

# Jin-Yong Choi

## List of Publications by Year in descending order

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47  
papers

1,161  
citations

361413

20  
h-index

395702

33  
g-index

47  
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docs citations

47  
times ranked

1111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Groove Shape on Head Loss and Filtration Performance of Disc Filters. <i>Water (Switzerland)</i> , 2021, 13, 1683.	2.7	2
2	Effects of shift in growing season due to climate change on rice yield and crop water requirements. <i>Paddy and Water Environment</i> , 2020, 18, 291-307.	1.8	23
3	Food-centric interlinkages in agricultural food-energy-water nexus under climate change and irrigation management. <i>Resources, Conservation and Recycling</i> , 2020, 163, 105099.	10.8	39
4	Assessing the Resilience of Agricultural Reservoirs in Ungauged Catchments under Climate Change Using a Ratio Correction Factors-Based Calibration and Run Theory. <i>Water (Switzerland)</i> , 2020, 12, 1618.	2.7	4
5	GCM-related uncertainty in forecasting irrigation and design water requirement for paddy rice fields. <i>International Journal of Climatology</i> , 2018, 38, 1298-1313.	3.5	7
6	An Analysis of the Water-Energy-Food-Land Requirements and CO2 Emissions for Food Security of Rice in Japan. <i>Sustainability</i> , 2018, 10, 3354.	3.2	20
7	Water footprint for Korean rice products and virtual water trade in a water-energy-food nexus. <i>Water International</i> , 2018, 43, 871-886.	1.0	9
8	Evaluation of external virtual water export and dependency through crop trade: an Asian case study. <i>Paddy and Water Environment</i> , 2017, 15, 525-539.	1.8	7
9	A Wireless Sensor Network (WSN) application for irrigation facilities management based on Information and Communication Technologies (ICTs). <i>Computers and Electronics in Agriculture</i> , 2017, 143, 185-192.	7.7	42
10	&lt;i&gt;Irrigation Management for red pepper using high resolution weather data&lt;/i&gt;. , 2017, , .		0
11	Assessment of the Impact of Climate Change on Drought Characteristics in the Hwanghae Plain, North Korea Using Time Series SPI and SPEI: 1981â€“2100. <i>Water (Switzerland)</i> , 2017, 9, 579.	2.7	58
12	Regional Climate Change Impacts on Irrigation Vulnerable Season Shifts in Agricultural Water Availability for South Korea. <i>Water (Switzerland)</i> , 2017, 9, 735.	2.7	16
13	Irrigation Canal Network Flow Analysis by a Hydraulic Model. <i>Irrigation and Drainage</i> , 2016, 65, 57-65.	1.7	12
14	Irrigation and Drainage in Korea and ICT Applications. <i>Irrigation and Drainage</i> , 2016, 65, 157-164.	1.7	1
15	Evaluation of the Dependency and Intensity of the Virtual Water Trade in Korea. <i>Irrigation and Drainage</i> , 2016, 65, 48-56.	1.7	3
16	Effects of climate change on paddy water use efficiency with temporal change in the transplanting and growing season in South Korea. <i>Irrigation Science</i> , 2016, 34, 443-463.	2.8	13
17	Decision Support System for the Real-time Operation and Management of an Agricultural Water Supply. <i>Irrigation and Drainage</i> , 2016, 65, 197-209.	1.7	11
18	Estimation of potential water requirements using water footprint for the target of food self-sufficiency in South Korea. <i>Paddy and Water Environment</i> , 2016, 14, 259-269.	1.8	12

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19	Assessment of water delivery efficiency in irrigation canals using performance indicators. Irrigation Science, 2016, 34, 129-143.	2.8	41
20	Projected irrigation requirements for upland crops using soil moisture model under climate change in South Korea. Agricultural Water Management, 2016, 165, 163-180.	5.6	34
21	Irrigation vulnerability assessment on agricultural water supply risk for adaptive management of climate change in South Korea. Agricultural Water Management, 2015, 152, 173-187.	5.6	52
22	Has climate change already affected the spatial distribution and temporal trends of reference evapotranspiration in South Korea?. Agricultural Water Management, 2015, 150, 129-138.	5.6	50
23	Trend Analysis of Projected Climate Data based on CMIP5 GCMs for Climate Change Impact Assessment on Agricultural Water Resources. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 69-80.	0.1	5
24	Estimation of Water Footprint for Livestock Products in Korea. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 85-92.	0.1	2
25	Estimating water footprint of paddy rice in Korea. Paddy and Water Environment, 2014, 12, 43-54.	1.8	59
26	Development of an irrigation vulnerability assessment model in agricultural reservoirs utilizing probability theory and reliability analysis. Agricultural Water Management, 2014, 142, 115-126.	5.6	40
27	Evaluating spatial centrality for integrated tourism management in rural areas using GIS and network analysis. Tourism Management, 2013, 34, 14-24.	9.8	102
28	MONITORING OF SHALLOW GROUNDWATER SALINITY IN LIVESTOCK MANURE APPLICATIONS TO RECLAIMED TIDAL LAND. Irrigation and Drainage, 2013, 62, 63-74.	1.7	2
29	A decision support system for agricultural drought management using risk assessment. Paddy and Water Environment, 2012, 10, 197-207.	1.8	57
30	Analysis of design water requirement of paddy rice using frequency analysis affected by climate change in South Korea. Agricultural Water Management, 2012, 112, 33-42.	5.6	29
31	A real-time online drought broadcast system for monitoring soil moisture index. KSCE Journal of Civil Engineering, 2012, 16, 357-365.	1.9	24
32	Estimation of the international virtual water flow of grain crop products in Korea. Paddy and Water Environment, 2012, 10, 83-93.	1.8	11
33	Developing Model of Drought Climate Scenarios for Agricultural Drought Mitigation. Journal of the Korean Society of Agricultural Engineers, 2012, 54, 67-75.	0.1	1
34	Estimating Blue, Green and Grey Water of Paddy Rice in Korea. , 2011, , .		0
35	Prediction of paddy field change based on climate change scenarios using the CLUE model. Paddy and Water Environment, 2011, 9, 309-323.	1.8	12
36	Estimation of Crop Virtual Water in Korea. Journal of Korea Water Resources Association, 2009, 42, 911-920.	0.2	8

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37	Estimation of Paddy Rice Evapotranspiration Considering Climate Change Using LARS-WG. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 25-35.	0.1	18
38	Estimation of design water requirement using FAO Penman-Monteith and optimal probability distribution function in South Korea. Agricultural Water Management, 2008, 95, 845-853.	5.6	39
39	A spatial reasoning approach to estimating paddy rice water demand in Hwanghaenam-do, North Korea. Agricultural Water Management, 2007, 89, 185-198.	5.6	25
40	Estimation of Paddy Rice Crop Coefficients for FAO Penman-Monteith and Modified Penman Method. Journal of the Korean Society of Agricultural Engineers, 2006, 48, 13-23.	0.1	15
41	Watershed Scale Drought Assessment using Soil Moisture Index. Journal of the Korean Society of Agricultural Engineers, 2006, 48, 3-13.	0.1	9
42	Web-based GIS and spatial decision support system for watershed management. Journal of Hydroinformatics, 2005, 7, 165-174.	2.4	62
43	Development of A Single Reservoir Agricultural Drought Evaluation Model for Paddy. Journal of the Korean Society of Agricultural Engineers, 2004, 46, 17-30.	0.1	11
44	Web-based DSS for hydrologic impact evaluation of small watershed land use changes. Computers and Electronics in Agriculture, 2003, 39, 241-249.	7.7	59
45	GIS BASED LONG TERM HYDROLOGIC IMPACT EVALUATION FOR WATERSHED URBANIZATION1. Journal of the American Water Resources Association, 2003, 39, 623-635.	2.4	36
46	Real-Time Watershed Delineation System Using Web-GIS. Journal of Computing in Civil Engineering, 2003, 17, 189-196.	4.7	17
47	Daily streamflow modelling and assessment based on the curve-number technique. Hydrological Processes, 2002, 16, 3131-3150.	2.6	62