

Jongjin Baik

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,947
citations

304368

22
h-index

253896

43
g-index

53
all docs

53
docs citations

53
times ranked

2532
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of multiple drought indices using a triple collocation approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 1177-1195.	1.9	5
2	Comparative analysis of two drought indices in the calculation of drought recovery time and implications on drought assessment: East Africa's Lake Victoria Basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 1943-1958.	1.9	10
3	Comprehensive analysis of GEO-KOMPSAT-2A and FengYun satellite-based precipitation estimates across Northeast Asia. <i>GIScience and Remote Sensing</i> , 2022, 59, 782-800.	2.4	4
4	Advances in evapotranspiration prediction using gross primary productivity based on eco-physiological constraints. <i>Hydrological Processes</i> , 2022, 36, .	1.1	2
5	Urban Heat Island associated with Land Use/Land Cover and climate variations in Melbourne, Australia. <i>Sustainable Cities and Society</i> , 2021, 69, 102861.	5.1	37
6	Combining generalized complementary relationship models with the Bayesian Model Averaging method to estimate actual evapotranspiration over China. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107759.	1.9	13
7	Agricultural drought assessment based on multiple soil moisture products. <i>Journal of Arid Environments</i> , 2019, 167, 43-55.	1.2	24
8	Impact of Biophysical Mechanisms on Urban Heat Island Associated with Climate Variation and Urban Morphology. <i>Scientific Reports</i> , 2019, 9, 19503.	1.6	35
9	Hydrological severity assessment of extreme climate conditions. <i>International Journal of Climatology</i> , 2019, 39, 2725-2736.	1.5	4
10	Stand-alone uncertainty characterization of GLEAM, GLDAS and MOD16 evapotranspiration products using an extended triple collocation approach. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 256-268.	1.9	157
11	Multi-satellite-based water budget components in South Korea. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	2
12	Assessment of satellite- and reanalysis-based evapotranspiration products with two blending approaches over the complex landscapes and climates of Australia. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 388-398.	1.9	34
13	A comparative assessment of SWAT-model-based evapotranspiration against regional-scale estimates. <i>Ecological Engineering</i> , 2018, 122, 1-9.	1.6	14
14	Satellite-based crop coefficient and evapotranspiration using surface soil moisture and vegetation indices in Northeast Asia. <i>Catena</i> , 2017, 156, 305-314.	2.2	34
15	Evaluation of topographical and seasonal feature using GPM IMERG and TRMM 3B42 over Far-East Asia. <i>Atmospheric Research</i> , 2017, 187, 95-105.	1.8	171
16	Accuracy comparison of remotely sensed evapotranspiration products and their associated water stress footprints under different land cover types in Korean peninsula. <i>Journal of Cleaner Production</i> , 2017, 155, 93-104.	4.6	61
17	Downscaling of AMSR-E soil moisture with MODIS products using machine learning approaches. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	125
18	Geospatial blending to improve spatial mapping of precipitation with high spatial resolution by merging satellite-based and ground-based data. <i>Hydrological Processes</i> , 2016, 30, 2789-2803.	1.1	44

#	ARTICLE	IF	CITATIONS
19	Impact of soil moisture on dust outbreaks in East Asia: Using satellite and assimilation data. <i>Geophysical Research Letters</i> , 2015, 42, 2789-2796.	1.5	69
20	Evaluation of remotely sensed actual evapotranspiration products from COMS and MODIS at two different flux tower sites in Korea. <i>International Journal of Remote Sensing</i> , 2015, 36, 375-402.	1.3	17
21	Evaluation of geostationary satellite (COMS) based Priestley-Taylor evapotranspiration. <i>Agricultural Water Management</i> , 2015, 159, 77-91.	2.4	22
22	Spatio-temporal variability of remotely sensed precipitation data from COMS and TRMM: Case study of Korean peninsula in East Asia. <i>Advances in Space Research</i> , 2015, 56, 1125-1138.	1.2	13
23	Evaluation of statistical gap fillings for continuous energy flux (evapotranspiration) measurements for two different land cover types. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 2021-2035.	1.9	11
24	Remote sensing-based evapotranspiration algorithm: a case study of all sky conditions on a regional scale. <i>GIScience and Remote Sensing</i> , 2015, 52, 627-642.	2.4	10
25	An evaluation of satellite-based drought indices on a regional scale. <i>International Journal of Remote Sensing</i> , 2015, 36, 5593-5612.	1.3	28
26	Spatio-temporal distribution of actual evapotranspiration in the Indus Basin Irrigation System. <i>Hydrological Processes</i> , 2015, 29, 2613-2627.	1.1	44
27	Rain-Gauge Network Evaluations Using Spatiotemporal Correlation Structure for Semi-Mountainous Regions. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014, 25, 267.	0.3	13
28	Uncertainty of snow water equivalent retrieved from AMSR-E brightness temperature in northeast Asia. <i>Hydrological Processes</i> , 2014, 28, 3173-3184.	1.1	11
29	Dual-model approaches for evapotranspiration analyses over homo- and heterogeneous land surface conditions. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 169-187.	1.9	47
30	Estimation of instantaneous and daily net radiation from MODIS data under clear sky conditions: a case study in East Asia. <i>Irrigation Science</i> , 2013, 31, 1173-1184.	1.3	23
31	Seasonal trends of satellite-based evapotranspiration algorithms over a complex ecosystem in East Asia. <i>Remote Sensing of Environment</i> , 2013, 137, 244-263.	4.6	35
32	Parameterizing daytime downward longwave radiation in two Korean regional flux monitoring network sites. <i>Journal of Hydrology</i> , 2013, 476, 257-264.	2.3	13
33	Evaluation of drought indices via remotely sensed data with hydrological variables. <i>Journal of Hydrology</i> , 2013, 476, 265-273.	2.3	125
34	Remote sensing imageries for land cover and water quality dynamics on the west coast of Korea. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 9111-9124.	1.3	7
35	Assessment of Outgoing Longwave Radiation using COMS : Cheongmi and Sulma Catchments. <i>Journal of Korea Water Resources Association</i> , 2013, 46, 465-476.	0.3	5
36	Assessment of Solar Insolation from COMS: Sulma and Cheongmi Watersheds. <i>Korean Journal of Remote Sensing</i> , 2013, 29, 137-149.	0.4	13

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37	Evapotranspiration models of different complexity for multiple land cover types. Hydrological Processes, 2012, 26, 2962-2972.	1.1	10
38	A microwave-optical/infrared disaggregation for improving spatial representation of soil moisture using AMSR-E and MODIS products. Remote Sensing of Environment, 2012, 124, 259-269.	4.6	107
39	Survey-Based Approach for Hydrological Vulnerability Indicators Due to Climate Change: Case Study of Small-Scale Rivers. Journal of the American Water Resources Association, 2012, 48, 256-265.	1.0	8
40	Sensitivity analysis of the DRAINWAT model applied to an agricultural watershed in the lower coastal plain, North Carolina, USA. Water and Environment Journal, 2012, 26, 130-145.	1.0	12
41	Evaluation of multiple surface soil moisture for Korean regional flux monitoring network sites: Advanced Microwave Scanning Radiometer E, land surface model, and ground measurements. Hydrological Processes, 2012, 26, 597-603.	1.1	11
42	Validation of MODIS 16 global terrestrial evapotranspiration products in various climates and land cover types in Asia. KSCE Journal of Civil Engineering, 2012, 16, 229-238.	0.9	168
43	Constructing rainfall depth-frequency curves considering a linear trend in rainfall observations. Stochastic Environmental Research and Risk Assessment, 2012, 26, 419-427.	1.9	8
44	Error assessment of climate variables for FAO-56 reference evapotranspiration. Meteorology and Atmospheric Physics, 2011, 112, 81-90.	0.9	36
45	The role of remotely sensed soil moisture to predict surface water elevation at the watershed scale in Korea. KSCE Journal of Civil Engineering, 2011, 15, 939-944.	0.9	2
46	Spatial soil moisture scaling structure during Soil Moisture Experiment 2005. Hydrological Processes, 2011, 25, 926-932.	1.1	47
47	Reliable estimation of evapotranspiration on agricultural fields predicted by the Priestley-Taylor model using soil moisture data from ground and remote sensing observations compared with the Common Land Model. International Journal of Remote Sensing, 2011, 32, 4571-4587.	1.3	9
48	Evapotranspiration estimation using the Landsat-5 Thematic Mapper image over the Gyungan watershed in Korea. International Journal of Remote Sensing, 2011, 32, 4327-4341.	1.3	14
49	Application of bivariate frequency analysis to the derivation of rainfall frequency curves. Stochastic Environmental Research and Risk Assessment, 2010, 24, 389-397.	1.9	29
50	Understanding of the Common Land Model performance for water and energy fluxes in a farmland during the growing season in Korea. Hydrological Processes, 2010, 24, 1063-1071.	1.1	27
51	Time stability and variability of Electronically Scanned Thinned Array Radiometer soil moisture during Southern Great Plains hydrology experiments. Hydrological Processes, 2010, 24, 2807-2819.	1.1	19
52	GOES Solar Radiation for Evapotranspiration Estimation and Streamflow Prediction. Journal of Hydrologic Engineering - ASCE, 2009, 14, 293-300.	0.8	7
53	An intercomparison of three remote sensing-based surface energy balance algorithms over a corn and soybean production region (Iowa, U.S.) during SMACEX. Agricultural and Forest Meteorology, 2009, 149, 2082-2097.	1.9	151