

Toshio Koike

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11158242/publications.pdf>

Version: 2024-02-01

179
papers

6,000
citations

76196

40
h-index

82410

72
g-index

183
all docs

183
docs citations

183
times ranked

5318
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Third Pole's Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	1.7	590
2	Global potential soil erosion with reference to land use and climate changes. <i>Hydrological Processes</i> , 2003, 17, 2913-2928.	1.1	534
3	Improving estimation of hourly, daily, and monthly solar radiation by importing global data sets. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 43-55.	1.9	274
4	Analysis of water resources variability in the Yellow River of China during the last half century using historical data. <i>Water Resources Research</i> , 2004, 40, .	1.7	217
5	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 276-290.	0.6	163
6	Auto-calibration System Developed to Assimilate AMSR-E Data into a Land Surface Model for Estimating Soil Moisture and the Surface Energy Budget. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 229-242.	0.7	155
7	A Bias-Corrected Precipitation Climatology for China. <i>Journal of Hydrometeorology</i> , 2004, 5, 1147-1160.	0.7	137
8	Assessment of a distributed biosphere hydrological model against streamflow and MODIS land surface temperature in the upper Tone River Basin. <i>Journal of Hydrology</i> , 2009, 377, 21-34.	2.3	128
9	DEVELOPMENT OF AN ADVANCED MICROWAVE SCANNING RADIOMETER (AMSR-E) ALGORITHM FOR SOIL MOISTURE AND VEGETATION WATER CONTENT. <i>Proceedings of Hydraulic Engineering</i> , 2004, 48, 217-222.	0.0	124
10	Simultaneous estimation of both soil moisture and model parameters using particle filtering method through the assimilation of microwave signal. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	119
11	Development of a distributed biosphere hydrological model and its evaluation with the Southern Great Plains Experiments (SGP97 and SGP99). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	108
12	Application of a distributed hydrological model and weather radar observations for flood management in the upper Tone River of Japan. <i>Hydrological Processes</i> , 2004, 18, 3119-3132.	1.1	102
13	The Daytime Evolution of the Atmospheric Boundary Layer and Convection over the Tibetan Plateau: Observations and Simulations. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 1777-1792.	0.7	96
14	Integrated simulation of snow and glacier melt in water and energy balance-based, distributed hydrological modeling framework at Hunza River Basin of Pakistan Karakoram region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4889-4919.	1.2	94
15	Stable carbon isotope signature in mid-Panthalassa shallow-water carbonates across the Permian-Triassic boundary: evidence for ^{13}C -depleted superocean. <i>Earth and Planetary Science Letters</i> , 2001, 191, 9-20.	1.8	88
16	Surface Flux Parameterization in the Tibetan Plateau. <i>Boundary-Layer Meteorology</i> , 2003, 106, 245-262.	1.2	82
17	A general model to estimate hourly and daily solar radiation for hydrological studies. <i>Water Resources Research</i> , 2005, 41, .	1.7	81
18	On measuring and remote sensing surface energy partitioning over the Tibetan Plateau "from GAME/Tibet to CAMP/Tibet. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 63-74.	1.2	80

#	ARTICLE	IF	CITATIONS
19	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017, 53, 5085-5103.	1.7	76
20	Validation of a Dual-Pass Microwave Land Data Assimilation System for Estimating Surface Soil Moisture in Semiarid Regions. <i>Journal of Hydrometeorology</i> , 2009, 10, 780-793.	0.7	75
21	Determination of regional distributions and seasonal variations of land surface heat fluxes from Landsat-7 Enhanced Thematic Mapper data over the central Tibetan Plateau area. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	74
22	On the Climatology and Trend of the Atmospheric Heat Source over the Tibetan Plateau: An Experiments-Supported Revisit. <i>Journal of Climate</i> , 2011, 24, 1525-1541.	1.2	74
23	Frozen soil parameterization in SiB2 and its validation with GAME-Tibet observations. <i>Cold Regions Science and Technology</i> , 2003, 36, 165-182.	1.6	72
24	Evaluation of satellite estimates of downward shortwave radiation over the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	70
25	A very fast simulated re-annealing (VFSA) approach for land data assimilation. <i>Computers and Geosciences</i> , 2004, 30, 239-248.	2.0	66
26	Turbulent exchange of heat, water vapor, and momentum over a Tibetan prairie by eddy covariance and flux variance measurements. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	65
27	Evaluation and application of a fine-resolution global data set in a semiarid mesoscale river basin with a distributed biosphere hydrological model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	64
28	Determination of regional net radiation and soil heat flux over a heterogeneous landscape of the Tibetan Plateau. <i>Hydrological Processes</i> , 2002, 16, 2963-2971.	1.1	61
29	Inverse analysis of the role of soil vertical heterogeneity in controlling surface soil state and energy partition. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	61
30	An assessment of satellite surface radiation products for highlands with Tibet instrumental data. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	61
31	Improving the hydrology of the Simple Biosphere Model 2 and its evaluation within the framework of a distributed hydrological model. <i>Hydrological Sciences Journal</i> , 2009, 54, 989-1006.	1.2	61
32	Modeling the land surface water and energy cycles of a mesoscale watershed in the central Tibetan Plateau during summer with a distributed hydrological model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8857-8868.	1.2	60
33	Comparison of definitions of Indian summer monsoon onset: Better representation of rapid transitions of atmospheric conditions. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	59
34	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. <i>Journal of Hydrometeorology</i> , 2012, 13, 204-222.	0.7	54
35	Ensemble hydrological prediction-based real-time optimization of a multiobjective reservoir during flood season in a semiarid basin with global numerical weather predictions. <i>Water Resources Research</i> , 2012, 48, .	1.7	51
36	A land data assimilation system for simultaneous simulation of soil moisture and vegetation dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5910-5930.	1.2	49

#	ARTICLE	IF	CITATIONS
37	Lower Triassic $\delta^{13}\text{C}$ isotope curve from shallow-marine carbonates in Japan, Panthalassa realm: Confirmation of the Tethys $\delta^{13}\text{C}$ curve. <i>Journal of Asian Earth Sciences</i> , 2009, 36, 481-490.	1.0	47
38	Modeling the hydrologic responses of the Pampanga River basin, Philippines: A quantitative approach for identifying droughts. <i>Water Resources Research</i> , 2011, 47, .	1.7	46
39	Analytical Solution of Surface Layer Similarity Equations. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 1647-1653.	1.7	45
40	Estimating surface solar radiation from upper-air humidity. <i>Solar Energy</i> , 2002, 72, 177-186.	2.9	44
41	Analysis of the Surface Energy Budget at a Site of GAME/Tibet using a Single-Source Model. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 131-153.	0.7	44
42	Simultaneous estimation of both hydrological and ecological parameters in an ecohydrological model by assimilating microwave signal. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8839-8857.	1.2	42
43	The assessment of surface water resources for the semi-arid Yongding River Basin from 1956 to 2000 and the impact of land use change. <i>Hydrological Processes</i> , 2010, 24, 1123-1132.	1.1	41
44	Field-Supported Verification and Improvement of a Passive Microwave Surface Emission Model for Rough, Bare, and Wet Soil Surfaces by Incorporating Shadowing Effects. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 1207-1216.	2.7	39
45	Development of an enthalpy-based frozen soil model and its validation in a cold region in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5259-5280.	1.2	39
46	Regionalization of Surface Fluxes over Heterogeneous Landscape of the Tibetan Plateau by Using Satellite Remote Sensing Data. <i>Journal of the Meteorological Society of Japan</i> , 2003, 81, 277-293.	0.7	38
47	A New Integrated Observational System Over the Tibetan Plateau. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1492-1496.	1.7	38
48	A China-Japan Cooperative JICA Atmospheric Observing Network over the Tibetan Plateau (JICA/Tibet) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0.7 37	0.7	37
49	Decision support for dam release during floods using a distributed biosphere hydrological model driven by quantitative precipitation forecasts. <i>Water Resources Research</i> , 2010, 46, .	1.7	36
50	Modeling hydrologic and ecologic responses using a new ecohydrological model for identification of droughts. <i>Water Resources Research</i> , 2014, 50, 6214-6235.	1.7	33
51	Retrieval of snow reflectance from Landsat data in rugged terrain. <i>Annals of Glaciology</i> , 2002, 34, 31-37.	2.8	32
52	A systematic decision support tool for robust hydropower site selection in poorly gauged basins. <i>Applied Energy</i> , 2018, 224, 309-321.	5.1	32
53	Optimal Dam Operation during Flood Season Using a Distributed Hydrological Model and a Heuristic Algorithm. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 580-586.	0.8	31
54	Improving land surface soil moisture and energy flux simulations over the Tibetan plateau by the assimilation of the microwave remote sensing data and the GCM output into a land surface model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012, 17, 43-54.	1.4	30

#	ARTICLE	IF	CITATIONS
55	A natural assemblage of <i>Ellisonia</i> sp. cf. <i>E. triassica</i> MÅ¼ller (Vertebrata: Conodonta) from the uppermost Permian in the Suzuka Mountains, central Japan. <i>Paleontological Research</i> , 2004, 8, 241-253.	0.5	29
56	Initial CEOP-based Review of the Prediction Skill of Operational General Circulation Models and Land Surface Models. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 99-116.	0.7	29
57	On the use of GPS measurements for Moderate Resolution Imaging Spectrometer precipitable water vapor evaluation over southern Tibet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	29
58	Development of a Satellite Land Data Assimilation System Coupled With a Mesoscale Model in the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 2847-2862.	2.7	28
59	Early Triassic Conodonts from the Tahogawa Member of the Taho Formation, Ehime Prefecture, Southwest Japan. <i>Paleontological Research</i> , 2018, 22, 1-62.	0.5	26
60	Data Integration and Analysis System (DIAS) Contributing to Climate Change Analysis and Disaster Risk Reduction. <i>Data Science Journal</i> , 2017, 16, .	0.6	26
61	A Field Verification of an Algorithm for Retrieving Vegetation Water Content From Passive Microwave Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2082-2095.	2.7	24
62	Towards ecohydrological drought monitoring and prediction using a land data assimilation system: A case study on the Horn of Africa drought (2010â€“2011). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8229-8242.	1.2	23
63	Estimation of the Regional Evaporative Fraction over the Tibetan Plateau Area by Using Landsat-7 ETM Data and the Field Observations. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 295-309.	0.7	22
64	Mechanism of upper tropospheric warming around the Tibetan Plateau at the onset phase of the Asian summer monsoon. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
65	Generation processes of mesoscale convective systems following midlatitude troughs around the Sichuan Basin. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	21
66	Climate Change Impact Assessment on Water Resources and Susceptible Zones Identification in the Asian Monsoon Region. <i>Water Resources Management</i> , 2015, 29, 5377-5393.	1.9	21
67	Development of a TRMM/TMI Algorithm for Precipitation in the Tibetan Plateau by Considering Effects of Land Surface Emissivity.. <i>Journal of the Meteorological Society of Japan</i> , 2001, 79, 475-483.	0.7	20
68	A study on availability of ground observations and its impacts on bias correction of satellite precipitation products and hydrologic simulation efficiency. <i>Journal of Hydrology</i> , 2022, 610, 127595.	2.3	20
69	A simplified land data assimilation scheme and its application to soil moisture experiments in 2002 (SMEX02). <i>Water Resources Research</i> , 2003, 39, .	1.7	19
70	Development of a coupled landâ€“atmosphere satellite data assimilation system for improved local atmospheric simulations. <i>Remote Sensing of Environment</i> , 2008, 112, 720-734.	4.6	19
71	Seasonal variation of cloud activity and atmospheric profiles over the eastern part of the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
72	Development of the Coupled Atmosphere and Land Data Assimilation System (CALDAS) and Its Application Over the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 4227-4242.	2.7	19

#	ARTICLE	IF	CITATIONS
73	Land-lake breezes at low latitudes: The case of Tonle Sap Lake in Cambodia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6970-6980.	1.2	19
74	Climate change impact assessment on mountain snow hydrology by water and energy budget-based distributed hydrological model. <i>Journal of Hydrology</i> , 2016, 543, 523-541.	2.3	19
75	DEVELOPMENT AND VALIDATION OF A MICROWAVE RADIOMETER ALGORITHM FOR LAND SURFACE HYDROLOGY. <i>Proceedings of Hydraulic Engineering</i> , 2000, 44, 247-252.	0.0	17
76	Flood simulation using different sources of rainfall in the Huong River, Vietnam / Simulation d'inondation à l'aide de différentes sources d'information pluviométrique dans le bassin de la Rivière Huong, Vietnam. <i>Hydrological Sciences Journal</i> , 2009, 54, 909-917.	1.2	17
77	Multielement Conodont Apparatuses of the Ellisonidae from Japan. <i>Paleontological Research</i> , 2016, 20, 161-175.	0.5	17
78	Ecosystem resilience to the Millennium drought in southeast Australia (2001-2009). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2312-2327.	1.3	17
79	Development of water and energy Budget-based Rainfall-Runoff-Inundation model (WEB-RR) and its verification in the Kalu and Mundeni River Basins, Sri Lanka. <i>Journal of Hydrology</i> , 2019, 579, 124163.	2.3	17
80	An Improvement of the Radiative Transfer Model Component of a Land Data Assimilation System and Its Validation on Different Land Characteristics. <i>Remote Sensing</i> , 2015, 7, 6358-6379.	1.8	15
81	Role of convective heating in the seasonal evolution of the Asian summer monsoon. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
82	A New Satellite-Based Data Assimilation Algorithm to Determine Spatial and Temporal Variations of Soil Moisture and Temperature Profiles. <i>Journal of the Meteorological Society of Japan</i> , 2003, 81, 1111-1135.	0.7	14
83	Comments on "Estimating Soil Water Contents from Soil Temperature Measurements by Using an Adaptive Kalman Filter". <i>Journal of Applied Meteorology and Climatology</i> , 2005, 44, 546-550.	1.7	13
84	Increasing Atmospheric Temperature in the Upper Troposphere and Cumulus Convection over the Eastern Part of the Tibetan Plateau in the Pre-Monsoon Season of 2004. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 271-294.	0.7	13
85	A multi-sector multi-region economic growth model of drought and the value of water: A case study in Pakistan. <i>International Journal of Disaster Risk Reduction</i> , 2020, 43, 101368.	1.8	13
86	Evaluation of AIRS Precipitable Water Vapor against Ground-based GPS Measurements over the Tibetan Plateau and Its Surroundings. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90C, 87-98.	0.7	12
87	Monitoring and Predicting Agricultural Droughts for a Water-Limited Subcontinental Region by Integrating a Land Surface Model and Microwave Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 14-33.	2.7	12
88	Satellite monitoring of the surface water and energy budget in the central Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 974-985.	1.9	11
89	Development of an integrated modeling system for improved multi-objective reservoir operation. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2010, 4, 47-55.	0.4	11
90	Characteristics of the Summertime Boundary Layer and Atmospheric Vertical Structure over the Sichuan Basin. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90C, 33-54.	0.7	11

#	ARTICLE	IF	CITATIONS
91	Heavy rainfall prediction applying satellite-based cloud data assimilation over land. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9737-9755.	1.2	11
92	Development of a Dry-snow Satellite Algorithm and Validation at the CEOP Reference Site in Yakutsk. Journal of the Meteorological Society of Japan, 2007, 85A, 417-438.	0.7	11
93	River management system development in Asia based on Data Integration and Analysis System (DIAS) under GEOSS. Science China Earth Sciences, 2015, 58, 76-95.	2.3	10
94	Time for a Change in Japanese Water Resources Policy, Part 1: Historical Review of Water Resources Management Policy and Challenges for the Future. International Journal of Water Resources Development, 2009, 25, 555-564.	1.2	9
95	Seasonal Variation in Turbulent Fluxes over Tibetan Plateau and Its Surrounding Areas: Research Note. Journal of the Meteorological Society of Japan, 2012, 90C, 157-171.	0.7	9
96	Development of Snow Retrieval Algorithm Using AMSR-E for the BJ Ground-Based Station on Seasonally Frozen Ground at Low Altitude on the Tibetan Plateau. Journal of the Meteorological Society of Japan, 2012, 90C, 99-112.	0.7	9
97	Analysis of the vertical structure of the atmospheric heating process and its seasonal variation over the Tibetan Plateau using a land data assimilation system. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,403.	1.2	9
98	Distributed Hydrological Modeling Framework for Quantitative and Spatial Bias Correction for Rainfall, Snowfall, and Mixed-Phase Precipitation Using Vertical Profile of Temperature. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4985-5009.	1.2	9
99	Study on Spatially Averaged Evaporation under Soil Moisture Heterogeneity Affected by Permafrost Micro-topography.. Journal of the Meteorological Society of Japan, 2002, 80, 191-203.	0.7	8
100	Retrieval of Atmospheric Integrated Water Vapor and Cloud Liquid Water Content Over the Ocean From Satellite Data Using the 1-D-Var Ice Cloud Microphysics Data Assimilation System (IMDAS). IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 119-129.	2.7	8
101	Diurnal Variation of Convective Activity and Precipitable Water around Ulaanbaator, Mongolia, and the Impact of Soil Moisture on Convective Activity during Nighttime. Monthly Weather Review, 2008, 136, 1401-1415.	0.5	8
102	Contrasting Impacts of the Indian Ocean Dipole and ENSO on the Tropospheric Biennial Oscillation. Scientific Online Letters on the Atmosphere, 2011, 7, 13-16.	0.6	8
103	Optimizing Multidam Releases in Large River Basins by Combining Distributed Hydrological Inflow Predictions with Rolling-Horizon Decision Making. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	8
104	Toward High-Resolution Soil Moisture Monitoring by Combining Active-Passive Microwave and Optical Vegetation Remote Sensing Products with Land Surface Model. Sensors, 2019, 19, 3924.	2.1	8
105	Implementation of Real-Time Flood Prediction and its Application to Dam Operations by Data Integration Analysis System. Journal of Disaster Research, 2016, 11, 1052-1061.	0.4	7
106	Improving the AMSR-E Soil Moisture Algorithm of the University of Tokyo through Field Experiments and Parameters Optimization. , 2008, , .		6
107	Use of Integrated Observations to Improve 0-36 h Flood Forecasting: Development and Application of a Coupled Atmosphere-Hydrology System in the Nanpan River Basin, China. Journal of the Meteorological Society of Japan, 2012, 90C, 131-144.	0.7	6
108	Estimation of Humidity Profiles with the L-Band Boundary Layer Radar-RASS Measurements. Journal of the Meteorological Society of Japan, 2005, 83, 895-908.	0.7	6

#	ARTICLE	IF	CITATIONS
109	Data Analysis System Attached to the CEOP Centralized Data Archive System. Journal of the Meteorological Society of Japan, 2007, 85A, 529-543.	0.7	6
110	First evaluation of SMOS L2 soil moisture products using in situ observation data of MAVEX on the Mongolian Plateau in 2010 and 2011. Hydrological Research Letters, 2013, 7, 30-35.	0.3	6
111	An Advanced Quality Control System for the CEOP/CAMP In-Situ Data Management. IEEE Systems Journal, 2008, 2, 406-413.	2.9	5
112	HYDROLOGICAL IMPACTS OF A CHANGING CLIMATE ON FLOODS AND DROUGHTS IN PHILIPPINE RIVER BASINS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_13-I_18.	0.0	5
113	DEVELOPMENT OF OPERATIONAL REALTIME ENSEMBLE FLOOD FORECAST SYSTEM. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_397-I_402.	0.0	5
114	Ground Truth of Passive Microwave Radiative Transfer on Vegetated Land Surfaces. Remote Sensing, 2017, 9, 655.	1.8	5
115	APPLICATION OF A DISTRIBUTED HYDROLOGICAL MODEL COUPLED WITH DAM OPERATION FOR FLOOD CONTROL PURPOSES. Proceedings of Hydraulic Engineering, 2006, 50, 61-66.	0.0	4
116	SIMULATION OF INTERANNUAL VARIABILITY OF SNOW COVER AT VALDAI (RUSSIA) USING A DISTRIBUTED BIOSPHERE HYDROLOGICAL MODEL WITH IMPROVED SNOW PHYSICS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_73-I_78.	0.0	4
117	Integrated Modeling of Climate change impacts in the Yoshino River Basin, Japan for Basin Management Planning. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_133-I_138.	0.0	4
118	Applicability of Multi-Frequency Passive Microwave Observations and Data Assimilation Methods for Improving Numerical Weather Forecasting in Niger, Africa. Remote Sensing, 2014, 6, 5306-5324.	1.8	4
119	Modification and Application of the Satellite-Based Land Data Assimilation Scheme for Very Dry Soil Regions Using AMSR-E Images: Model Validation for Mongolia-a CEOP data platform. Journal of the Meteorological Society of Japan, 2007, 85A, 243-260.	0.7	4
120	Drought Monitoring over West Africa Based on an Ecohydrological Simulation (2003-2018). Hydrology, 2021, 8, 155.	1.3	4
121	Study on spatial and temporal variability of surface soil wetness on Tibetan Plateau by using the satellite-based microwave radiometer. Proceedings of Hydraulic Engineering, 1997, 41, 915-919.	0.0	3
122	DEVELOPMENT AND EVALUATION OF AN SATELLITE ALGORITHM FOR GLOBAL SNOW DISTRIBUTION. Proceedings of Hydraulic Engineering, 1999, 43, 211-215.	0.0	3
123	Physical Validation of Microwave Properties of Winter Precipitation Over the Sea of Japan. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2247-2258.	2.7	3
124	Time for a Change in Japanese Water Resources Policy, Part 2: Towards a Planning and Management Framework for Adapting to Changes. International Journal of Water Resources Development, 2009, 25, 565-570.	1.2	3
125	A coupled Land Atmosphere Radiative-Transfer Model (LA-RTM) for multi-frequency passive microwave remote sensing: development and application over Wakasa Bay and the Tibetan Plateau. International Journal of Remote Sensing, 2011, 32, 1779-1796.	1.3	3
126	Convective cloud discrimination using multi-frequency microwave signatures of the AMSR-E sensor: evaluation over the Tibetan Plateau. International Journal of Remote Sensing, 2011, 32, 3451-3460.	1.3	3

#	ARTICLE	IF	CITATIONS
127	DEVELOPMENT OF A COUPLED MODEL OF A DISTRIBUTED HYDROLOGICAL MODEL AND A RICE GROWTH MODEL FOR GRASPING NECESSARY HYDRO-METEOROLOGICAL INFORMATION FOR RAIN-FED AGRICULTURE. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_511-I_516.	0.0	3
128	A COMBINED DYNAMICAL/STATISTICAL DOWNSCALING APPROACH FOR ASSESSING FUTURE OF WATER RESOURCES IN THE TONE RIVER BASIN, JAPAN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_187-I_192.	0.0	3
129	ASSESSMENT OF HYDROLOGIC RESPONSE TO FUTURE CLIMATE CHANGE IN THE TONE RIVER BASIN OF JAPAN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_25-I_30.	0.0	3
130	Radiative Characteristics at 89 and 36 GHz for Satellite-Based Cloud Water Estimation Over Land. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1355-1368.	2.7	3
131	Atmospheric Conditions and Increasing Temperature over the Tibetan Plateau during Early Spring and the Pre-Monsoon Season in 2008. Journal of the Meteorological Society of Japan, 2012, 90C, 17-32.	0.7	3
132	Three-Dimensional Variational Data Assimilation Experiments for a Heavy Rainfall Case in the Downstream Yangtze River Valley Using Automatic Weather Station and Global Positioning System Data in Southeastern Tibetan Plateau. Journal of the Meteorological Society of Japan, 2014, 92, 483-500.	0.7	3
133	QUASUR: Web-based Quality Assurance System for CEOP Reference Data. Journal of the Meteorological Society of Japan, 2007, 85A, 461-473.	0.7	3
134	34 Study of land surface heat fluxes and water cycle over the Tibetan plateau. Developments in Earth Surface Processes, 2007, , 313-328.	2.8	2
135	The Development of 1-D Ice Cloud Microphysics Data Assimilation System (IMDAS) for Cloud Parameter Retrievals by Integrating Satellite Data. , 2008, , .		2
136	LONG-TERM (1948-2006) SIMULATION OF SNOW DEPTH AT YAGISAWA DAM SITE USING JP10 REANALYSIS AND ENERGY BALANCE SNOW MODEL (WEB-DHM-S). Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_175-I_180.	0.0	2
137	OPTIMIZING SNOWFALL CORRECTION FACTOR FOR RADAR-AMEDAS PRECIPITATION USING DISTRIBUTED SNOW MODEL (WEB-DHM-S) AND MODIS SNOW COVER DATA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_223-I_228.	0.0	2
138	Validation of Satellite Precipitation Products over Cambodia. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tn_41-Tn_46.	0.1	2
139	Improvement of AMSR2 soil moisture algorithm with considering temperature profile effects in dry soil: A case study in Heihe basin. , 2014, , .		2
140	Evaluation of AMSR2 and SMOS soil moisture products over Heihe river basin in China. , 2015, , .		2
141	INVESTIGATING THE HYDROLOGIC RESPONSE OF CURRENT DAM OPERATION SYSTEM TO FUTURE CLIMATE IN A SNOWY RIVER BASIN (YATAJIMA) OF JAPAN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2015, 71, I_103-I_108.	0.0	2
142	Parameter-estimation methods for symmetric stable distributions: Application to small samples of spatial fluctuations of rainfall. Spatial Statistics, 2016, 17, 50-70.	0.9	2
143	Water and Food Security under Climate Change in Cambodia. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tn_31-Tn_39.	0.1	2
144	ESTIMATION OF RAINFALL RATE IN EASTERN TIBET USING GROUND-BASED RADAR OBSERVATIONS: METHOD DEVELOPMENT. Proceedings of Hydraulic Engineering, 2004, 48, 271-276.	0.0	1

#	ARTICLE	IF	CITATIONS
145	Effect of the variation in the lower tropospheric temperature on the wind onset of the Indian summer monsoon. <i>Meteorology and Atmospheric Physics</i> , 2010, 106, 75-94.	0.9	1
146	Monitoring soil moisture change in Africa over past 20 years with using passive microwave remote sensing. , 2011, , .		1
147	Improving land surface energy and water fluxes simulation over the Tibetan Plateau with using a land data assimilation system. , 2011, , .		1
148	SNOW COVER MODELING AT THE PUNA TSANG RIVER BASIN IN BHUTAN WITH CORRECTED JRA-25 TEMPERATURE. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012, 68, L_235-L_240.	0.0	1
149	Improving numerical weather forecast using multi-frequency passive microwave satellite observations and data assimilation methods. , 2013, , .		1
150	IDENTIFYING GAPS AND OPPORTUNITIES BETWEEN STATISTICAL AND DYNAMICAL DOWNSCALING APPROACHES OVER SHIKOKU ISLAND, JAPAN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic)</i> Tj ETQq0.0 0 rgBT/Overlock	0.0	1
151	CLIMATE CHANGE IMPACT ASSESSMENT ON THE HYDROLOGY OF A SEMI-ARID RIVER BASIN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014, 70, L_121-L_126.	0.0	1
152	Data Release and Issues in the DIAS. <i>Journal of the Japan Society of Information and Knowledge</i> , 2014, 24, 254-274.	0.0	1
153	ASSESSMENT OF FUTURE WATER RESOURCES IN THE TONE RIVER BASIN USING A COMBINED DYNAMICAL-STATISTICAL DOWNSCALING APPROACH. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015, 71, L_73-L_78.	0.0	1
154	A GBMR Experiment and Validation of 1DVAR-LDAS in Different Bare Soil. <i>Suimon Mizu Shigen Gakkaishi</i> , 2005, 18, 233-243.	0.1	1
155	DEVELOPMENT OF A SATELLITE LAND AND CLOUD DATA ASSIMILATION SYSTEM COUPLED WITH WRF, AND ITS APPLICATION TO KANTO AREA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic)</i> Tj ETQq1 1 0.784314rgBT/Overlock 10	0.784314	1
156	AN OPERATION SUPPORTING SYSTEM FOR HYDROELECTRIC DAMS TO IMPROVE FLOOD CONTROL AND POWER GENERATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2021, 77, L_79-L_84.	0.0	1
157	The International Water Cycle Workshop. <i>Eos</i> , 2005, 86, 47.	0.1	0
158	Monitoring soil moisture change in North Africa with using satellite remote sensing and land data assimilaion system. , 2009, , .		0
159	APPLICATION OF A DISTRIBUTED HYDROLOGICAL MODEL AND SATELLITE OBSERVATIONS FOR SOIL MOISTURE AND GROUNDWATER LEVEL SIMULATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic)</i> Tj ETQq1 1 0.784314rgBT/Over	0.784314	1
160	Monitoring vegetation water content by using optical vegetation index and microwave vegetation index: Field experiments and applications. , 2011, , .		0
161	A Coupled Data Assimilation Framework utilizing multifrequency passive microwave remote sensing in retrieval of land surface variables and integrated atmospheric variables: development and application over the Tibetan Plateau. <i>International Journal of Remote Sensing</i> , 2012, 33, 7774-7805.	1.3	0
162	Estimating energy, water and carbon flux over africa with using a land data assimilation system. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
163	REGIONAL CLIMATE CHANGE AND ITS IMPACTS ON FUTURE DISCHARGES AND FLOW CHARACTERISTICS OF THE NYANDO BASIN, KENYA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_205-I_210.	0.0	0
164	Retrieving land surface soil parameters by using passive microwave remote sensing observations and land surface models. , 2013, , .		0
165	DEVELOPMENT OF A DISTRIBUTED HYDROLOGICAL - DYNAMIC VEGETATION COUPLING MODEL AND ITS APPLICATION TO NORTH AFRICA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	0.0	0
166	STUDY ON DEVELOPMENT OF A FREQUENTLY APPLICABLE SAR ALGORITHM FOR SOIL MOISTURE USING ALOS/PALSAR. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_589-I_594.	0.0	0
167	Extreme Events Prediction from Seasonal Climate Forecasting and Crop Production Simulations in Pampanga River Basin, Philippines. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	0.0	0
168	A TRIAL IMPACT ASSESSMENT ON RICE PRODUCTION BY CLIMATE CHANGE AND IRRIGATION AT THE GRANARY OF WESTERN CAMBODIA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_265-I_270.	0.0	0
169	RESEARCH ON THE DIFFICULTY IN SEASONAL PREDICTION OF EXTREME PRECIPITATION EVENTS IN PAKISTAN, FOCUSING ON THE ANOMALY OF GENERAL CIRCULATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_301-I_306.	0.0	0
170	DEVELOPMENT OF THE OPTIMIZATION SCHEME OF THE HYDROLOGICAL - ECOLOGICAL COUPLING MODEL ASSIMILATING MICROWAVE SIGNAL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.0	0
171	ONSET OF THE ASIAN SUMMER MONSOON AND LAND-ATMOSPHERE INTERACTION OVER THE INDOCHINA PENINSULA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_295-I_300.	0.0	0
172	SENSITIVITY OF SINGLE-YEAR SEASONAL PRECIPITATION TO PARAMETERIZATION IN THE WEATHER RESEARCH AND FORECASTING (WRF) MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.0	0
173	DAM VOLUME REALLOCATION BETWEEN FLOOD CONTROL AND WATER USE AS AN ADAPTING POLICY UNDER CLIMATE CHANGE IN KINO RIVER BASIN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	0.0	0
174	SIMULATING LONG-TERM HYDROLOGICAL PROCESSES IN COLD REGION RIVER BASIN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2015, 71, I_67-I_72.	0.0	0
175	In the honor of the Science Award from the Japan Society of Hydrology and Water Resources. Suimon Mizu Shigen Gakkaishi, 2016, 29, 9-10.	0.1	0
176	Display Wall Empowered Visual Mining for CEOP Data Archive. Journal of the Meteorological Society of Japan, 2007, 85A, 545-559.	0.7	0
177	REVIEW OF RECENT OBSERVATIONAL AND DYNAMICAL STUDIES ON THE CLIMATE IMPACTS OF THE TIBETAN PLATEAU. World Scientific Series on Asia-Pacific Weather and Climate, 2011, , 537-556.	0.2	0
178	MONITORING THE 2005 HISTORICAL DROUGHT IN THE NORTHEASTERN BRAZIL USING THE COUPLED LAND AND VEGETATION DATA ASSIMILATION SYSTEM (CLVDAS). Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_1417-I_1422.	0.0	0
179	INVESTIGATION OF ENSEMBLE DAM INFLOW SIMULATION IN SAI RIVER BASIN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2021, 77, I_61-I_66.	0.0	0