

# Taegon Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

364  
citations

1051969

10  
h-index

939365

18  
g-index

49  
all docs

49  
docs citations

49  
times ranked

484  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Environmentally Extended Input–Output Model to Assess the Greenhouse Gas Impact of Electronics in South Korea. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2107-2114.	4.6	6
2	The critical benefits of snowpack insulation and snowmelt for winter wheat productivity. <i>Nature Climate Change</i> , 2022, 12, 485-490.	8.1	19
3	KGML-ag: a modeling framework of knowledge-guided machine learning to simulate agroecosystems: a case study of estimating N&lt;sub&gt;2&lt;/sub&lt;sub&gt;O emission using data from mesocosm experiments. <i>Geoscientific Model Development</i> , 2022, 15, 2839-2858.	1.3	13
4	Quantifying nitrogen loss hotspots and mitigation potential for individual fields in the US Corn Belt with a metamodeling approach. <i>Environmental Research Letters</i> , 2021, 16, 075008.	2.2	5
5	Land use leverage points to reduce GHG emissions in U.S. agricultural supply chains. <i>Environmental Research Letters</i> , 2021, 16, 115002.	2.2	7
6	Effects of Spatial Scale on Life Cycle Inventory Results. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1293-1303.	4.6	17
7	Assessment of Vulnerability to Drought Disaster in Agricultural Reservoirs in South Korea. <i>Atmosphere</i> , 2020, 11, 1244.	1.0	10
8	Unique water scarcity footprints and water risks in US meat and ethanol supply chains identified via subnational commodity flows. <i>Environmental Research Letters</i> , 2020, 15, 105018.	2.2	15
9	The Fingerprint of Climate Change and Urbanization in South Korea. <i>Atmosphere</i> , 2018, 9, 273.	1.0	7
10	Analysis of Drought Intensity and Trends Using the Modified SPEI in South Korea from 1981 to 2010. <i>Water (Switzerland)</i> , 2018, 10, 327.	1.2	45
11	Environmental Implications of Eco-Labeling for Rice Farming Systems. <i>Sustainability</i> , 2018, 10, 1050.	1.6	7
12	Subnational mobility and consumption-based environmental accounting of US corn in animal protein and ethanol supply chains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7891-E7899.	3.3	51
13	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.	3.7	42
14	Regional Climate Change Impacts on Irrigation Vulnerable Season Shifts in Agricultural Water Availability for South Korea. <i>Water (Switzerland)</i> , 2017, 9, 735.	1.2	16
15	Contribution of Agricultural Infrastructure to Rural Development in the Republic of Korea. <i>Irrigation and Drainage</i> , 2016, 65, 40-47.	0.8	5
16	Analysis of the Implication of Accessibility to Community Facilities for Land Price in Rural Areas using a Hedonic Land Price Model. <i>Journal of Korean Society of Rural Planning</i> , 2016, 22, 93-100.	0.0	4
17	Numerical Solution of Second Order Linear Partial Differential Equations using Agricultural Systems Application Platform. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2016, 58, 81-90.	0.1	0
18	Trend Analysis of Published Research Papers in the Field of “Rural Planning” in Korean Society of Rural Planning using Bibliometrics Methods (1995-2014). <i>Journal of Korean Society of Rural Planning</i> , 2016, 22, 1-11.	0.0	0

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19	Analysis of Influencing Export Factors of Major Agricultural Products for ASEAN using Panel Gravity Model. Journal of Korean Society of Rural Planning, 2016, 22, 103-114.	0.0	0
20	Design and Implementation of Reference Evapotranspiration Database for Future Climate Scenarios. Journal of Korean Society of Rural Planning, 2016, 22, 71-80.	0.0	1
21	Assessment of Accessibility to Medical Facilities in Rural Areas using Real Road Distance focusing on Pyeongchang-gun. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 39-49.	0.1	5
22	Water Supply Risk Assessment of Agricultural Reservoirs using Irrigation Vulnerability Model and Cluster Analysis. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 59-67.	0.1	2
23	Analysis of Construction Plans of Rapid Charging Infrastructures based on Gas Stations in Rural Areas to Propagate Electric Vehicles. Journal of Korean Society of Rural Planning, 2015, 21, 19-28.	0.0	0
24	Assessment of Rice Cultivation in Rural Areas from E3 (Energy, Environment, and Economy) Perspectives. Journal of Korean Society of Rural Planning, 2015, 21, 1-8.	0.0	1
25	Environmental and Economic Implications of Bioethanol Blending for the Renewable Fuel Standard in South Korea. Transactions of the ASABE, 2014, , 1415-1424.	1.1	1
26	Estimating water footprint of paddy rice in Korea. Paddy and Water Environment, 2014, 12, 43-54.	1.0	59
27	Analysis of Vulnerable Districts for Electronic Vehicle Charging Infrastructure based on Gas Stations. Journal of Korean Society of Rural Planning, 2014, 20, 137-143.	0.0	2
28	Analysis of Network Chain using Dynamic Convolution Model. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 11-20.	0.1	0
29	Development of a Truss Structure Analysis Model based on Cellular Automata and Object-oriented Simulation Environment. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 1-9.	0.1	0
30	Estimating Real-time Inundation Vulnerability Index at Point-unit Farmland Scale using Fuzzy set. Journal of Korean Society of Rural Planning, 2014, 20, 1-10.	0.0	0
31	Projection of Future Water Supply Sustainability in Agricultural Reservoirs under RCP Climate Change Scenarios. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 59-68.	0.1	1
32	Development of GASS2 through Improving Inter-component Connection and Communication Modules. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 29-36.	0.1	0
33	Development of RESTful Web Service for Loading Data focusing on Daily Meteorological Data. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 93-102.	0.1	1
34	Emergy Evaluation of Resource Values for Rice Paddy Production in South Korea. Journal of Korean Society of Rural Planning, 2014, 20, 35-43.	0.0	0
35	Estimating Employment-Related Migration from Overlapping Migration and Commuting Networks. Growth and Change, 2013, 44, 474-493.	1.3	4
36	Development of Multi-platform 3D Interactive Rural Landscape Simulator with Low-cost Web GIS and Game Engine. Journal of Korean Society of Rural Planning, 2013, 19, 177-189.	0.0	1

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37	Quantitative Effect Evaluation and Spatial Autocorrelation Analysis of Rural Development Projects. Journal of Korean Society of Rural Planning, 2013, 19, 107-120.	0.0	0
38	Reliability Analysis of the Non-normal Probability Problem for Limited Area using Convolution Technique. Journal of the Korean Society of Agricultural Engineers, 2013, 55, 49-58.	0.1	0
39	Estimation of the international virtual water flow of grain crop products in Korea. Paddy and Water Environment, 2012, 10, 83-93.	1.0	11
40	Evaluation of Irrigation Vulnerability Characteristic Curves in Agricultural Reservoir. Journal of the Korean Society of Agricultural Engineers, 2012, 54, 39-44.	0.1	1
41	Mobile Device Development Using RFID and QR Code Technology for Real Time Information Management of Irrigation Facilities. , 2011, , .		1
42	Wireless Sensor Network Development using RFID for Agricultural Water Management. , 2011, , .		0
43	Estimating Blue, Green and Grey Water of Paddy Rice in Korea. , 2011, , .		0
44	Evaluations of Potential Biofuels and Environmental Implications with Latent Biomass Resources in South Korea. Journal of the Korean Society of Agricultural Engineers, 2010, 52, 35-44.	0.1	1
45	Reliability Analysis for Price Forecasting of Chinese Cabbage. Journal of the Korean Society of Agricultural Engineers, 2008, 50, 71-79.	0.1	2
46	Development of a Korean Rural Information Support System: Integrated Database Design for Rural Data in South Korea. , 2007, , .		0