019, 11, 739.	2.7	11
21	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
22	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
23	Approach of Land Cover Based Asymptotic Curve Number Regression Equation to Estimate Runoff. Irrigation and Drainage, 2016, 65, 94-104.	1.7	10
24	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
25	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
26	Web-Based BFlow System for the Assessment of Streamflow Characteristics at National Level. Water (Switzerland), 2016, 8, 384.	2.7	9
27	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
28	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. Water (Switzerland), 2019, 11, 718.	2.7	8
29	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
30	Evaluation of Regression Models of LOADEST and Eight-Parameter Model for Nitrogen Load Estimations. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	7
31	Soil Moisture–Vegetation–Carbon Flux Relationship under Agricultural Drought Condition using Optical Multispectral Sensor. Remote Sensing, 2020, 12, 1359.	4.0	6
32	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
33	Development of a Soil Organic Matter Content Prediction Model Based on Supervised Learning Using Vis-NIR/SWIR Spectroscopy. Sensors, 2022, 22, 5129.	3.8	6
34	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
35	Comparison of Machine Learning Algorithms for Discharge Prediction of Multipurpose Dam. Water (Switzerland), 2021, 13, 3369.	2.7	5
36	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

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37	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
38	Modification of SWAT auto-calibration for accurate flow estimation at all flow regimes. Paddy and Water Environment, 2016, 14, 499-508.	1.8	4
39	Evaluation of Sediment Trapping Efficiency of Vegetative Filter Strips Using Machine Learning Models. Sustainability, 2019, 11, 7212.	3.2	4
40	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
41	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
42	Development and Application of a QGIS-Based Model to Estimate Monthly Streamflow. ISPRS International Journal of Geo-Information, 2022, 11, 40.	2.9	3
43	Analysis of Water Balance Changes and Parameterization Reflecting Soil Characteristics in a Hydrological Simulation Programâ€"FORTRAN Model. Water (Switzerland), 2022, 14, 990.	2.7	3
44	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
45	Effects of Slope Magnitude and Length on SWAT Baseflow Estimation. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, 04018037.	1.0	1
46	Development of Novel QAPEX Analysis System Using Open-Source GIS. Sustainability, 2022, 14, 8199.	3.2	0