

Taikan Oki

List of Publications by Year
in descending order

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Version: 2024-02-01

274
papers

24,071
citations

15504

65
h-index

8396

147
g-index

309
all docs

309
docs citations

309
times ranked

19860
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward hyper-resolution global hydrological models including human activities: application to Kyushu island, Japan. Hydrology and Earth System Sciences, 2022, 26, 1953-1975.	4.9	12
2	Short History and Future Prospects of Global Hydrology. Trends in the Sciences, 2022, 27, 1_12-1_16.	0.0	0
3	Importance of observational reliability for hydrological parameter optimization: a case study of the Upper Chao Phraya River in Thailand. Hydrological Research Letters, 2022, 16, 59-66.	0.5	0
4	Sensitivity of subregional distribution of socioeconomic conditions to the global assessment of water scarcity. Communications Earth & Environment, 2022, 3, .	6.8	4
5	The timing of unprecedented hydrological drought under climate change. Nature Communications, 2022, 13, .	12.8	77
6	A review of climate-change impact and adaptation studies for the water sector in Thailand. Environmental Research Letters, 2021, 16, 023004.	5.2	36
7	Applicability of a nationwide flood forecasting system for Typhoon Hagibis 2019. Scientific Reports, 2021, 11, 10213.	3.3	12
8	Optimal Multi-Sectoral Water Resources Allocation Based on Economic Evaluation Considering the Environmental Flow Requirements: A Case Study of Yellow River Basin. Water (Switzerland), 2021, 13, 2253.	2.7	10
9	Development of a coupled simulation framework representing the lake and river continuum of mass and energy (TCHOIR v1.0). Geoscientific Model Development, 2021, 14, 5669-5693.	3.6	5
10	Global integrated modeling framework of riverine dissolved inorganic nitrogen with seasonal variation. Hydrological Research Letters, 2021, 15, 50-57.	0.5	3
11	TOWARD THE GLOBAL-SCALE ESTIMATION OF WATER RESOURCES WITH A COUPLED MODEL FRAMEWORK OF HYDRO- AND THERMODYNAMICS IN RIVERS AND LAKES. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2021, 77, I_241-I_246.	0.1	0
12	Basin-scale evaluation of water demand and supply considering urban water intake and drainage system by using the H08 global hydrological model. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2021, 77, I_205-I_210.	0.1	2
13	Economically challenged and water scarce: identification of global populations most vulnerable to water crises. International Journal of Water Resources Development, 2020, 36, 416-428.	2.0	58
14	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. Water Resources Research, 2020, 56, e2019WR024957.	4.2	86
15	Using the sectoral and statistical demand to availability index to assess freshwater scarcity risk and effect of water resource management. Journal of Hydrology X, 2020, 8, 100058.	1.6	3
16	The Water Planetary Boundary: Interrogation and Revision. One Earth, 2020, 2, 223-234.	6.8	98
17	Water Governance Contribution to Water and Sanitation Access Equality in Developing Countries. Water Resources Research, 2020, 56, e2019WR025330.	4.2	43
18	World Water Resources at Stake. Advances in Geological Science, 2020, , 89-95.	0.1	1

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19	Advancing Precipitation Estimation, Prediction, and Impact Studies. Bulletin of the American Meteorological Society, 2020, 101, E1584-E1592.	3.3	14
20	Hydrosphereâ€”The Water Realm Which Supports Human Life. Advances in Geological Science, 2020, , 39-46.	0.1	0
21	Reconstructing the pristine flow of highly developed riversâ€”a case study on the Chao Phraya River. Hydrological Research Letters, 2020, 14, 89-96.	0.5	2
22	Observed controls on resilience of groundwater to climate variability in sub-Saharan Africa. Nature, 2019, 572, 230-234.	27.8	168
23	Foreword by Prof. Taikan OKI of the United Nations University (UNU) for the Journal of the International Consortium on Landslides. Landslides, 2019, 16, 2299-2300.	5.4	2
24	Dependence of economic impacts of climate change on anthropogenically directed pathways. Nature Climate Change, 2019, 9, 737-741.	18.8	49
25	Development of a Global River Water Temperature Model Considering Fluvial Dynamics and Seasonal Freezeâ€”Thaw Cycle. Water Resources Research, 2019, 55, 1366-1383.	4.2	17
26	How global targets on drinking water were developed and achieved. Nature Sustainability, 2019, 2, 429-434.	23.7	40
27	Event-to-event intensification of the hydrologic cycle from 1.5â€”Â°C to a 2â€”Â°C warmer world. Scientific Reports, 2019, 9, 3483.	3.3	67
28	Sensitivity of Global Hydrological Simulations to Groundwater Capillary Flux Parameterizations. Water Resources Research, 2019, 55, 402-425.	4.2	15
29	Visualizing the Interconnections Among Climate Risks. Earth's Future, 2019, 7, 85-100.	6.3	24
30	DEVELOPMENT OF GLOBAL TERRESTRIAL MODEL CONSIDERING SATURATED LATERAL FLOW. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2019, 75, I_265-I_270.	0.1	0
31	Towards the incorporation of tipping elements in global climate risk management: probability and potential impacts of passing a threshold. Sustainability Science, 2018, 13, 315-328.	4.9	5
32	The WULCA consensus characterization model for water scarcity footprints: assessing impacts of water consumption based on available water remaining (AWARE). International Journal of Life Cycle Assessment, 2018, 23, 368-378.	4.7	471
33	The Effect of Global Warming on Future Water Availability: CMIP5 Synthesis. Water Resources Research, 2018, 54, 7791-7819.	4.2	47
34	How Inter-Basin Transfer of Water Alters Basin Water Stress Used for Water Footprint Characterization. Environments - MDPI, 2018, 5, 105.	3.3	2
35	Precipitation Redistribution Method for Regional Simulations of Radioactive Material Transport During the Fukushima Daiichi Nuclear Power Plant Accident. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,248.	3.3	2
36	Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. Environmental Research Letters, 2018, 13, 065015.	5.2	85

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37	Paradigm Shifts on Flood Risk Management in Japan: Detecting Triggers of Design Flood Revisions in the Modern Era. <i>Water Resources Research</i> , 2018, 54, 5504-5515.	4.2	22
38	Impacts of climate and land use changes on river discharge in a small watershed: a case study of the Lam Chi subwatershed, northeast Thailand. <i>Hydrological Research Letters</i> , 2018, 12, 7-13.	0.5	8
39	Global Water Risk Management and the Limits of the Planetary Boundary. <i>Trends in the Sciences</i> , 2018, 23, 3_70-3_73.	0.0	0
40	DETERMINANTS OF WATER TEMPERATURE IN THE RIVERS OVER LOW-LATITUDE REGIONS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2018, 74, I_583-I_588.	0.1	0
41	DEVELOPMENT OF GLOBAL TERRESTRIAL MODEL INCLUDING SUB-GRID HILLSLOPE PROCESSES. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2018, 74, I_991-I_996.	0.1	0
42	Economic aspects of virtual water trade. <i>Environmental Research Letters</i> , 2017, 12, 044002.	5.2	44
43	Water scarcity hotspots travel downstream due to human interventions in the 20th and 21st century. <i>Nature Communications</i> , 2017, 8, 15697.	12.8	287
44	Water scarcity assessments in the past, present, and future. <i>Earth's Future</i> , 2017, 5, 545-559.	6.3	545
45	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) "A critique on the water-scarcity weighted water footprint in LCA". <i>Ecological Indicators</i> , 2017, 72, 352-359.	6.3	158
46	Relative contributions of weather systems to mean and extreme global precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 152-167.	3.3	51
47	Chronological Development of Terrestrial Mean Precipitation. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2411-2428.	3.3	7
48	Evaluation of MERIS Chlorophyll-a Retrieval Processors in a Complex Turbid Lake Kasumigaura over a 10-Year Mission. <i>Remote Sensing</i> , 2017, 9, 1022.	4.0	22
49	Assessment of Chlorophyll-a Algorithms Considering Different Trophic Statuses and Optimal Bands. <i>Sensors</i> , 2017, 17, 1746.	3.8	26
50	Human-water interface in hydrological modelling: current status and future directions. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4169-4193.	4.9	171
51	Decontamination Reduces Radiation Anxiety and Improves Subjective Well-Being after the Fukushima Accident. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 241, 103-116.	1.2	16
52	Evapotranspiration seasonality across the Amazon Basin. <i>Earth System Dynamics</i> , 2017, 8, 439-454.	7.1	71
53	Impacts of spatial resolution and representation of flow connectivity on large-scale simulation of floods. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5143-5163.	4.9	32
54	Multi-Algorithm Indices and Look-Up Table for Chlorophyll-a Retrieval in Highly Turbid Water Bodies Using Multispectral Data. <i>Remote Sensing</i> , 2017, 9, 556.	4.0	18

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55	Catchment-Scale Water Management of Wastewater Treatment in an Urban Sewerage System with CO2 Emission Assessment. Science for Sustainable Societies, 2017, , 151-163.	0.5	0
56	STUDY OF THE ROLE OF INUNDATION ON RIVER WATER TEMPERATURE WITH A NUMERICAL MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2017, 73, I_1213-I_1218.	0.1	1
57	VALIDATION OF RIVER DISCHARGE FROM A TERRESTRIAL MODEL WITH 1KM RESOLUTION OVER JAPAN. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_71-I_79.	0.1	1
58	Variations of global and continental water balance components as impacted by climate forcing uncertainty and human water use. Hydrology and Earth System Sciences, 2016, 20, 2877-2898.	4.9	151
59	Statistical model for economic damage from pluvial floods in Japan using rainfall data and socioeconomic parameters. Natural Hazards and Earth System Sciences, 2016, 16, 1063-1077.	3.6	21
60	LS3MIP (v1.0) contribution to CMIP6: the Land Surface, Snow and Soil moisture Model Intercomparison Project “ aims, setup and expected outcome. Geoscientific Model Development, 2016, 9, 2809-2832.	3.6	152
61	Potential Impacts of Food Production on Freshwater Availability Considering Water Sources. Water (Switzerland), 2016, 8, 163.	2.7	8
62	How Achieving the Millennium Development Goals Increases Subjective Well-Being in Developing Nations. Sustainability, 2016, 8, 189.	3.2	10
63	The Effects of Five Forms of Capital on Thought Processes Underlying Water Consumption Behavior in Suburban Vientiane. Sustainability, 2016, 8, 538.	3.2	5
64	Long-distance transport of radioactive plume by nocturnal local winds. Scientific Reports, 2016, 6, 36584.	3.3	10
65	Occurrence and partition ratios of radiocesium in an urban river during dry and wet weather after the 2011 nuclear accident in Fukushima. Water Research, 2016, 92, 87-93.	11.3	11
66	Which weather systems are projected to cause future changes in mean and extreme precipitation in CMIP5 simulations?. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,522.	3.3	21
67	IMPACT ASSESSMENT OF HIGH RESOLUTION RIVER INUNDATION PROCESSES IN A CLIMATE MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_115-I_120.	0.1	0
68	Water Resources Management and Adaptation to Climate Change. Water Resources Development and Management, 2016, , 27-40.	0.4	2
69	Evaluation of Risk Perception and Risk-Comparison Information Regarding Dietary Radionuclides after the 2011 Fukushima Nuclear Power Plant Accident. PLoS ONE, 2016, 11, e0165594.	2.5	46
70	Evaluating the Diurnal Cycle of Precipitation Representation in West African Monsoon Region with Different Convection Schemes. , 2016, , 169-191.		0
71	Disruption of hydroecological equilibrium in southwest Amazon mediated by drought. Geophysical Research Letters, 2015, 42, 7546-7553.	4.0	34
72	SIMULATION OF RADIOACTIVE TRACER TRANSPORT USING ISORMS AND UNCERTAINTY ANALYSES. Journal of Japan Society of Civil Engineers, 2015, 3, 60-66.	0.2	4

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73	<i>FluxPro</i> as a realtime monitoring and surveilling system for eddy covariance flux measurement. J Agricultural Meteorology, 2015, 71, 32-50.	1.5	10
74	Water Scarcity Footprints by Considering the Differences in Water Sources. Sustainability, 2015, 7, 9753-9772.	3.2	43
75	Was the Risk from Nursing-Home Evacuation after the Fukushima Accident Higher than the Radiation Risk?. PLoS ONE, 2015, 10, e0137906.	2.5	58
76	A framework for the cross-sectoral integration of multi-model impact projections: land use decisions under climate impacts uncertainties. Earth System Dynamics, 2015, 6, 447-460.	7.1	38
77	Incorporation of groundwater pumping in a global Land Surface Model with the representation of human impacts. Water Resources Research, 2015, 51, 78-96.	4.2	162
78	Re-evaluation of future water stress due to socio-economic and climate factors under a warming climate. Hydrological Sciences Journal, 2015, 60, 14-29.	2.6	35
79	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. Weather and Forecasting, 2015, 30, 424-445.	1.4	22
80	Integrating risks of climate change into water management. Hydrological Sciences Journal, 2015, 60, 4-13.	2.6	119
81	Bias correction techniques for meteorological data of A2 scenario climate model output in Chao Phraya River Basin of Thailand. Hydrological Research Letters, 2014, 8, 71-76.	0.5	4
82	Extreme precipitation intensity in future climates associated with the Clausius-Clapeyron-like relationship. Hydrological Research Letters, 2014, 8, 108-113.	0.5	17
83	Estimated Dietary Intake of Radionuclides and Health Risks for the Citizens of Fukushima City, Tokyo, and Osaka after the 2011 Nuclear Accident. PLoS ONE, 2014, 9, e112791.	2.5	30
84	Long-term analysis of evapotranspiration over a diverse land use area in northern Thailand. Hydrological Research Letters, 2014, 8, 45-50.	0.5	13
85	Application of performance metrics to climate models for projecting future river discharge in the Chao Phraya River basin. Hydrological Research Letters, 2014, 8, 33-38.	0.5	40
86	Present status of the global change observation mission 1st - water 'SHIZUKU' (GCOM-W1) and the advanced microwave scanning radiometer 2 (AMSR2). , 2014, , .		0
87	Water Conflict Risk due to Water Resource Availability and Unequal Distribution. Water Resources Management, 2014, 28, 169-184.	3.9	59
88	Representing Variability in Subgrid Snow Cover and Snow Depth in a Global Land Model: Offline Validation. Journal of Climate, 2014, 27, 3318-3330.	3.2	48
89	Estimating the collapse of aggregated fine soil structure in a mountainous forested catchment. Journal of Environmental Management, 2014, 138, 24-31.	7.8	5
90	Projection of future world water resources under SRES scenarios: an integrated assessment. Hydrological Sciences Journal, 2014, 59, 1775-1793.	2.6	42

91	Climatological characteristics of fronts in the western North Pacific based on surface weather charts. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9400-9418.	3.3	16
92	DEVELOPMENT OF A GLOBAL FLOOD AFFECTED POPULATION REAL-TIME CALCULATION SYSTEM WITH A LAND SURFACE-FLOOD INUNDATION MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq0 0 0 rgt /Overclock 10		
93	CHANGE OF VIRTUAL WATER IMPORT TO JAPAN IN A RECENT DECADE. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, 1_481-1_486.	0.1	1
94	How to think water crisis out (Mizu-kiki Hontou no Hanashi). Suimon Mizu Shigen Gakkaishi, 2014, 27, 17-18.	0.1	0
95	Global-scale land surface hydrologic modeling with the representation of water table dynamics. Journal of Geophysical Research D: Atmospheres, 2014, 119, 75-89.	3.3	93
96	Assessing the impacts of reservoir operation to floodplain inundation by combining hydrological, reservoir management, and hydrodynamic models. Water Resources Research, 2014, 50, 7245-7266.	4.2	106
97	Water and Energy Cycles. Encyclopedia of Earth Sciences Series, 2014, , 895-903.	0.1	1
98	Conversion of surface water coverage to water volume using satellite data. Hydrological Research Letters, 2014, 8, 15-19.	0.5	1
99	Characterization Factors for Water Availability Footprint Considering the Difference of Water Sources Based on a Global Water Resource Model. Journal of Life Cycle Assessment Japan, 2014, 10, 327-339.	0.0	1
100	Probability assessment of flood and sediment disasters in Japan using the Total Runoff-Integrating Pathways model. International Journal of Disaster Risk Reduction, 2013, 3, 31-43.	3.9	32
101	Assessing the effects of consecutive sediment-control dams using a numerical hydraulic experiment to model river-bed variation. Catena, 2013, 104, 174-185.	5.0	15
102	Estimation of the effects of chemically-enhanced treatment of urban sewage system based on life-cycle management. Sustainable Cities and Society, 2013, 9, 23-31.	10.4	22
103	Seasonal variation of land-atmosphere coupling strength over the West African monsoon region in an atmospheric general circulation model. Hydrological Sciences Journal, 2013, 58, 1276-1286.	2.6	15
104	A model-based test of accuracy of seawater oxygen isotope ratio record derived from a coral dual proxy method at southeastern Luzon Island, the Philippines. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 853-859.	3.0	8
105	Assessment of potential suspended sediment yield in Japan in the 21st century with reference to the general circulation model climate change scenarios. Global and Planetary Change, 2013, 102, 1-9.	3.5	13
106	Difference in the Priestley-Taylor coefficients at two different heights of a tall micrometeorological tower. Agricultural and Forest Meteorology, 2013, 180, 97-101.	4.8	7
107	Assessment of the historical environmental changes from a survey of local residents in an urban-rural catchment. Ecological Complexity, 2013, 15, 83-96.	2.9	9
108	Land Use and Land Cover Changes and Their Impacts on Hydroclimate, Ecosystems and Society. , 2013, , 185-203.		12

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109	The Basic Performance of a Precipitation Retrieval Algorithm for the Global Precipitation Measurement Mission's Single/Dual-Frequency Radar Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5239-5251.	6.3	142
110	Reply to 'Overestimated water storage'. Nature Geoscience, 2013, 6, 3-4.	12.9	4
111	SIMULATION OF RADIOACTIVE TRACER TRANSPORT USING ISORSM AND UNCERTAINTY ANALYSES. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_1765-I_1770.	0.1	2
112	The relationship between extreme precipitation and surface air temperature in Bangladesh.. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_127-I_132.	0.1	0
113	Future projection of mean river discharge climatology for the Chao Phraya River basin. Hydrological Research Letters, 2013, 7, 36-41.	0.5	23
114	The effects of country-level population policy for enhancing adaptation to climate change. Hydrology and Earth System Sciences, 2013, 17, 4429-4440.	4.9	9
115	Improving Understanding of the Global Hydrologic Cycle. , 2013, , 151-184.		14
116	Evaluation of Extreme Rain Estimates in the TRMM/PR Standard Product Version 7 Using High-Temporal-Resolution Rain Gauge Datasets over Japan. Scientific Online Letters on the Atmosphere, 2013, 9, 98-101.	1.4	13
117	Incorporating Anthropogenic Water Regulation Modules into a Land Surface Model. Journal of Hydrometeorology, 2012, 13, 255-269.	1.9	226
118	Analysis of stream water quality and estimation of nutrient load with the aid of Quick Bird remote sensing imagery. Hydrological Sciences Journal, 2012, 57, 850-860.	2.6	15
119	Products and science from GCOM-W1. Proceedings of SPIE, 2012, , .	0.8	1
120	EVALUATION OF INUNDATION RISK IN WHOLE JAPANE BASED ON DAILY PRECIPITATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_1075-I_1080.	0.1	1
121	REPRESENTATION OF SUBGRID SCALE SNOW COVER AND SNOW DEPTH VARIABILITIES IN A GLOBAL LAND MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_325-I_330.	0.1	2
122	A NEW METHOD FOR ASSESSING THE CAUSES OF EXTREME PRECIPITATION CHANGE UNDER CHANGED CLIMATE CONSIDERING THE ATMOSPHERIC HUMIDITY. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_421-I_426.	0.1	0
123	GLOBAL SIMULATION OF GROUNDWATER RECHARGE, WATER TABLE DEPTH, AND LOW FLOW USING A LAND SURFACE MODEL WITH GROUNDWATER REPRESENTATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_211-I_216.	0.1	3
124	Status of AMSR2 on GCOM-W1. Proceedings of SPIE, 2012, , .	0.8	9
125	Decreasing precipitation extremes at higher temperatures in tropical regions. Natural Hazards, 2012, 64, 935-941.	3.4	48
126	Application of temperature, water stress, CO2 in rice growth models. Rice, 2012, 5, 10.	4.0	20

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127	Interannual variability of $H_2^{18}O$ in precipitation over the Asian monsoon region. Journal of Geophysical Research, 2012, 117, .	3.3	52
128	Intercomparison of bias correction methods for monthly temperature and precipitation simulated by multiple climate models. Journal of Geophysical Research, 2012, 117, .	3.3	134
129	Analysis of the water level dynamics simulated by a global river model: A case study in the Amazon River. Water Resources Research, 2012, 48, .	4.2	94
130	Ecological and hydrological responses to climate change in an urban-forested catchment, Nagara River basin, Japan. Urban Climate, 2012, 1, 40-54.	5.7	13
131	Characteristics of the 2011 Chao Phraya River flood in Central Thailand. Hydrological Research Letters, 2012, 6, 41-46.	0.5	178
132	A new rain detection method to complement high-resolution global precipitation products. Hydrological Research Letters, 2012, 6, 82-86.	0.5	3
133	Model estimates of sea-level change due to anthropogenic impacts on terrestrial water storage. Nature Geoscience, 2012, 5, 389-392.	12.9	201
134	The onset of the West African monsoon simulated in a high-resolution atmospheric general circulation model with reanalyzed soil moisture fields. Atmospheric Science Letters, 2012, 13, 103-107.	1.9	10
135	On the relationship between the Bowen ratio and the near-surface air temperature. Theoretical and Applied Climatology, 2012, 108, 135-145.	2.8	24
136	Estimation of thyroid doses and health risks resulting from the intake of radioactive iodine in foods and drinking water by the citizens of Tokyo after the Fukushima nuclear accident. Chemosphere, 2012, 87, 1355-1360.	8.2	27
137	Assessing environmental improvement options from a water quality perspective for an urban-rural catchment. Environmental Modelling and Software, 2012, 32, 16-26.	4.5	26
138	Adjustment of a spaceborne DEM for use in floodplain hydrodynamic modeling. Journal of Hydrology, 2012, 436-437, 81-91.	5.4	107
139	Testing the hypothesis on the relationship between aerodynamic roughness length and albedo using vegetation structure parameters. International Journal of Biometeorology, 2012, 56, 411-418.	3.0	18
140	Changes in Flood Risk under Global Warming Estimated Using MIROC5 and the Discharge Probability Index. Journal of the Meteorological Society of Japan, 2012, 90, 509-524.	1.8	11
141	The Current of Research Projects in the World on Hydrology. Trends in the Sciences, 2012, 17, 11_76-11_78.	0.0	0
142	A physically based description of floodplain inundation dynamics in a global river routing model. Water Resources Research, 2011, 47, .	4.2	527
143	Does higher surface temperature intensify extreme precipitation?. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	290
144	Development of a global flood risk index based on natural and socio-economic factors. Hydrological Sciences Journal, 2011, 56, 789-804.	2.6	28

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145	Long-term changes in flood event patterns due to changes in hydrological distribution parameters in a rural-urban catchment, Shikoku, Japan. Atmospheric Research, 2011, 101, 164-177.	4.1	20
146	Modeling reservoir sedimentation associated with an extreme flood and sediment flux in a mountainous granitoid catchment, Japan. Geomorphology, 2011, 125, 263-270.	2.6	28
147	Modeling shallow landslides and river bed variation associated with extreme rainfall-runoff events in a granitoid mountainous forested catchment in Japan. Geomorphology, 2011, 125, 282-292.	2.6	17
148	Assessment of global nitrogen pollution in rivers using an integrated biogeochemical modeling framework. Water Research, 2011, 45, 2573-2586.	11.3	115
149	Tolerance of eddy covariance flux measurement. Hydrological Research Letters, 2011, 5, 73-77.	0.5	5
150	RELATIONS OF HOURLY PRECIPITATION EXTREMES AND TEMPERATURE OVER JAPAN BASED ON GROUND OBSERVATIONAL RECORDS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_307-I_312.	0.1	0
151	TOWARD A MAPPING OF GROUNDWATER RECHARGE POTENTIAL: TESTING A DROUGHTY FLOW BASED APPROACH. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_385-I_390.	0.1	0
152	The effects of annual precipitation and mean air temperature on annual runoff in global forest regions. Climatic Change, 2011, 108, 401-410.	3.6	9
153	Visioning: an essential framework in sustainability science. Sustainability Science, 2011, 6, 247-251.	4.9	36
154	Estimating monthly total nitrogen concentration in streams by using artificial neural network. Journal of Environmental Management, 2011, 92, 172-177.	7.8	51
155	Spatial and temporal variation in nutrient parameters in stream water in a rural-urban catchment, Shikoku, Japan: Effects of land cover and human impact. Journal of Environmental Management, 2011, 92, 1837-1848.	7.8	125
156	Toward global-scale data assimilation using SWOT: Requirements for global hydrodynamics models. , 2011, , .		3
157	Multimodel Estimate of the Global Terrestrial Water Balance: Setup and First Results. Journal of Hydrometeorology, 2011, 12, 869-884.	1.9	466
158	Status of GCOM-W1/AMSR2 development, algorithms, and products. Proceedings of SPIE, 2011, , .	0.8	5
159	Relationship between cloud droplet effective radius and cloud top height for deep convective clouds in CloudSat data product. , 2011, , .		0
160	Global Hydrology. , 2011, , 3-25.		0
161	Status of GCOM-W1 development and expected meteorological applications. Proceedings of SPIE, 2010, , .	0.8	0
162	Global Change Observation Mission (GCOM) for Monitoring Carbon, Water Cycles, and Climate Change. Proceedings of the IEEE, 2010, 98, 717-734.	21.3	198

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163	An estimation of global virtual water flow and sources of water withdrawal for major crops and livestock products using a global hydrological model. <i>Journal of Hydrology</i> , 2010, 384, 232-244.	5.4	284
164	The effect of estimated PAR uncertainties on the physiological processes of biosphere models. <i>Ecological Modelling</i> , 2010, 221, 1575-1579.	2.5	10
165	Estimating <i>Plecoglossus altivelis altivelis</i> migration using a mass balance model expressed by hydrological distribution parameters in a major limpid river basin in Japan. <i>Ecological Modelling</i> , 2010, 221, 2808-2815.	2.5	7
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