

# Taikan Oki

## List of Publications by Year in descending order

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274  
papers

24,071  
citations

15466

65  
h-index

8370

147  
g-index

309  
all docs

309  
docs citations

309  
times ranked

19860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Hydrological Cycles and World Water Resources. <i>Science</i> , 2006, 313, 1068-1072.	6.0	3,042
2	Regions of Strong Coupling Between Soil Moisture and Precipitation. <i>Science</i> , 2004, 305, 1138-1140.	6.0	2,337
3	IAHS Decade on Predictions in Ungauged Basins (PUB), 2003â€“2012: Shaping an exciting future for the hydrological sciences. <i>Hydrological Sciences Journal</i> , 2003, 48, 857-880.	1.2	982
4	The implications of projected climate change for freshwater resources and their management. <i>Hydrological Sciences Journal</i> , 2008, 53, 3-10.	1.2	668
5	GLACE: The Global Landâ€“Atmosphere Coupling Experiment. Part I: Overview. <i>Journal of Hydrometeorology</i> , 2006, 7, 590-610.	0.7	616
6	GSWP-2: Multimodel Analysis and Implications for Our Perception of the Land Surface. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1381-1398.	1.7	607
7	Water scarcity assessments in the past, present, and future. <i>Earth's Future</i> , 2017, 5, 545-559.	2.4	545
8	Global potential soil erosion with reference to land use and climate changes. <i>Hydrological Processes</i> , 2003, 17, 2913-2928.	1.1	534
9	A physically based description of floodplain inundation dynamics in a global river routing model. <i>Water Resources Research</i> , 2011, 47, .	1.7	527
10	An integrated model for the assessment of global water resources â€“ Part 1: Model description and input meteorological forcing. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 1007-1025.	1.9	474
11	The WULCA consensus characterization model for water scarcity footprints: assessing impacts of water consumption based on available water remaining (AWARE). <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 368-378.	2.2	471
12	Multimodel Estimate of the Global Terrestrial Water Balance: Setup and First Results. <i>Journal of Hydrometeorology</i> , 2011, 12, 869-884.	0.7	466
13	A reservoir operation scheme for global river routing models. <i>Journal of Hydrology</i> , 2006, 327, 22-41.	2.3	353
14	Design of Total Runoff Integrating Pathways (TRIP)â€“A Global River Channel Network. <i>Earth Interactions</i> , 1998, 2, 1-37.	0.7	352
15	Global projections of changing risks of floods and droughts in a changing climate. <i>Hydrological Sciences Journal</i> , 2008, 53, 754-772.	1.2	347
16	An integrated model for the assessment of global water resources â€“ Part 2: Applications and assessments. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 1027-1037.	1.9	341
17	Impact of Climate Change on River Discharge Projected by Multimodel Ensemble. <i>Journal of Hydrometeorology</i> , 2006, 7, 1076-1089.	0.7	338
18	GLACE: The Global Landâ€“Atmosphere Coupling Experiment. Part II: Analysis. <i>Journal of Hydrometeorology</i> , 2006, 7, 611-625.	0.7	337

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19	Historical isotope simulation using Reanalysis atmospheric data. Journal of Geophysical Research, 2008, 113, .	3.3	328
20	Does higher surface temperature intensify extreme precipitation?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	290
21	Water scarcity hotspots travel downstream due to human interventions in the 20th and 21st century. Nature Communications, 2017, 8, 15697.	5.8	287
22	An estimation of global virtual water flow and sources of water withdrawal for major crops and livestock products using a global hydrological model. Journal of Hydrology, 2010, 384, 232-244.	2.3	284
23	Impact of vegetation coverage on regional water balance in the nonhumid regions of China. Water Resources Research, 2009, 45, .	1.7	254
24	Assessment of Annual Runoff from Land Surface Models Using Total Runoff Integrating Pathways (TRIP). Journal of the Meteorological Society of Japan, 1999, 77, 235-255.	0.7	244
25	Incorporating Anthropogenic Water Regulation Modules into a Land Surface Model. Journal of Hydrometeorology, 2012, 13, 255-269.	0.7	226
26	Virtual water trade and world water resources. Water Science and Technology, 2004, 49, 203-209.	1.2	204
27	Model estimates of sea-level change due to anthropogenic impacts on terrestrial water storage. Nature Geoscience, 2012, 5, 389-392.	5.4	201
28	Global Change Observation Mission (GCOM) for Monitoring Carbon, Water Cycles, and Climate Change. Proceedings of the IEEE, 2010, 98, 717-734.	16.4	198
29	Global assessment of current water resources using total runoff integrating pathways. Hydrological Sciences Journal, 2001, 46, 983-995.	1.2	193
30	Characteristics of the 2011 Chao Phraya River flood in Central Thailand. Hydrological Research Letters, 2012, 6, 41-46.	0.3	178
31	Human-water interface in hydrological modelling: current status and future directions. Hydrology and Earth System Sciences, 2017, 21, 4169-4193.	1.9	171
32	Observed controls on resilience of groundwater to climate variability in sub-Saharan Africa. Nature, 2019, 572, 230-234.	13.7	168
33	Projection of future world water resources under SRES scenarios: water withdrawal / Projection des ressources en eau mondiales futures selon les scénarios du RSSE: prélévement d'eau. Hydrological Sciences Journal, 2008, 53, 11-33.	1.2	164
34	Incorporation of groundwater pumping in a global Land Surface Model with the representation of human impacts. Water Resources Research, 2015, 51, 78-96.	1.7	162
35	Global atmospheric water balance and runoff from large river basins. Hydrological Processes, 1995, 9, 655-678.	1.1	158
36	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) – a critique on the water-scarcity weighted water footprint in LCA. Ecological Indicators, 2017, 72, 352-359.	2.6	158

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37	Seasonal Change of the Diurnal Cycle of Precipitation over Japan and Malaysia. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 1445-1463.	1.7	152
38	LS3MIP (v1.0) contribution to CMIP6: the Land Surface, Snow and Soil moisture Model Intercomparison Project “ aims, setup and expected outcome. <i>Geoscientific Model Development</i> , 2016, 9, 2809-2832.	1.3	152
39	Variations of global and continental water balance components as impacted by climate forcing uncertainty and human water use. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2877-2898.	1.9	151
40	Impact of Deforestation on Regional Precipitation over the Indochina Peninsula. <i>Journal of Hydrometeorology</i> , 2001, 2, 51-70.	0.7	145
41	The Basic Performance of a Precipitation Retrieval Algorithm for the Global Precipitation Measurement Mission's Single/Dual-Frequency Radar Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 5239-5251.	2.7	142
42	Role of rivers in the seasonal variations of terrestrial water storage over global basins. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	140
43	Intercomparison of bias correction methods for monthly temperature and precipitation simulated by multiple climate models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	134
44	Spatial and temporal variation in nutrient parameters in stream water in a rural-urban catchment, Shikoku, Japan: Effects of land cover and human impact. <i>Journal of Environmental Management</i> , 2011, 92, 1837-1848.	3.8	125
45	Integrating risks of climate change into water management. <i>Hydrological Sciences Journal</i> , 2015, 60, 4-13.	1.2	119
46	Investigating the roles of climate seasonality and landscape characteristics on mean annual and monthly water balances. <i>Journal of Hydrology</i> , 2008, 357, 255-269.	2.3	116
47	Assessment of global nitrogen pollution in rivers using an integrated biogeochemical modeling framework. <i>Water Research</i> , 2011, 45, 2573-2586.	5.3	115
48	The Influence of Precipitation Variability and Partial Irrigation within Grid Cells on a Hydrological Simulation. <i>Journal of Hydrometeorology</i> , 2007, 8, 499-512.	0.7	114
49	Deriving a global river network map and its sub-grid topographic characteristics from a fine-resolution flow direction map. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2241-2251.	1.9	110
50	Hydrological Cycles Change in the Yellow River Basin during the Last Half of the Twentieth Century. <i>Journal of Climate</i> , 2008, 21, 1790-1806.	1.2	109
51	Adjustment of a spaceborne DEM for use in floodplain hydrodynamic modeling. <i>Journal of Hydrology</i> , 2012, 436-437, 81-91.	2.3	107
52	Assessing the impacts of reservoir operation to floodplain inundation by combining hydrological, reservoir management, and hydrodynamic models. <i>Water Resources Research</i> , 2014, 50, 7245-7266.	1.7	106
53	A quantitative analysis of short-term $^{18}\text{O}$ variability with a Rayleigh-type isotope circulation model. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	98
54	The Water Planetary Boundary: Interrogation and Revision. <i>One Earth</i> , 2020, 2, 223-234.	3.6	98

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55	A grid-based assessment of global water scarcity including virtual water trading. <i>Water Resources Management</i> , 2006, 21, 19-33.	1.9	96
56	Analysis of the water level dynamics simulated by a global river model: A case study in the Amazon River. <i>Water Resources Research</i> , 2012, 48, .	1.7	94
57	Global-scale land surface hydrologic modeling with the representation of water table dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 75-89.	1.2	93
58	Colored Moisture Analysis Estimates of Variations in 1998 Asian Monsoon Water Sources. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 1315-1329.	0.7	87
59	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. <i>Water Resources Research</i> , 2020, 56, e2019WR024957.	1.7	86
60	Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. <i>Environmental Research Letters</i> , 2018, 13, 065015.	2.2	85
61	Iso-MATSIRO, a land surface model that incorporates stable water isotopes. <i>Global and Planetary Change</i> , 2006, 51, 90-107.	1.6	82
62	The timing of unprecedented hydrological drought under climate change. <i>Nature Communications</i> , 2022, 13, .	5.8	77
63	A SRES-based gridded global population dataset for 1990–2100. <i>Population and Environment</i> , 2007, 28, 113-131.	1.3	71
64	Evapotranspiration seasonality across the Amazon Basin. <i>Earth System Dynamics</i> , 2017, 8, 439-454.	2.7	71
65	A 100-year (1901–2000) global retrospective estimation of the terrestrial water cycle. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	68
66	Event-to-event intensification of the hydrologic cycle from 1.5°C to a 2°C warmer world. <i>Scientific Reports</i> , 2019, 9, 3483.	1.6	67
67	Multi-scale model analysis of boundary layer ozone over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3277-3301.	1.9	66
68	Long-range transport of acidifying substances in East Asia—Part II: Source–receptor relationships. <i>Atmospheric Environment</i> , 2008, 42, 5956-5967.	1.9	63
69	Dynamics of Terrestrial Water Storage Change from Satellite and Surface Observations and Modeling. <i>Journal of Hydrometeorology</i> , 2010, 11, 156-170.	0.7	63
70	Design of Total Runoff Integrating Pathways (TRIP)—A Global River Channel Network. <i>Earth Interactions</i> , 0, 2, 1-1.	0.7	63
71	Water Conflict Risk due to Water Resource Availability and Unequal Distribution. <i>Water Resources Management</i> , 2014, 28, 169-184.	1.9	59
72	Was the Risk from Nursing-Home Evacuation after the Fukushima Accident Higher than the Radiation Risk?. <i>PLoS ONE</i> , 2015, 10, e0137906.	1.1	58

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73	Economically challenged and water scarce: identification of global populations most vulnerable to water crises. <i>International Journal of Water Resources Development</i> , 2020, 36, 416-428.	1.2	58
74	Dynamics of surface water storage in the Amazon inferred from measurements of inter-satellite distance change. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	56
75	Changes in Hourly Heavy Precipitation at Tokyo from 1890 to 1999. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 241-247.	0.7	53
76	Rainfall Amount, Intensity, Duration, and Frequency Relationships in the Mae Chaem Watershed in Southeast Asia. <i>Journal of Hydrometeorology</i> , 2004, 5, 458-470.	0.7	52
77	Interannual variability of $H_2O$ in precipitation over the Asian monsoon region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	52
78	Estimating monthly total nitrogen concentration in streams by using artificial neural network. <i>Journal of Environmental Management</i> , 2011, 92, 172-177.	3.8	51
79	Relative contributions of weather systems to mean and extreme global precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 152-167.	1.2	51
80	Dependence of economic impacts of climate change on anthropogenically directed pathways. <i>Nature Climate Change</i> , 2019, 9, 737-741.	8.1	49
81	Decreasing precipitation extremes at higher temperatures in tropical regions. <i>Natural Hazards</i> , 2012, 64, 935-941.	1.6	48
82	Representing Variability in Subgrid Snow Cover and Snow Depth in a Global Land Model: Offline Validation. <i>Journal of Climate</i> , 2014, 27, 3318-3330.	1.2	48
83	Global runoff routing with the hydrological component of the ECMWF NWP system. <i>International Journal of Climatology</i> , 2010, 30, 2155-2174.	1.5	47
84	The Effect of Global Warming on Future Water Availability: CMIP5 Synthesis. <i>Water Resources Research</i> , 2018, 54, 7791-7819.	1.7	47
85	Evaluation of Risk Perception and Risk-Comparison Information Regarding Dietary Radionuclides after the 2011 Fukushima Nuclear Power Plant Accident. <i>PLoS ONE</i> , 2016, 11, e0165594.	1.1	46
86	Economic aspects of virtual water trade. <i>Environmental Research Letters</i> , 2017, 12, 044002.	2.2	44
87	Water Scarcity Footprints by Considering the Differences in Water Sources. <i>Sustainability</i> , 2015, 7, 9753-9772.	1.6	43
88	Water Governance Contribution to Water and Sanitation Access Equality in Developing Countries. <i>Water Resources Research</i> , 2020, 56, e2019WR025330.	1.7	43
89	Agrometeorological conditions of grassland vegetation in central Mongolia and their impact for leaf area growth. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	42
90	Projection of future world water resources under SRES scenarios: an integrated assessment. <i>Hydrological Sciences Journal</i> , 2014, 59, 1775-1793.	1.2	42

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91	Application of performance metrics to climate models for projecting future river discharge in the Chao Phraya River basin. <i>Hydrological Research Letters</i> , 2014, 8, 33-38.	0.3	40
92	How global targets on drinking water were developed and achieved. <i>Nature Sustainability</i> , 2019, 2, 429-434.	11.5	40
93	A framework for the cross-sectoral integration of multi-model impact projections: land use decisions under climate impacts uncertainties. <i>Earth System Dynamics</i> , 2015, 6, 447-460.	2.7	38
94	Visioneering: an essential framework in sustainability science. <i>Sustainability Science</i> , 2011, 6, 247-251.	2.5	36
95	A review of climate-change impact and adaptation studies for the water sector in Thailand. <i>Environmental Research Letters</i> , 2021, 16, 023004.	2.2	36
96	Re-evaluation of future water stress due to socio-economic and climate factors under a warming climate. <i>Hydrological Sciences Journal</i> , 2015, 60, 14-29.	1.2	35
97	Contrail observations over Southern and Eastern Asia in NOAA/AVHRR data and comparisons to contrail simulations in a GCM. <i>International Journal of Remote Sensing</i> , 2007, 28, 2049-2069.	1.3	34
98	A spatial analysis of hydro-climatic and vegetation condition trends in the Yellow River basin. <i>Hydrological Processes</i> , 2008, 22, 451-458.	1.1	34
99	Disruption of hydroecological equilibrium in southwest Amazon mediated by drought. <i>Geophysical Research Letters</i> , 2015, 42, 7546-7553.	1.5	34
100	Long-range transport of acidifying substances in East Asia—Part I Model evaluation and sensitivity studies. <i>Atmospheric Environment</i> , 2008, 42, 5939-5955.	1.9	33
101	Toward flood risk prediction: a statistical approach using a 29-year river discharge simulation over Japan. <i>Hydrological Research Letters</i> , 2008, 2, 22-26.	0.3	32
102	Modelling the catchment-scale environmental impacts of wastewater treatment in an urban sewage system for CO2 emission assessment. <i>Water Science and Technology</i> , 2010, 62, 972-984.	1.2	32
103	Probability assessment of flood and sediment disasters in Japan using the Total Runoff-Integrating Pathways model. <i>International Journal of Disaster Risk Reduction</i> , 2013, 3, 31-43.	1.8	32
104	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.	1.9	32
105	Influence of “Realistic” Land Surface Wetness on Predictability of Seasonal Precipitation in Boreal Summer. <i>Journal of Climate</i> , 2006, 19, 1450-1460.	1.2	30
106	Estimated Dietary Intake of Radionuclides and Health Risks for the Citizens of Fukushima City, Tokyo, and Osaka after the 2011 Nuclear Accident. <i>PLoS ONE</i> , 2014, 9, e112791.	1.1	30
107	Spatial rainfall distribution at a storm event in mountainous regions, estimated by orography and wind direction. <i>Water Resources Research</i> , 1991, 27, 359-369.	1.7	29
108	Seasonal cycle of water storage in major river basins of the world. <i>Geophysical Research Letters</i> , 2001, 28, 3215-3218.	1.5	29

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109	The Seasonal Change of the Water Budget in the Congo River Basin. Journal of the Meteorological Society of Japan, 1994, 72, 281-299.	0.7	28
110	Off-line simulation of the Amazon water balance: a sensitivity study with implications for GSWP. Climate Dynamics, 2002, 19, 141-154.	1.7	28
111	Development of a global flood risk index based on natural and socio-economic factors. Hydrological Sciences Journal, 2011, 56, 789-804.	1.2	28
112	Modeling reservoir sedimentation associated with an extreme flood and sediment flux in a mountainous granitoid catchment, Japan. Geomorphology, 2011, 125, 263-270.	1.1	28
113	Movement of Amazon surface water from time-variable satellite gravity measurements and implications for water cycle parameters in land surface models. Geochemistry, Geophysics, Geosystems, 2010, 11, .	1.0	27
114	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.	4.2	27
115	Water Balance within Intensively Cultivated Alluvial Plain in an Arid Environment. Water Resources Management, 2007, 21, 1703-1715.	1.9	26
116	Assessing environmental improvement options from a water quality perspective for an urban-rural catchment. Environmental Modelling and Software, 2012, 32, 16-26.	1.9	26
117	Assessment of Chlorophyll-a Algorithms Considering Different Trophic Statuses and Optimal Bands. Sensors, 2017, 17, 1746.	2.1	26
118	Diurnal variation of precipitation by moving mesoscale systems: Radar observations in northern Thailand. Geophysical Research Letters, 2003, 30, .	1.5	25
119	Evaluation of two-dimensional atmospheric water circulation fields in reanalyses by using precipitation isotopes databases. Journal of Geophysical Research, 2004, 109, .	3.3	25
120	On the relationship between the Bowen ratio and the near-surface air temperature. Theoretical and Applied Climatology, 2012, 108, 135-145.	1.3	24
121	Visualizing the Interconnections Among Climate Risks. Earth's Future, 2019, 7, 85-100.	2.4	24
122	Application of the Simple Biosphere Model(SiB2) to a Paddy Field for a Period of Growing Season in GAME-Tropics.. Journal of the Meteorological Society of Japan, 2001, 79, 387-400.	0.7	23
123	Application of RUSLE Model on Global Soil Erosion Estimate. Proceedings of Hydraulic Engineering, 2001, 45, 811-816.	0.0	23
124	Discharge of large Asian rivers - Observations and projections. Quaternary International, 2009, 208, 4-10.	0.7	23
125	Future projection of mean river discharge climatology for the Chao Phraya River basin. Hydrological Research Letters, 2013, 7, 36-41.	0.3	23
126	Simulation of potential impacts of land use/cover changes on surface water fluxes in the Chaophraya river basin, Thailand. Journal of Geophysical Research, 2005, 110, .	3.3	22



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127	A DISTRIBUTED BIOSPHERE HYDROLOGICAL MODEL (DBHM) FOR LARGE RIVER BASIN. Proceedings of Hydraulic Engineering, 2006, 50, 37-42.	0.0	22
128	Using remotely sensed imagery to estimate potential annual pollutant loads in river basins. Water Science and Technology, 2009, 60, 2009-2015.	1.2	22
129	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.	5.1	22
130	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.	0.5	22
131	Evaluation of MERIS Chlorophyll-a Retrieval Processors in a Complex Turbid Lake Kasumigaura over a 10-Year Mission. Remote Sensing, 2017, 9, 1022.	1.8	22
132	Paradigm Shifts on Flood Risk Management in Japan: Detecting Triggers of Design Flood Revisions in the Modern Era. Water Resources Research, 2018, 54, 5504-5515.	1.7	22
133	Estimation of Predictability with a Newly Derived Index to Quantify Similarity among Ensemble Members. Monthly Weather Review, 2007, 135, 2674-2687.	0.5	21
134	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.	1.5	21
135	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.	1.2	21
136	Advanced Rain/No-Rain Classification Methods for Microwave Radiometer Observations over Land. Journal of Applied Meteorology and Climatology, 2008, 47, 3016-3029.	0.6	20
137	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.	1.8	20
138	Application of temperature, water stress, CO2 in rice growth models. Rice, 2012, 5, 10.	1.7	20
139	Characteristics of aerosol and cloud particle size distributions in the tropical tropopause layer measured with optical particle counter and lidar. Atmospheric Chemistry and Physics, 2007, 7, 3507-3518.	1.9	19
140	Estimation of total nitrogen transport and retention during flow in a catchment using a mass balance model incorporating the effects of land cover distribution and human activity information. Water Science and Technology, 2010, 62, 1837-1847.	1.2	19
141	The Offline Validation of Land Surface Models. Journal of the Meteorological Society of Japan, 1999, 77, 257-263.	0.7	18
142	Testing the hypothesis on the relationship between aerodynamic roughness length and albedo using vegetation structure parameters. International Journal of Biometeorology, 2012, 56, 411-418.	1.3	18
143	Multi-Algorithm Indices and Look-Up Table for Chlorophyll-a Retrieval in Highly Turbid Water Bodies Using Multispectral Data. Remote Sensing, 2017, 9, 556.	1.8	18
144	Principal condition for the earliest Asian summer monsoon onset. Geophysical Research Letters, 2002, 29, 36-1-36-4.	1.5	17

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145	The global water cycle. Geophysical Monograph Series, 2004, , 225-237.	0.1	17
146	Integrated biogeochemical modelling of nitrogen load from anthropogenic and natural sources in Japan. Ecological Modelling, 2009, 220, 2325-2334.	1.2	17
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.	1.1	17
148	Extreme precipitation intensity in future climates associated with the Clausius-Clapeyron-like relationship. Hydrological Research Letters, 2014, 8, 108-113.	0.3	17
149	Development of a Global River Water Temperature Model Considering Fluvial Dynamics and Seasonal Freeze-Thaw Cycle. Water Resources Research, 2019, 55, 1366-1383.	1.7	17
150	Application of Distributed Hydrological Model in the Asian Monsoon Tropic Region with a Perspective of Coupling with Atmospheric Models.. Journal of the Meteorological Society of Japan, 2001, 79, 373-385.	0.7	16
151	Groundwater recharge and discharge in a hyperarid alluvial plain (Akesu, Taklimakan Desert, China). Hydrological Processes, 2007, 21, 1345-1353.	1.1	16
152	Water and climate projections. Hydrological Sciences Journal, 2009, 54, 406-415.	1.2	16
153	Climatological characteristics of fronts in the western North Pacific based on surface weather charts. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9400-9418.	1.2	16
154	Decontamination Reduces Radiation Anxiety and Improves Subjective Well-Being after the Fukushima Accident. Tohoku Journal of Experimental Medicine, 2017, 241, 103-116.	0.5	16
155	AMSR instruments on GCOM-W1/2: Concepts and applications. , 2010, , .		15
156	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.	1.2	15
157	Assessing the effects of consecutive sediment-control dams using a numerical hydraulic experiment to model river-bed variation. Catena, 2013, 104, 174-185.	2.2	15
158	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.	1.2	15
159	Sensitivity of Global Hydrological Simulations to Groundwater Capillary Flux Parameterizations. Water Resources Research, 2019, 55, 402-425.	1.7	15
160	Validating Estimates of Land Surface Parameterizations by Annual Discharge using Total Runoff Integrating Pathways.. Suimon Mizu Shigen Gakkaishi, 1997, 10, 416-425.	0.1	14
161	Improving Understanding of the Global Hydrologic Cycle. , 2013, , 151-184.		14
162	Advancing Precipitation Estimation, Prediction, and Impact Studies. Bulletin of the American Meteorological Society, 2020, 101, E1584-E1592.	1.7	14

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163	An Evaluation of Over-Land Rain Rate Estimates by the GSMaP and GPROF Algorithms: The Role of Lower-Frequency Channels. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87A, 183-202.	0.7	14
164	Hydrograph estimations by flow routing modelling from AGCM output in major basins of the world. <i>Proceedings of Hydraulic Engineering</i> , 1995, 39, 97-102.	0.0	14
165	Ecological and hydrological responses to climate change in an urban-forested catchment, Nagara River basin, Japan. <i>Urban Climate</i> , 2012, 1, 40-54.	2.4	13
166	Assessment of potential suspended sediment yield in Japan in the 21st century with reference to the general circulation model climate change scenarios. <i>Global and Planetary Change</i> , 2013, 102, 1-9.	1.6	13
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