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학력

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주요경력

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- 2021 년 12 월 MSSANZ Early Career Research Excellence (ECRE) Award
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5. Zhang, R., Kim, S.(교신), Kim, H., Fang, B., Sharma, A., & Lakshmi, V. (2023). Temporal Gap-Filling of 12-Hourly SMAP Soil Moisture Over the CONUS Using Water Balance Budgeting, *Water Resour. Res.*, 59(12), e2023WR034457, **[5.4]**
6. Tie, J., Kim, S.(교신), & Sharma, A. (2023). How does increasing temperature affect the sub-annual distribution of monthly rainfall? *Environmental Research: Climate*, 2(1), 015004, **[-]**
7. Visser J., Kim S., Wasko C., Nathan R., Sharma A. (2022) The impact of climate change on operational estimates of Probable Maximum Precipitation, *Water Resour. Res.,* 58(11), e2022WR032247, **[5.4]**
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9. Kim S., Sharma A., Wasko C., Nathan R. (2022) Linking total precipitable water to precipitation extremes globally, *Earth's Future,* 10(2), e2021EF002473, **[8.2]**
10. Yoon H.N., Marshall L., Sharma A., Kim S. (2022) Bayesian model calibration using surrogate streamflow in ungauged catchments, *Water Resour. Res.,* 58, e2021WR031287, **[5.4]**

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15. Kim S., Mehrotra R., Kim S., Sharma A. (2021) Probabilistic forecasting of Cyanobacterial concentration in riverine systems using environmental drivers, *J. Hydrol.*, 593, 125626, [6.4]
16. Zhang R., Kim S.(교신), Sharma A., Lakshmi V. (2021). Identifying relative strengths of SMAP, SMOS-IC, and ASCAT to capture temporal variability using a model combination approach, *Remote Sens. Environ.*, 252, 112126, [13.5]
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18. Kim S., Pham H., Liu Y., Marshall L., Sharma A. (2020). Improving the combination of satellite soil moisture datasets by considering error cross-correlation: A comparison between triple collocation (TC) and extended double instrumental variable (EIVD) alternatives, *IEEE Trans. Geosci. Remote Sens.*, 59(9), 7285-7295, [8.2]
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21. Kim T., Ley T., Kang S., Davis J., Kim S., Amrollahi P. (2020). Using Particle Composition of Fly Ash to Predict Strength and Resistivity of Concrete, *Cem. Concr. Compos.,* 107, 103493, [10.5]
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❖ 컨퍼런스

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국제학술대회 (주발표자)

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3. Kim S., Zhang R., Sharma A., Lakshmi V. Improvements of satellite observations through data merging: status and challenges, *AGU fall meeting 2020*, San Francisco, CA, USA
4. Kim S., Pham H., Liu Y., Sharma A., Marshall L. Combining geophysical variables for maximizing temporal correlation without reference data, *MODSIM 2019*, Canberra, Australia
5. Kim S.(초청), Guo Y., Wasko C., Sharma A. On soil moisture, rain and flood extremes in a warming climate – using satellite remote sensing to define future antecedent conditions, *KSCC 2018*, Jeju, Republic of Korea
6. Kim S., Ajami H., Sharma A. Incorporating an operational satellite-derived leaf area index into a computationally efficient semi-distributed hydrologic modelling application (SMART), *MODSIM 2017*, Hobart, Australia
7. Kim S., Liu Y., Johnson F., Sharma A. A temporal correlation-based approach for spatial disaggregation of remotely sensed soil moisture, *AGU fall meeting 2016*, San Francisco, CA, USA
8. Kim S., Liu Y., Johnson F., Parinussa R., Sharma A. Reducing Structural Uncertainty in AMSR2 Soil Moisture Using a Model Combination Approach, *AGU fall meeting 2014*, San Francisco, CA, USA
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