

List of Peer-Reviewed Journal Papers

- 28 **Kim, J.**, Han, H., Kim, B., Chen, H., Lee, J. (2020): A high-resolution-satellite-based rainfall erosivity map: a case study of the United States, *Catena*, 193, 104602.
- 27 **Kim, J.**, Read, L., Johnson, L., Cifelli, R., Gochis, D. Han, H. (2020): An Experiment of Reservoir Representation Schemes to Improve Hydrologic Prediction: Based on Coupling the National Water Model with the HEC-ResSim. *Hydrological Sciences Journal*, 65 (10), 1652-1666.
- 26 **Kim, J.**, Johnson, L., Cifelli, R., and Chandrasekar, V. (2019): Assessment of Antecedent Moisture Condition on Flood Frequency using a Distributed Hydrologic Model: A Case Study in Napa Basin, CA. *Journal of Hydrology: Regional Studies*, Vol. 26, 100629.
- 25 Han, H., **Kim, J. (corresponding author)**, Chandrasekar, V., Choi, J., Lim, S. (2019): Modeling Streamflow Enhanced by Precipitation from Atmospheric Rivers using the NOAA National Water Model: A Case Study of Russian River Basin on February 2004, *Atmosphere*, Vol. 10, No. 8.
- 24 **Kim, J.**, Han, H., Johnson, L. E., Lim, S., Cifelli, R. (2019): Hybrid Machine Learning Framework for Hydrological Assessment, *Journal of Hydrology*, Vol. 577.
- 23 **Kim, J.**, Kim, T. (2019): An Optimization of Distributed Hydrologic Model using Multi-Objective Optimization Method. *Journal of Wetlands Research*, Vol. 21, No. 1, pp. 1-8.
- 22 **Kim, J.**, Johnson, L., Cifelli, R., Choi, J., and Chandrasekar, V. (2018): Derivation of Soil Moisture Recovery Relation Using SCS Curve Number Method. *Water*, Vol. 10, No. 7, pp. 1-21.
- 21 **Kim, J.**, Lee, J., Song, Y., Han, H., and Joo, J. (2018): Modeling the Runoff Reduction Effect of Low Impact Development Installations in an Industrial Area, South Korea. *Water*, Vol. 10, No. 8, pp. 1-15.
- 20 **Kim, J.** and Joo, J. (2017): Evaluation of the Effect of Low Impact Development on the Subbain-based Stormwater Reduction. *Journal of Korean Society of Hazard Mitigation*, Vol. 17, No. 6, pp. 523-532.
- 19 **Kim, J.** and Joo, J. (2017): A Study on the Performance Comparison of the Low Impact Development Facilities for Long-term Stormwater Reduction. *Journal of Korean Society of Hazard Mitigation*, Vol. 17, No. 5, pp. 337-344.
- 18 **Kim, J.**, Choi, S., and Joo, J. (2017): EPA SWMM-LID Modeling for Low Impact Development. *Journal of Korean Society of Hazard Mitigation*, Vol. 17, No. 2, pp. 415-424.
- 17 Yoo, C., Ku, J., Yoon, J., **Kim, J.** (2016): Evaluation of Error Indices of Radar Rain Rate Targeting Rainfall-Runoff Analysis. *ASCE Journal of Hydrologic Engineering*, Vol. 21, No. 9.
- 16 Yoo, C., Yoon, J., **Kim, J.** Ro, Y. (2016): Evaluation of the Gap Filler Radar as an Implementation of the 1.5 km CAPPI Data in Korea. *Meteorological Applications*, Vol. 23, No. 1, pp. 76-88.
- 15 **Kim, J.**, Lee, J., Park, M., and Joo, J. (2016): Effect of Climate Change Scenarios and Regional Climate Models on the Drought Severity-Duration-Frequency Analysis. *Journal of Korean Society*

- of Hazard Mitigation, Vol. 16, No. 2, pp. 351-361.
- 14 **Kim, J.**, Kim, S., Park, M., and Joo, J. (2016): A Comparison of Drought Prospection by Future Climate Models. Journal of Korean Society of Hazard Mitigation, Vol. 16, No. 2, pp. 463-472.
- 13 **Kim, J.**, Kim, S., and Joo, J. (2016): Analysis of Drought Characteristics Depending on RCP Scenarios at Korea. Journal of Korea Water Resources Association, Vol. 49, No.4, pp. 293-303.
- 12 **Kim, J.**, Yoo, C., Lim, S., Choi, J., 2015: Usefulness of Relay-Information-Transfer for Radar QPE. Journal of Hydrology, Vol. 531, pp. 308-319.
- 11 Joo, J., Kim, S., Park, M., **Kim, J. (corresponding author)**, 2015: Evaluation and Calibration Method Proposal of RCP Daily Precipitation Data. Journal of Korean Society of Hazard Mitigation, Vol. 15, No. 2, pp. 79-91.
- 10 **Kim, J.**, Park, M., and Joo, J. (2015): Comparison of Characteristics and Spatial Distribution Tendency of Daily Precipitation Based on the Regional Climate Models for the Korean Peninsula. Journal of Korean Society of Hazard Mitigation, Vol. 15, No. 4, pp. 59-70.
- 9 **Kim, J.** and Joo, J. (2015): Characteristics of Daily Precipitation Data Based on the Detailed Climate Change Ensemble Scenario Depending on the Regional Climate Models and the Calibration. Journal of Korean Society of Hazard Mitigation, Vol. 15, No. 4, pp. 261-272.
- 8 **Kim, J.**, Yoo, C., 2014: Use of a Dual Kalman Filter for Real-Time Correction of Mean Field Bias of Radar Rain Rate. Journal of Hydrology, Vol. 519, Part D, pp. 2785-2796.
- 7 **Kim, J.**, Yoo, C., Park, M., Joo, J., 2014: Effect of Changes in Soil Maps on the Effective Rainfall based on SCS CN Method. Journal of Korean Society of Hazard Mitigation, Vol. 14, No. 5, pp. 283-291.
- 6 **Kim, J.**, Yoo, C., Park, M., Joo, J., 2014: Evaluation of Problems to Apply Runoff Curve Number to Mountain Area in Korea. Journal of Korean Society of Hazard Mitigation, Vol. 14, No. 5, pp. 293-298.
- 5 **Kim, J.**, Yoo, C., 2014: Use to Extended Kalman Filter for Real-Time Decision of Parameters of Z-R Relationship. Journal of Korea Water Resources Association, Vol. 47, No. 2, pp. 119-133.
- 4 Yoo, C., Park, C., Yoon, J., **Kim, J.**, 2014: Interpretation of Mean-Field Bias Correction of Radar Rain Rate using the Concept of Linear Regression, Hydrological Processes, Vol. 28, No. 19, pp. 5081-5092.
- 3 Yoo, C., **Kim, J. (corresponding author)**, Yoon, J., 2012: Uncertainty of Areal Average Rainfall and its Effect on Runoff Simulation: A Case Study for the Chungju Dam Basin, Korea, KSCE Journal of Civil Engineering, Vol. 16, No. 6, pp. 1085-1092.
- 2 Yoo, C., Hwang, J., **Kim, J. (corresponding author)**, 2012: Use of the Extended Kalman Filter for the Real-Time Quality Improvement of Runoff Data: 1. Algorithm Construction and Application to One Station, Journal of Korea Water Resources Association, Vol. 45, No.7, pp. 697-711.

- 1 Yoo, C., **Kim, J. (corresponding author)**, Chung, J. H., Yang, D. M., 2011. Mean Field Bias Correction of the Very-Short-Range-Forecast Rainfall using the Kalman Filter. Journal of Korean Society of Hazard Mitigation, Vol. 11, pp. 17-28.