

# Jung-Hun Song

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

322  
citations

840776

11  
h-index

940533

16  
g-index

41  
all docs

41  
docs citations

41  
times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Balance in Irrigation Reservoirs Considering Flood Control and Irrigation Efficiency Variation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	1.0	28
2	Integrated sediment transport process modeling by coupling Soil and Water Assessment Tool and Environmental Fluid Dynamics Code. <i>Environmental Modelling and Software</i> , 2019, 116, 26-39.	4.5	28
3	Evaluating the Impact of Climate Change on Paddy Water Balance Using APEX-Paddy Model. <i>Water (Switzerland)</i> , 2020, 12, 852.	2.7	23
4	Simulink Implementation of a Hydrologic Model: A Tank Model Case Study. <i>Water (Switzerland)</i> , 2017, 9, 639.	2.7	22
5	Exploring parsimonious daily rainfall-runoff model structure using the hyperbolic tangent function and Tank model. <i>Journal of Hydrology</i> , 2019, 574, 574-587.	5.4	22
6	Regionalization of a Rainfall-Runoff Model: Limitations and Potentials. <i>Water (Switzerland)</i> , 2019, 11, 2257.	2.7	18
7	Prediction of the effects of management practices on discharge and mineral nitrogen yield from paddy fields under future climate using APEX-paddy model. <i>Agricultural Water Management</i> , 2020, 241, 106345.	5.6	18
8	Comparing Farming Methods in Pollutant runoff loads from Paddy Fields using the CREAMS-PADDY Model. <i>Korean Journal of Environmental Agriculture</i> , 2012, 31, 318-327.	0.4	15
9	Surface Drainage Simulation Model for Irrigation Districts Composed of Paddy and Protected Cultivation. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013, 55, 63-73.	0.1	15
10	Application of the SWAT-EFDC Linkage Model for Assessing Water Quality Management in an Estuarine Reservoir Separated by Levees. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3911.	2.5	14
11	Long-term evaluation of the BMPs scenarios in reducing nutrient surface loads from paddy rice cultivation in Korea using the CREAMS-PADDY model. <i>Paddy and Water Environment</i> , 2017, 15, 59-69.	1.8	11
12	Estimating Reservoir Inflow and Outflow From Water Level Observations Using Expert Knowledge: Dealing With an Ill-Posed Water Balance Equation in Reservoir Management. <i>Water Resources Research</i> , 2022, 58, .	4.2	11
13	Evaluating the performance of climate models in reproducing the hydrological characteristics of rainfall events. <i>Hydrological Sciences Journal</i> , 2020, 65, 1490-1511.	2.6	10
14	Lessons from Assessing Uncertainty in Agricultural Water Supply Estimation for Sustainable Rice Production. <i>Agronomy</i> , 2019, 9, 662.	3.0	9
15	Flood Vulnerability Assessment for Prioritizing and Evaluating Rehabilitation of Ungauged Reservoirs Considering Climate Change. <i>Water (Switzerland)</i> , 2020, 12, 1901.	2.7	8
16	Development of a Component-Based Modeling Framework for Agricultural Water-Resource Management. <i>Water (Switzerland)</i> , 2016, 8, 351.	2.7	7
17	Analysis of Nutrient Load Balance in the Reservoir Irrigated Paddy Block. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013, 55, 167-175.	0.1	7
18	Assessing the Potential of Agricultural Reservoirs as the Source of Environmental Flow. <i>Water (Switzerland)</i> , 2021, 13, 508.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Immediate influences of a large dam construction on local storm event patterns and weather variables: a case study of the Three Gorges Project. <i>Weather</i> , 2020, 75, 99-103.	0.7	5
20	Assessing the Effects of Irrigation Water Salinity on Two Ornamental Crops by Remote Spectral Imaging. <i>Agronomy</i> , 2021, 11, 375.	3.0	5
21	Paddy Field Modelling System For Water Quality Management. <i>Irrigation and Drainage</i> , 2016, 65, 131-142.	1.7	4
22	Characteristics of Arsenic Leached from Sediments: Agricultural Implications of Abandoned Mines. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4628.	2.5	4
23	Uncertainty in Irrigation Return Flow Estimation: Comparing Conceptual and Physically-Based Parameterization Approaches. <i>Water (Switzerland)</i> , 2020, 12, 1125.	2.7	4
24	Design and Implementation of IoT-Based Intelligent Platform for Water Level Monitoring. <i>Journal of Korean Society of Rural Planning</i> , 2015, 21, 177-186.	0.1	4
25	Analysis of Land Use Change Using RCP-Based Dyna-CLUE Model in the Hwangguji River Watershed. <i>Journal of Korean Society of Rural Planning</i> , 2015, 21, 33-49.	0.1	3
26	Characteristics and EMCs of NPS Pollutants Runoff from a Forest-Paddy Composite Watershed. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2012, 54, 9-17.	0.1	3
27	Development of IDF Curves Based on RCP4.5 Scenario for 30-Reservoirs in South Korea. <i>Korean Society of Hazard Mitigation</i> , 2013, 13, 145-159.	0.2	3
28	Effects of Controlled Drainage and Slow-release Fertilizer on Nutrient Pollutant Loads from Paddy Fields. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2016, 58, 1-10.	0.1	3
29	Evaluating the Applicability of Drainage Routing Schemes for Paddy Fields. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, 04020027.	1.0	2
30	Assessment of Flood Impact on Downstream of Reservoir Group at Hwangryong River Watershed. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2012, 54, 103-111.	0.1	2
31	Development of Relational Database Management System for Agricultural Non-point Source Pollution Control. <i>Journal of Korean Society of Rural Planning</i> , 2013, 19, 319-327.	0.1	2
32	Development of agricultural reservoir water supply simulation system. <i>Journal of Korean Society of Rural Planning</i> , 2014, 20, 103-114.	0.1	2
33	Probabilistic Risk Assessment of Flood Disaster in South Korea Under The Impact Of Climate Change. <i>Irrigation and Drainage</i> , 2016, 65, 16-25.	1.7	1
34	An Alternative for Estimating the Design Flood Interval of Agricultural Reservoirs under Climate Change Using a Non-Parametric Resampling Technique. <i>Water (Switzerland)</i> , 2020, 12, 1894.	2.7	1
35	Development and Assessment of Watershed Management Indicators Using the Budyko Framework Parameter. <i>Sustainability</i> , 2021, 13, 3864.	3.2	1
36	Flood Inundation Analysis in a Low-lying Rural Area using HEC-HMS and HEC-RAS. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2012, 54, 1-6.	0.1	1

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37	Estimation of Design Flood for the Gyeryong Reservoir Watershed based on RCP scenarios. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 47-57.	0.1	0
38	Web-Based Data Processing and Model Linkage Techniques for Agricultural Water-Resource Analysis. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 101-111.	0.1	0
39	Design Flood Estimation in the Hwangguji River Watershed under Climate and Land Use Changes Scenario. Journal of the Korean Society of Agricultural Engineers, 2016, 58, 39-51.	0.1	0
40	Hydrologic Modeling for Agricultural Reservoir Watersheds Using the COMFARM. Journal of the Korean Society of Agricultural Engineers, 2016, 58, 71-80.	0.1	0