

Zhongbo Yu

List of Publications by Citations

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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.

159
papers

4,001
citations

39
h-index

53
g-index

168
ext. papers

4,870
ext. citations

4.1
avg, IF

5.73
L-index

#	Paper	IF	Citations
159	Vegetation Greening and Climate Change Promote Multidecadal Rises of Global Land Evapotranspiration. <i>Scientific Reports</i> , 2015 , 5, 15956	4.9	180
158	Geographically weighted regression based methods for merging satellite and gauge precipitation. <i>Journal of Hydrology</i> , 2018 , 558, 275-289	6	121
157	Changes in daily temperature and precipitation extremes in the Yellow River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 401-421	3.5	82
156	Division-based rainfall-runoff simulations with BP neural networks and Xinanjiang model. <i>Neurocomputing</i> , 2009 , 72, 2873-2883	5.4	81
155	Ground observation-based analysis of soil moisture spatiotemporal variability across a humid to semi-humid transitional zone in China. <i>Journal of Hydrology</i> , 2019 , 574, 903-914	6	74
154	Changes in reference evapotranspiration across the Tibetan Plateau: Observations and future projections based on statistical downscaling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 4049-4068	4.4	72
153	Assessing future climate changes and extreme indicators in east and south Asia using the RegCM4 regional climate model. <i>Climatic Change</i> , 2012 , 114, 301-317	4.5	70
152	Impacts of climate change under CMIP5 RCP scenarios on streamflow in the Huangnizhuang catchment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1781-1795	3.5	69
151	Responses of rice yield, irrigation water requirement and water use efficiency to climate change in China: Historical simulation and future projections. <i>Agricultural Water Management</i> , 2014 , 146, 249-261	5.9	68
150	Improving the flood prediction capability of the Xinanjiang model in ungauged nested catchments by coupling it with the geomorphologic instantaneous unit hydrograph. <i>Journal of Hydrology</i> , 2014 , 517, 1035-1048	6	68
149	Dual state-parameter estimation of root zone soil moisture by optimal parameter estimation and extended Kalman filter data assimilation. <i>Advances in Water Resources</i> , 2011 , 34, 395-406	4.7	67
148	Network analysis reveals seasonal variation of co-occurrence correlations between Cyanobacteria and other bacterioplankton. <i>Science of the Total Environment</i> , 2016 , 573, 817-825	10.2	67
147	On continental-scale hydrologic simulations with a coupled hydrologic model. <i>Journal of Hydrology</i> , 2006 , 331, 110-124	6	66
146	Trends in evapotranspiration and their responses to climate change and vegetation greening over the upper reaches of the Yellow River Basin. <i>Agricultural and Forest Meteorology</i> , 2018 , 263, 118-129	5.8	65
145	The analytical derivation of multiple elasticities of runoff to climate change and catchment characteristics alteration. <i>Journal of Hydrology</i> , 2016 , 541, 1042-1056	6	63
144	Climate change and water storage variability over an arid endorheic region. <i>Journal of Hydrology</i> , 2015 , 529, 330-339	6	62
143	Characterizing the changing behaviours of precipitation concentration in the Yangtze River Basin, China. <i>Hydrological Processes</i> , 2013 , 27, 3375-3393	3.3	61

142	Statistical downscaling of extreme daily precipitation, evaporation, and temperature and construction of future scenarios. <i>Hydrological Processes</i> , 2012 , 26, 3510-3523	3.3	60
141	Uncertainty Intercomparison of Different Hydrological Models in Simulating Extreme Flows. <i>Water Resources Management</i> , 2013 , 27, 1393-1409	3.7	55
140	Bayesian multi-model projection of irrigation requirement and water use efficiency in three typical rice plantation region of China based on CMIP5. <i>Agricultural and Forest Meteorology</i> , 2017 , 232, 89-105	5.8	55
139	Impact of climate change on flood and drought events in Huaihe River Basin, China 2012 , 43, 14-22		54
138	Hydrologic response of a high altitude glacierized basin in the central Tibetan Plateau. <i>Global and Planetary Change</i> , 2014 , 118, 69-84	4.2	52
137	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. <i>Journal of Hydrology</i> , 2012 , 468-469, 47-62	6	52
136	Impact of projected climate change on the hydrology in the headwaters of the Yellow River basin. <i>Hydrological Processes</i> , 2015 , 29, 4379-4397	3.3	51
135	Fully coupled atmospheric-hydrological modeling at regional and long-term scales: Development, application, and analysis of WRF-HMS. <i>Water Resources Research</i> , 2016 , 52, 3187-3211	5.4	49
134	A comprehensive assessment framework for quantifying climatic and anthropogenic contributions to streamflow changes: A case study in a typical semi-arid North China basin. <i>Environmental Modelling and Software</i> , 2020 , 128, 104704	5.2	48
133	How well do the GCMs/RCMs capture the multi-scale temporal variability of precipitation in the Southwestern United States?. <i>Journal of Hydrology</i> , 2013 , 479, 75-85	6	48
132	Changes of reference evapotranspiration in the Haihe River Basin: Present observations and future projection from climatic variables through multi-model ensemble. <i>Global and Planetary Change</i> , 2014 , 115, 1-15	4.2	48
131	A comprehensive analysis of blue water scarcity from the production, consumption, and water transfer perspectives. <i>Ecological Indicators</i> , 2017 , 72, 870-880	5.8	47
130	Improving event-based rainfall-runoff simulation using an ensemble artificial neural network based hybrid data-driven model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1345-1370	3.5	46
129	Changes of climate extremes in a typical arid zone: Observations and multimodel ensemble projections. <i>Journal of Geophysical Research</i> , 2011 , 116,		45
128	Effects of Climate Variations and Human Activities on Runoff in the Zoige Alpine Wetland in the Eastern Edge of the Tibetan Plateau. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 1026-1035	1.8	44
127	Comparison of measured and simulated water storage in dryland terraces of the Loess Plateau, China. <i>Agricultural Water Management</i> , 2009 , 96, 299-306	5.9	44
126	Pyrosequencing analysis of bacterial community and assembly in activated sludge samples from different geographic regions in China. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 9119-28	5.7	42
125	Impact of initial soil moisture anomalies on climate mean and extremes over Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 529-545	4.4	42

124	Impact of climate change on hydrological extremes in the Yangtze River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 693-707	3.5	41
123	Satellite retrieval of actual evapotranspiration in the Tibetan Plateau: Components partitioning, multidecadal trends and dominated factors identifying. <i>Journal of Hydrology</i> , 2018 , 559, 471-485	6	41
122	Characterization of spatio-temporal patterns for various GRACE- and GLDAS-born estimates for changes of global terrestrial water storage. <i>Global and Planetary Change</i> , 2013 , 109, 30-37	4.2	41
121	Using the SPEI to Assess Recent Climate Change in the Yarlung Zangbo River Basin, South Tibet. <i>Water (Switzerland)</i> , 2015 , 7, 5474-5486	3	41
120	Statistical downscaling of extremes of precipitation and temperature and construction of their future scenarios in an elevated and cold zone. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 405-418	3.5	39
119	Analysis and Simulation of Human Activity Impact on Streamflow in the Huaihe River Basin with a Large-Scale Hydrologic Model. <i>Journal of Hydrometeorology</i> , 2010 , 11, 810-821	3.7	35
118	Automated calibration applied to watershed-scale flow simulations. <i>Hydrological Processes</i> , 1999 , 13, 191-209	3.3	35
117	Effect of wave-current interactions on sediment resuspension in large shallow Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 4029-4039	5.1	32
116	Pacific and Atlantic Ocean influence on the spatiotemporal variability of heavy precipitation in the western United States. <i>Global and Planetary Change</i> , 2013 , 109, 38-45	4.2	32
115	Community composition and assembly processes of the free-living and particle-attached bacteria in Taihu Lake. <i>FEMS Microbiology Ecology</i> , 2017 , 93,	4.3	31
114	Estimating the Effects of Climatic Variability and Human Activities on Streamflow in the Hutuo River Basin, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 422-430	1.8	31
113	Patterns and assembly processes of planktonic and sedimentary bacterial community differ along a trophic gradient in freshwater lakes. <i>Ecological Indicators</i> , 2019 , 106, 105491	5.8	30
112	Effect of projected climate change on the hydrological regime of the Yangtze River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1-16	3.5	30
111	A multi-layer soil moisture data assimilation using support vector machines and ensemble particle filter. <i>Journal of Hydrology</i> , 2012 , 475, 53-64	6	30
110	APPLICATION OF AN INTEGRATED BASIN-SCALE HYDROLOGIC MODEL TO SIMULATE SURFACE-WATER AND GROUND-WATER INTERACTIONS ¹ . <i>Journal of the American Water Resources Association</i> , 1998 , 34, 409-425	2.1	30
109	Evaluating uncertainties in multi-layer soil moisture estimation with support vector machines and ensemble Kalman filtering. <i>Journal of Hydrology</i> , 2016 , 538, 243-255	6	30
108	Climate change driven water budget dynamics of a Tibetan inland lake. <i>Global and Planetary Change</i> , 2017 , 150, 70-80	4.2	29
107	The heterogeneity of composition and assembly processes of the microbial community between different nutrient loading lake zones in Taihu Lake. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5913-5923	5.7	29

106	Performance of SMAP, AMSR-E and LAI for weekly agricultural drought forecasting over continental United States. <i>Journal of Hydrology</i> , 2017 , 553, 88-104	6	29
105	Assessing CMIP5 general circulation model simulations of precipitation and temperature over China. <i>International Journal of Climatology</i> , 2015 , 35, 2431-2440	3.5	28
104	Evaluation of drought and wetness episodes in a cold region (Northeast China) since 1898 with different drought indices. <i>Natural Hazards</i> , 2014 , 71, 2063-2085	3	28
103	Diagnosing the Strength of Land-Atmosphere Coupling at Subseasonal to Seasonal Time Scales in Asia. <i>Journal of Hydrometeorology</i> , 2014 , 15, 320-339	3.7	28
102	Reference evapotranspiration trends from 1980 to 2012 and their attribution to meteorological drivers in the three-river source region, China. <i>International Journal of Climatology</i> , 2016 , 36, 3759-3769	3.5	27
101	Spatial and temporal variations in hydro-climatic variables and runoff in response to climate change in the Luanhe River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1117-1133	3.5	26
100	Temperature responses of ammonia-oxidizing prokaryotes in freshwater sediment microcosms. <i>PLoS ONE</i> , 2014 , 9, e100653	3.7	26
99	Hydrological projections of future climate change over the source region of Yellow River and Yangtze River in the Tibetan Plateau: A comprehensive assessment by coupling RegCM4 and VIC model. <i>Hydrological Processes</i> , 2018 , 32, 2096-2117	3.3	23
98	Uncertainty analysis of downscaling methods in assessing the influence of climate change on hydrology. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 991-1010	3.5	23
97	Climate change and probabilistic scenario of streamflow extremes in an alpine region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 8535-8551	4.4	23
96	Conditions for lateral downslope unsaturated flow and effects of slope angle on soil moisture movement. <i>Journal of Hydrology</i> , 2013 , 486, 321-333	6	23
95	Effect of Gravel-Sand Mulch on Soil Water and Temperature in the Semiarid Loess Region of Northwest China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 1484-1494	1.8	23
94	Sediment microbiomes associated with the rhizosphere of emergent macrophytes in a shallow, subtropical lake. <i>Limnology and Oceanography</i> , 2020 , 65, S38	4.8	23
93	Contrasting Patterns in Diversity and Community Assembly of <i>Phragmites australis</i> Root-Associated Bacterial Communities from Different Seasons. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	21
92	Contrasting Network Features between Free-Living and Particle-Attached Bacterial Communities in Taihu Lake. <i>Microbial Ecology</i> , 2018 , 76, 303-313	4.4	21
91	Changes of seasonal storm properties in California and Nevada from an ensemble of climate projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2676-2688	4.4	21
90	Influences of the south-to-north water diversion project and virtual water flows on regional water resources considering both water quantity and quality. <i>Journal of Cleaner Production</i> , 2020 , 244, 118920	10.3	21
89	On evaluating the spatial-temporal variation of soil moisture in the Susquehanna River Basin. <i>Water Resources Research</i> , 2001 , 37, 1313-1326	5.4	20

88	Simulating canopy conductance of the Haloxylon ammodendron shrubland in an arid inland river basin of northwest China. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 22-34	5.8	19
87	Disentangling the seasonal co-occurrence patterns and ecological stochasticity of planktonic and benthic bacterial communities within multiple lakes. <i>Science of the Total Environment</i> , 2020 , 740, 140010 ^{10.2}		18
86	Heterogeneity of interactions of microbial communities in regions of Taihu Lake with different nutrient loadings: A network analysis. <i>Scientific Reports</i> , 2018 , 8, 8890	4.9	18
85	Long-term effects of revegetation on soil hydrological processes in vegetation-stabilized desert ecosystems. <i>Hydrological Processes</i> , 2010 , 24, 87-95	3.3	18
84	Changes of storm properties in the United States: Observations and multimodel ensemble projections. <i>Global and Planetary Change</i> , 2016 , 142, 41-52	4.2	17
83	Assessment on the Effect of Climate Change on Streamflow in the Source Region of the Yangtze River, China. <i>Water (Switzerland)</i> , 2017 , 9, 70	3	17
82	Review of Advances in Hydrologic Science in China in the Last Decades: Impact Study of Climate Change and Human Activities. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 1380-1384	1.8	17
81	Evaluating the spatial distribution of water balance in a small watershed, Pennsylvania. <i>Hydrological Processes</i> , 2000 , 14, 941-956	3.3	17
80	The Spatiotemporal Characteristics of Extreme Precipitation Events in the Western United States. <i>Water Resources Management</i> , 2016 , 30, 4807-4821	3.7	17
79	Optimal parameters for the Green-Ampt infiltration model under rainfall conditions. <i>Journal of Hydrology and Hydromechanics</i> , 2015 , 63, 93-101	2.1	16
78	Spatial and Temporal Scale Effect in Simulating Hydrologic Processes in a Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 99-107	1.8	16
77	Assessment of radionuclide transport uncertainty in the unsaturated zone of Yucca Mountain. <i>Advances in Water Resources</i> , 2007 , 30, 118-134	4.7	16
76	Modeling rainfall infiltration on hillslopes using Flux-concentration relation and time compression approximation. <i>Journal of Hydrology</i> , 2018 , 557, 243-253	6	16
75	Projected Changes in Hydrological Extremes in the Yangtze River Basin with an Ensemble of Regional Climate Simulations. <i>Water (Switzerland)</i> , 2018 , 10, 1279	3	16
74	High-resolution ensemble projections and uncertainty assessment of regional climate change over China in CORDEX East Asia. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 3087-3103	5.5	16
73	Comparing three models to estimate transpiration of desert shrubs. <i>Journal of Hydrology</i> , 2017 , 550, 603-615	6	15
72	Climate-induced hydrological impact mitigated by a high-density reservoir network in the Poyang Lake Basin. <i>Journal of Hydrology</i> , 2019 , 579, 124148	6	15
71	Using a HFilter assimilation procedure to estimate root zone soil water content. <i>Hydrological Processes</i> , 2010 , 24, 3648-3660	3.3	15

70	Drought projection based on a hybrid drought index using Artificial Neural Networks. <i>Hydrological Processes</i> , 2015 , 29, 2635-2648	3.3	14
69	Hydrological impact of a reservoir network in the upper Gan River Basin, China. <i>Hydrological Processes</i> , 2019 , 33, 1709-1723	3.3	13
68	Sensitivity studies and comprehensive evaluation of RegCM4.6.1 high-resolution climate simulations over the Tibetan Plateau. <i>Climate Dynamics</i> , 2020 , 54, 3781-3801	4.2	13
67	One-dimensional soil temperature simulation with Common Land Model by assimilating in situ observations and MODIS LST with the ensemble particle filter. <i>Water Resources Research</i> , 2014 , 50, 6950-6965	5.4	13
66	A coupled modeling approach to predict water quality in Lake Taihu, China: linkage to climate change projections. <i>Journal of Freshwater Ecology</i> , 2015 , 30, 59-73	1.4	12
65	Simulations on soil water variation in arid regions. <i>Journal of Hydrology</i> , 2003 , 275, 162-181	6	12
64	Diversity and composition of bacterial community in the rhizosphere sediments of submerged macrophytes revealed by 454 pyrosequencing. <i>Annals of Microbiology</i> , 2017 , 67, 313-319	3.2	11
63	Water resources management in a reservoir-regulated basin: Implications of reservoir network layout on streamflow and hydrologic alteration. <i>Journal of Hydrology</i> , 2020 , 586, 124903	6	11
62	Response of Hydrologic Processes to Future Climate Changes in the Yangtze River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 211-222	1.8	11
61	Multi-scale assimilation of root zone soil water predictions. <i>Hydrological Processes</i> , 2011 , 25, 3158-3172	3.3	11
60	Retrospective simulation of a storm event: A first step in coupled climate/hydrologic modeling. <i>Geophysical Research Letters</i> , 2000 , 27, 2561-2564	4.9	11
59	Modeling the river-basin response to single-storm events simulated by a mesoscale meteorological model at various resolutions. <i>Journal of Geophysical Research</i> , 1999 , 104, 19675-19689		11
58	Assessing the impact of climate change on flood in an alpine catchment using multiple hydrological models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 2143-2158	3.5	10
57	Abundance and community composition of ammonia oxidizers in rhizosphere sediment of two submerged macrophytes. <i>Journal of Freshwater Ecology</i> , 2016 , 31, 407-419	1.4	10
56	Analysis of Blue and Green Water Consumption at the Irrigation District Scale. <i>Sustainability</i> , 2018 , 10, 305	3.6	10
55	Multimodel ensemble projections of future climate extreme changes in the Haihe River Basin, China. <i>Theoretical and Applied Climatology</i> , 2014 , 118, 405-417	3	10
54	Hydrologic Simulations with Artificial Neural Networks 2007 ,		10
53	A system dynamics simulation approach for environmentally friendly operation of a reservoir system. <i>Journal of Hydrology</i> , 2020 , 587, 124971	6	10

52	Prospective scenarios of the saltwater intrusion in an estuary under climate change context using Bayesian neural networks. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 981-991	3.5	9
51	Heat Wave Variations Across China Tied to Global SST Modes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031612	4.4	9
50	Effects of Vegetation Cover on Hydrological Processes in a Large Region: Huaihe River Basin, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 1477-1483	1.8	9
49	An open-channel flume study of flow characteristics through a combined layer of submerged and emerged flexible vegetation. <i>Ecohydrology</i> , 2014 , 7, 633-647	2.5	9
48	Climate Change Hotspots Identification in China through the CMIP5 Global Climate Model Ensemble. <i>Advances in Meteorology</i> , 2014 , 2014, 1-10	1.7	9
47	Investigating soil moisture sensitivity to precipitation and evapotranspiration errors using SiB2 model and ensemble Kalman filter. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 681-693	3.5	9
46	Elevation-dependent response of vegetation dynamics to climate change in a cold mountainous region. <i>Environmental Research Letters</i> , 2020 , 15, 094005	6.2	9
45	Performance of the WRF model in simulating intense precipitation events over the Hanjiang River Basin, China [A multi-physics ensemble approach. <i>Atmospheric Research</i> , 2021 , 248, 105206	5.4	9
44	Impact of intermittent turbulent bursts on sediment resuspension and internal nutrient release in Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16519-16528	5.1	8
43	Evaluating Ensemble Kalman, Particle, and Ensemble Particle Filters through Soil Temperature Prediction. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 04014027	1.8	8
42	Evaluating Coupled Water, Vapor, and Heat Flows and Their Influence on Moisture Dynamics in Arid Regions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012 , 17, 565-577	1.8	8
41	Application of vector and parallel supercomputers to ground-water flow modeling. <i>Computers and Geosciences</i> , 1997 , 23, 917-927	4.5	8
40	Evaluation of soil moisture-precipitation feedback at different time scales over Asia. <i>International Journal of Climatology</i> , 2017 , 37, 3619-3629	3.5	7
39	The Impact of Assumed Error Variances on Surface Soil Moisture and Snow Depth Hydrologic Data Assimilation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 5116-5129	4.7	7
38	Bargaining Model of Synergistic Revenue Allocation for the Joint Operations of a Multi-Stakeholder Cascade Reservoir System. <i>Water Resources Management</i> , 2018 , 32, 4625-4642	3.7	7
37	Diagnosing the strength of soil temperature in the land atmosphere interactions over Asia based on RegCM4 model. <i>Global and Planetary Change</i> , 2015 , 130, 7-21	4.2	6
36	The Mass and Energy Exchange of a Tibetan Glacier: Distributed Modeling and Climate Sensitivity. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 1088-1100	2.1	6
35	Evaluation of TOPMODEL-Based Land Surface-Atmosphere Transfer Scheme (TOPLATS) through a Soil Moisture Simulation. <i>Earth Interactions</i> , 2018 , 22, 1-19	1.5	6

34	Evaluating Soil Moisture Predictions Based on Ensemble Kalman Filter and SiB2 Model. <i>Journal of Meteorological Research</i> , 2019 , 33, 190-205	2.3	5
33	Drought in the Western United States: Its Connections with Large-Scale Oceanic Oscillations. <i>Atmosphere</i> , 2019 , 10, 82	2.7	5
32	Co-association of Two nir Denitrifiers Under the Influence of Emergent Macrophytes. <i>Microbial Ecology</i> , 2020 , 80, 809-821	4.4	5
31	Evaluation of hydroclimatic variables for maize yield estimation using crop model and remotely sensed data assimilation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1283-1295	3.5	5
30	The Multi-Scale Temporal Variability of Extreme Precipitation in the Source Region of the Yellow River. <i>Water (Switzerland)</i> , 2019 , 11, 92	3	5
29	Composition and assembly of bacterial communities in surface and deeper sediments from aquaculture-influenced sites in Eastern Lake Taihu, China. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	5
28	Support vector machine and data assimilation framework for Groundwater Level Forecasting using GRACE satellite data. <i>Journal of Hydrology</i> , 2021 , 603, 126929	6	5
27	On evaluating characteristics of the solute transport in the arid vadose zone. <i>Ground Water</i> , 2014 , 52, 50-62	2.4	4
26	STORMFLOW SIMULATION USING A GEOGRAPHICAL INFORMATION SYSTEM WITH A DISTRIBUTED APPROACH1. <i>Journal of the American Water Resources Association</i> , 2001 , 37, 957-971	2.1	4
25	Habitats and seasons differentiate the assembly of bacterial communities along a trophic gradient of freshwater lakes. <i>Freshwater Biology</i> , 2021 , 66, 1515-1529	3.1	4
24	Distinct successional patterns and processes of free-living and particle-attached bacterial communities throughout a phytoplankton bloom. <i>Freshwater Biology</i> , 2020 , 65, 1363-1375	3.1	4
23	Role of reservoir regulation and groundwater feedback in a simulated ground-soil-vegetation continuum: A long-term regional scale analysis. <i>Hydrological Processes</i> , 2021 , 35, e14341	3.3	4
22	Emergent macrophytes modify the abundance and community composition of ammonia oxidizers in their rhizosphere sediments. <i>Journal of Basic Microbiology</i> , 2017 , 57, 625-632	2.7	3
21	Closure to Estimating the Effects of Climatic Variability and Human Activities on Streamflow in the Hutuo River Basin, China by Shizhang Peng, Wanxin Liu, Weiguang Wang, Quanxi Shao, Xiyun Jiao, Zhongbo Yu, Wanqiu Xing, Junzeng Xu, Zengxin Zhang, and Yufeng Luo. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 636-639	1.8	3
20	What are the main challenges facing the sustainable development of China's Yangtze economic belt in the future? An integrated view. <i>Environmental Research Communications</i> ,	3.1	3
19	Composition and co-occurrence patterns of <i>Phragmites australis</i> rhizosphere bacterial community. <i>Aquatic Ecology</i> , 2021 , 55, 695-710	1.9	3
18	Evaluation of Environmental Impacts Due to Blue Water Consumption in China from Production and Consumption Perspectives. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	3
17	System Dynamics Simulation Model for Flood Management of the Three Gorges Reservoir. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 05020009	2.8	2

16	Streamflow Simulation with an Integrated Approach of Wavelet Analysis and Artificial Neural Networks 2008 ,		2
15	Unscented weighted ensemble Kalman filter for soil moisture assimilation. <i>Journal of Hydrology</i> , 2020 , 580, 124352	6	2
14	Effects of macrobenthic bioturbation on the abundance and community composition of ammonia-oxidizing prokaryotes under different temperatures. <i>Journal of Freshwater Ecology</i> , 2017 , 32, 405-414	1.4	1
13	Evaluating Depressional Process of Macropore Flow and Its Impact on Solute Transport. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 04014005	1.8	1
12	Altered drought propagation under the influence of reservoir regulation. <i>Journal of Hydrology</i> , 2021 , 603, 127049	6	1
11	Entropy-Based Research on Precipitation Variability in the Source Region of China's Yellow River. <i>Water (Switzerland)</i> , 2020 , 12, 2486	3	1
10	The pattern of sedimentary bacterial communities varies with latitude within a large eutrophic lake. <i>Limnologica</i> , 2021 , 87, 125860	2	1
9	Contrasting Patterns of the Resident and Active Rhizosphere Bacterial Communities of Phragmites Australis. <i>Microbial Ecology</i> , 2021 , 1	4.4	1
8	A Modified Soil Moisture Model for Two-Layer Soil. <i>Ground Water</i> , 2016 , 54, 569-78	2.4	1
7	Spatiotemporal characteristics of regional extreme precipitation in Yangtze River basin. <i>Journal of Hydrology</i> , 2021 , 603, 126910	6	1
6	Analysis of Regional Water and Energy Consumption Considering Economic Development. <i>Water (Switzerland)</i> , 2021 , 13, 3582	3	1
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