

Toshio Koike

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

4,660
citations

39
h-index

65
g-index

181
ext. papers

5,306
ext. citations

3
avg, IF

5.41
L-index

#	Paper	IF	Citations
172	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 , 127595	6	5
171	Drought Monitoring over West Africa Based on an Ecohydrological Simulation (2003–2018). <i>Hydrology</i> , 2021 , 8, 155	2.8	1
170	Radiative Characteristics at 89 and 36 GHz for Satellite-Based Cloud Water Estimation Over Land. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 1355-1368	8.1	2
169	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, I_79-I_84	0.1	
168	INVESTIGATION OF ENSEMBLE DAM INFLOW SIMULATION IN SAI RIVER BASIN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2021 , 77, I_61-I_66	0.1	
167	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	4.5	9
166	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	8.1	3
165	Toward High-Resolution Soil Moisture Monitoring by Combining Active-Passive Microwave and Optical Vegetation Remote Sensing Products with Land Surface Model. <i>Sensors</i> , 2019 , 19,	3.8	5
164	Development of water and energy Budget-based Rainfall-Runoff-Inundation model (WEB-RRI) and its verification in the Kalu and Mundeni River Basins, Sri Lanka. <i>Journal of Hydrology</i> , 2019 , 579, 124163	6	9
163	Distributed Hydrological Modeling Framework for Quantitative and Spatial Bias Correction for Rainfall, Snowfall, and Mixed-Phase Precipitation Using Vertical Profile of Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 4985-5009	4.4	8
162	Recent Third Pole 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	6.1	253
161	Early Triassic Conodonts from the Tahogawa Member of the Taho Formation, Ehime Prefecture, Southwest Japan. <i>Paleontological Research</i> , 2018 , 22, 1-62	0.7	17
160	A systematic decision support tool for robust hydropower site selection in poorly gauged basins. <i>Applied Energy</i> , 2018 , 224, 309-321	10.7	21
159	MONITORING THE 2005 HISTORICAL DROUGHT IN THE NORTHEASTERN BRAZIL USING THE COUPLED LAND AND VEGETATION DATA ASSIMILATION SYSTEM (CLVDAS). <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2018 , 74, I_1417-I_1422	0.1	
158	Ground Truth of Passive Microwave Radiative Transfer on Vegetated Land Surfaces. <i>Remote Sensing</i> , 2017 , 9, 655	5	5
157	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017 , 53, 5085-5103	5.4	45
156	Data Integration and Analysis System (DIAS) Contributing to Climate Change Analysis and Disaster Risk Reduction. <i>Data Science Journal</i> , 2017 , 16,	2	16

155	Towards ecohydrological drought monitoring and prediction using a land data assimilation system: A case study on the Horn of Africa drought (2010-2011). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 8229-8242	4.4	21
154	Multielement Conodont Apparatuses of the Ellisonidae from Japan. <i>Paleontological Research</i> , 2016 , 20, 161-175	0.7	13
153	Ecosystem resilience to the Millennium drought in southeast Australia (2001-2009). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 2312-2327	3.7	13
152	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	6	16
151	In the honor of the Science Award from the Japan Society of Hydrology and Water Resources. <i>Suimon Mizu Shigen Gakkaishi</i> , 2016 , 29, 9-10	0.2	
150	ASSESSMENT OF HYDROLOGIC RESPONSE TO FUTURE CLIMATE CHANGE IN THE TONE RIVER BASIN OF JAPAN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2016 , 72, I_25-I_30	0.1	3
149	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	8.1	21
148	Implementation of Real-Time Flood Prediction and its Application to Dam Operations by Data Integration Analysis System. <i>Journal of Disaster Research</i> , 2016 , 11, 1052-1061	0.8	6
147	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	4.4	27
146	Heavy rainfall prediction applying satellite-based cloud data assimilation over land. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 9737-9755	4.4	8
145	Parameter-estimation methods for symmetric stable distributions: Application to small samples of spatial fluctuations of rainfall. <i>Spatial Statistics</i> , 2016 , 17, 50-70	2.2	2
144	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	3.7	16
143	SENSITIVITY OF SINGLE-YEAR SEASONAL PRECIPITATION TO PARAMETERIZATION IN THE WEATHER RESEARCH AND FORECASTING (WRF) MODEL. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015 , 71, I_55-I_60	0.1	
142	DAM VOLUME REALLOCATION BETWEEN FLOOD CONTROL AND WATER USE AS AN ADAPTING POLICY UNDER CLIMATE CHANGE IN KINO RIVER BASIN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015 , 71, I_385-I_390	0.1	
141	SIMULATING LONG-TERM HYDROLOGICAL PROCESSES IN COLD REGION RIVER BASIN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015 , 71, I_67-I_72	0.1	
140	INVESTIGATING THE HYDROLOGIC RESPONSE OF CURRENT DAM OPERATION SYSTEM TO FUTURE CLIMATE IN A SNOWY RIVER BASIN (YATAJIMA) OF JAPAN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015 , 71, I_103-I_108	0.1	2
139	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, I_73-I_78	0.1	1
138	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	4.4	63

137	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	4.4	40
136	River management system development in Asia based on Data Integration and Analysis System (DIAS) under GEOSS. <i>Science China Earth Sciences</i> , 2015 , 58, 76-95	4.6	5
135	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	5	11
134	Modeling hydrologic and ecologic responses using a new eco-hydrological model for identification of droughts. <i>Water Resources Research</i> , 2014 , 50, 6214-6235	5.4	28
133	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 ³⁶	4.4	36
132	Extreme Events Prediction from Seasonal Climate Forecasting and Crop Production Simulations in Pampanga River Basin, Philippines. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_139-I_144	0.1	
131	A COMBINED DYNAMICAL/STATISTICAL DOWNSCALING APPROACH FOR ASSESSING FUTURE OF WATER RESOURCES IN THE TONE RIVER BASIN, JAPAN. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_187-I_192	0.1	2
130	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, I_121-I_126	0.1	
129	A TRIAL IMPACT ASSESSMENT ON RICE PRODUCTION BY CLIMATE CHANGE AND IRRIGATION AT THE GRANARY OF WESTERN CAMBODIA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_265-I_270	0.1	
128	RESEARCH ON THE DIFFICULTY IN SEASONAL PREDICTION OF EXTREME PRECIPITATION EVENTS IN PAKISTAN, FOCUSING ON THE ANOMALY OF GENERAL CIRCULATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_301-I_306	0.1	
127	DEVELOPMENT OF OPERATIONAL REALTIME ENSEMBLE FLOOD FORECAST SYSTEM. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_397-I_402	0.1	5
126	DEVELOPMENT OF THE OPTIMIZATION SCHEME OF THE HYDROLOGICAL - ECOLOGICAL COUPLING MODEL ASSIMILATING MICROWAVE SIGNAL. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_577-I_582	0.1	
125	Data Release and Issues in the DIAS. <i>Journal of the Japan Society of Information and Knowledge</i> , 2014 , 24, 254-274	0.1	1
124	ONSET OF THE ASIAN SUMMER MONSOON AND LAND-ATMOSPHERE INTERACTION OVER THE INDOCHINA PENINSULA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_295-I_300	0.1	
123	STUDY ON DEVELOPMENT OF A FREQUENTLY APPLICABLE SAR ALGORITHM FOR SOIL MOISTURE USING ALOS/PALSAR. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_589-I_594	0.1	
122	OPTIMIZING SNOWFALL CORRECTION FACTOR FOR RADAR-AMEDAS PRECIPITATION USING DISTRIBUTED SNOW MODEL (WEB-DHM-S) AND MODIS SNOW COVER DATA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014 , 70, I_223-I_228	0.1	2
121	Applicability of Multi-Frequency Passive Microwave Observations and Data Assimilation Methods for Improving Numerical Weather Forecasting in Niger, Africa. <i>Remote Sensing</i> , 2014 , 6, 5306-5324	5	4
120	Validation of Satellite Precipitation Products over Cambodia. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014 , 12, Tn_41-Tn_46	0.3	2

119	Improvement of AMSR2 soil moisture algorithm with considering temperature profile effects in dry soil: A case study in Heihe basin 2014 ,		1
118	Optimizing Multidam Releases in Large River Basins by Combining Distributed Hydrological Inflow Predictions with Rolling-Horizon Decision Making. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 05014006	2.8	5
117	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. <i>Journal of the Meteorological Society of Japan</i> , 2014 , 92, 483-500	2.8	3
116	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 Engineering)</i> , 2014 , 70, I_535-I_540	0.1	1
115	Water and Food Security under Climate Change in Cambodia. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014 , 12, Tn_31-Tn_39	0.3	1
114	Analysis of the vertical structure of the atmospheric heating process and its seasonal variation over the Tibetan Plateau using a land data assimilation system. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 12,403-12,421	4.4	7
113	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. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013 , 69, I_511-I_515	0.1	1
112	LONG-TERM (1948-2006) SIMULATION OF SNOW DEPTH AT YAGISAWA DAM SITE USING JP10 REANALYSIS AND ENERGY BALANCE SNOW MODEL (WEB-DHM-S). <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013 , 69, I_175-I_180	0.1	2
111	DEVELOPMENT OF A DISTRIBUTED HYDROLOGICAL - DYNAMIC VEGETATION COUPLING MODEL AND ITS APPLICATION TO NORTH AFRICA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013 , 69, I_493-I_498	0.1	
110	HYDROLOGICAL IMPACTS OF A CHANGING CLIMATE ON FLOODS AND DROUGHTS IN PHILIPPINE RIVER BASINS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013 , 69, I_13-I_18 ¹	0.1	2
109	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 Engineering)</i> , 2013 , 69, I_133-I_138	0.1	1
108	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	4.4	12
107	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	4.4	53
106	First evaluation of SMOS L2 soil moisture products using in situ observation data of MAVEX on the Mongolian Plateau in 2010 and 2011. <i>Hydrological Research Letters</i> , 2013 , 7, 30-35	1.3	6
105	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	8.1	16
104	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	7.3	26
103	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,	5.4	43
102	REGIONAL CLIMATE CHANGE AND ITS IMPACTS ON FUTURE DISCHARGES AND FLOW CHARACTERISTICS OF THE NYANDO BASIN, KENYA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012 , 68, I_205-I_210	0.1	

101	Seasonal Variation in Turbulent Fluxes over Tibetan Plateau and Its Surrounding Areas: Research Note. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 157-171	2.8	7
100	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. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 131-144	2.8	5
99	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	2.8	11
98	A China-Japan Cooperative JICA Atmospheric Observing Network over the Tibetan Plateau (JICA/Tibet Project): An Overviews. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 1-16	2.8	32
97	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	2.8	10
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. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 99-112	2.8	7
95	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. <i>Journal of Hydrometeorology</i> , 2012 , 13, 204-222	3.7	46
94	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	3.1	
93	Integrated Modeling of Climate change impacts in the Yoshino River Basin, Japan for Basin Management Planning. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012 , 68, I_133-I_138	0.1	3
92	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, I_235-I_240	0.1	1
91	Atmospheric Conditions and Increasing Temperature over the Tibetan Plateau during Early Spring and the Pre-Monsoon Season in 2008. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 17-32	2.8	3
90	Generation processes of mesoscale convective systems following midlatitude troughs around the Sichuan Basin. <i>Journal of Geophysical Research</i> , 2011 , 116,		16
89	Modeling the hydrologic responses of the Pampanga River basin, Philippines: A quantitative approach for identifying droughts. <i>Water Resources Research</i> , 2011 , 47,	5.4	38
88	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,		59
87	Contrasting Impacts of the Indian Ocean Dipole and ENSO on the Tropospheric Biennial Oscillation. <i>Scientific Online Letters on the Atmosphere</i> , 2011 , 7, 13-16	2.1	6
86	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 Engineering)</i> , 2011 , 67, I_373-I_378	0.1	
85	SIMULATION OF INTERANNUAL VARIABILITY OF SNOW COVER AT VALDAI (RUSSIA) USING A DISTRIBUTED BIOSPHERE HYDROLOGICAL MODEL WITH IMPROVED SNOW PHYSICS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2011 , 67, I_73-I_78	0.1	4
84	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		26

83	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	8.1	26
82	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. <i>International Journal of Remote Sensing</i> , 2011 , 32, 1779-1796	3.1	3
81	Convective cloud discrimination using multi-frequency microwave signatures of the AMSR-E sensor: evaluation over the Tibetan Plateau. <i>International Journal of Remote Sensing</i> , 2011 , 32, 3451-3460	3.1	2
80	Improving land surface energy and water fluxes simulation over the Tibetan Plateau with using a land data assimilation system 2011 ,		1
79	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	4.4	65
78	REVIEW OF RECENT OBSERVATIONAL AND DYNAMICAL STUDIES ON THE CLIMATE IMPACTS OF THE TIBETAN PLATEAU. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2011 , 537-556		
77	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	1.8	24
76	Role of convective heating in the seasonal evolution of the Asian summer monsoon. <i>Journal of Geophysical Research</i> , 2010 , 115,		12
75	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,	5.4	28
74	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,		18
73	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	2	1
72	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		7
71	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	3.3	35
70	Time for a Change in Japanese Water Resources Policy, Part 1: Historical Review of Water Resources Management Policy and Challenges for the Future. <i>International Journal of Water Resources Development</i> , 2009 , 25, 555-564	3	8
69	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	3.7	69
68	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	6	114
67	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	3.5	16
66	Lower Triassic $\delta^{13}C$ isotope curve from shallow-marine carbonates in Japan, Panthalassa realm: Confirmation of the Tethys $\delta^{13}C$ curve. <i>Journal of Asian Earth Sciences</i> , 2009 , 36, 481-490	2.8	44

65	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	3.5	52
64	Time for a Change in Japanese Water Resources Policy, Part 2: Towards a Planning and Management Framework for Adapting to Changes. <i>International Journal of Water Resources Development</i> , 2009 , 25, 565-570	3	3
63	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,		90
62	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,		101
61	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). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008 , 46, 119-129	8.1	8
60	An Advanced Quality Control System for the CEOP/CAMP In-Situ Data Management. <i>IEEE Systems Journal</i> , 2008 , 2, 406-413	4.3	4
59	Seasonal variation of cloud activity and atmospheric profiles over the eastern part of the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008 , 113,		17
58	Evaluation of satellite estimates of downward shortwave radiation over the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008 , 113,		54
57	Improving the AMSR-E Soil Moisture Algorithm of the University of Tokyo through Field Experiments and Parameters Optimization 2008 ,		5
56	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. <i>Journal of Applied Meteorology and Climatology</i> , 2008 , 47, 276-290	2.7	131
55	Diurnal Variation of Convective Activity and Precipitable Water around Ulaanbaator, Mongolia, and the Impact of Soil Moisture on Convective Activity during Nighttime. <i>Monthly Weather Review</i> , 2008 , 136, 1401-1415	2.4	8
54	A New Integrated Observational System Over the Tibetan Plateau. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 1492-1496	6.1	33
53	The Development of 1-D Ice Cloud Microphysics Data Assimilation System (IMDAS) for Cloud Parameter Retrievals by Integrating Satellite Data 2008 ,		2
52	Satellite monitoring of the surface water and energy budget in the central Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 974-985	2.9	9
51	Development of a coupled land-atmosphere satellite data assimilation system for improved local atmospheric simulations. <i>Remote Sensing of Environment</i> , 2008 , 112, 720-734	13.2	15
50	Physical Validation of Microwave Properties of Winter Precipitation Over the Sea of Japan. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007 , 45, 2247-2258	8.1	3
49	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	2.8	131
48	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	2.8	12

47	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	2.8	20
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