Lu Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

209 papers	18,457 citations	12330 69 h-index	14208 128 g-index
213 all docs	213 docs citations	213 times ranked	13469 citing authors

#	Article	IF	Citations
1	Response of mean annual evapotranspiration to vegetation changes at catchment scale. Water Resources Research, 2001, 37, 701-708.	4.2	1,944
2	A review of paired catchment studies for determining changes in water yield resulting from alterations in vegetation. Journal of Hydrology, 2005, 310, 28-61.	5.4	1,229
3	A rational function approach for estimating mean annual evapotranspiration. Water Resources Research, 2004, 40, .	4.2	655
4	Global impacts of conversions from natural to agricultural ecosystems on water resources: Quantity versus quality. Water Resources Research, 2007, 43, .	4.2	530
5	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4039-4044.	7.1	486
6	Effects of limited irrigation on yield and water use efficiency of winter wheat in the Loess Plateau of China. Agricultural Water Management, 2002, 55, 203-216.	5.6	361
7	Responses of streamflow to climate and land surface change in the headwaters of the Yellow River Basin. Water Resources Research, 2009, 45, .	4.2	348
8	Water balance modeling over variable time scales based on the Budyko framework â€“ Model development and testing. Journal of Hydrology, 2008, 360, 117-131.	5.4	346
9	Responses of streamflow to changes in climate and land use/cover in the Loess Plateau, China. Water Resources Research, 2008, 44, .	4.2	338
10	Assessing the impact of climate variability and human activities on streamflow from the Wuding River basin in China. Hydrological Processes, 2007, 21, 3485-3491.	2.6	328
11	Analysis of impacts of climate variability and human activity on streamflow for a river basin in arid region of northwest China. Journal of Hydrology, 2008, 352, 239-249.	5.4	323
12	Vegetation control on water and energy balance within the Budyko framework. Water Resources Research, 2013, 49, 969-976.	4.2	312
13	Downward approach to hydrological prediction. Hydrological Processes, 2003, 17, 2101-2111.	2.6	294
14	Developing a decision support tool for China's re-vegetation program: Simulating regional impacts of afforestation on average annual streamflow in the Loess Plateau. Forest Ecology and Management, 2007, 251, 65-81.	3.2	238
15	Estimating the sensitivity of mean annual runoff to climate change using selected hydrological models. Advances in Water Resources, 2006, 29, 1419-1429.	3.8	214
16	Local and global factors controlling waterâ€energy balances within the Budyko framework. Geophysical Research Letters, 2013, 40, 6123-6129.	4.0	214
17	Improving water use efficiency of irrigated crops in the North China Plain â€” measurements and modelling. Agricultural Water Management, 2001, 48, 151-167.	5.6	201
18	Ivermectin Induces Cytostatic Autophagy by Blocking the PAK1/Akt Axis in Breast Cancer. Cancer Research, 2016, 76, 4457-4469.	0.9	193

#	Article	IF	Citations
19	Comparison of three evapotranspiration models to Bowen ratio-energy balance method for a vineyard in an arid desert region of northwest China. Agricultural and Forest Meteorology, 2008, 148, 1629-1640.	4.8	192
20	Effects of rainfall seasonality and soil moisture capacity on mean annual water balance for Australian catchments. Water Resources Research, 2005, 41, .	4.2	189
21	Recent increases in terrestrial carbon uptake at little cost to the water cycle. Nature Communications, 2017, 8, 110.	12.8	186
22	Analysis of the impact of conservation measures on stream flow regime in catchments of the Loess Plateau, China. Hydrological Processes, 2007, 21, 2124-2134.	2.6	166
23	Comparison of interpolation methods for depth to groundwater and its temporal and spatial variations in the Minqin oasis of northwest China. Environmental Modelling and Software, 2009, 24, 1163-1170.	4.5	162
24	Modelling hydrological response to different landâ€use and climate change scenarios in the Zamu River basin of northwest China. Hydrological Processes, 2008, 22, 2502-2510.	2.6	160
25	The influence of multiyear drought on the annual rainfallâ€runoff relationship: An <scp>A</scp>ustralian perspective. Water Resources Research, 2015, 51, 2444-2463.	4.2	158
26	Potential climate change effects on groundwater recharge in the High Plains Aquifer, USA. Water Resources Research, 2013, 49, 3936-3951.	4.2	156
27	Hydrological responses to conservation practices in a catchment of the Loess Plateau, China. Hydrological Processes, 2004, 18, 1885-1898.	2.6	155
28	Climate warming and growth of high-elevation inland lakes on the Tibetan Plateau. Global and Planetary Change, 2009, 67, 209-217.	3.5	144
29	Evapotranspiration and crop coefficient of spring maize with plastic mulch using eddy covariance in northwest China. Agricultural Water Management, 2008, 95, 1214-1222.	5.6	141
30	Simulating runoff under changing climatic conditions: Revisiting an apparent deficiency of conceptual rainfallâ€runoff models. Water Resources Research, 2016, 52, 1820-1846.	4.2	136
31	Towards a framework for predicting impacts of land-use on recharge: 1. A review of recharge studies in Australia. Soil Research, 2002, 40, 397.	1.1	132
32	Water use efficiency and sustainability of different long-term crop rotation systems in the Loess Plateau of China. Soil and Tillage Research, 2003, 72, 95-104.	5.6	130
33	Runoff and sediment loss responses to rainfall and land use in two agricultural catchments on the Loess Plateau of China. Hydrological Processes, 2001, 15, 977-988.	2.6	123
34	Impacts of soil conservation on groundwater recharge in the semi-arid Loess Plateau, China. Hydrogeology Journal, 2011, 19, 865-875.	2.1	123
35	How does bias correction of regional climate model precipitation affect modelled runoff?. Hydrology and Earth System Sciences, 2015, 19, 711-728.	4.9	123
36	Estimating catchment evaporation and runoff using MODIS leaf area index and the Penmanâ€Monteith equation. Water Resources Research, 2008, 44, .	4.2	119

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37	Impact of forest cover changes on annual streamflow and flow duration curves. Journal of Hydrology, 2013, 483, 39-50.	5.4	118
38	Runoff responses to afforestation in a watershed of the Loess Plateau, China. Hydrological Processes, 2003, 17, 2599-2609.	2.6	116
39	Water-saving agriculture in China: An overview. Advances in Agronomy, 2002, 75, 135-171.	5.2	115
40	Lags in hydrologic recovery following an extreme drought: Assessing the roles of climate and catchment characteristics. Water Resources Research, 2017, 53, 4821-4837.	4.2	112
41	The response of flow duration curves to afforestation. Journal of Hydrology, 2005, 310, 253-265.	5.4	110
42	Changes in stream flow regime in headwater catchments of the Yellow River basin since the 1950s. Hydrological Processes, 2007, 21, 886-893.	2.6	110
43	Forest ecohydrological research in the 21st century: what are the critical needs?. Ecohydrology, 2011, 4, 146-158.	2.4	110
44	Redox signaling: Potential arbitrator of autophagy and apoptosis in therapeutic response. Free Radical Biology and Medicine, 2015, 89, 452-465.	2.9	110
45	Evaluation of methods for estimating the effects of vegetation change and climate variability on streamflow. Water Resources Research, 2010, 46, .	4.2	107
46	Interannual variability of catchment water balance in Australia. Journal of Hydrology, 2009, 369, 120-129.	5.4	105
47	Use of Remotely Sensed Actual Evapotranspiration to Improve Rainfallâ€“Runoff Modeling in Southeast Australia. Journal of Hydrometeorology, 2009, 10, 969-980.	1.9	104
48	A new regionalization approach and its application to predict flow duration curve in ungauged basins. Journal of Hydrology, 2010, 389, 137-145.	5.4	102
49	Introduction to special section on Impacts of Land Use Change on Water Resources. Water Resources Research, 2009, 45, .	4.2	101
50	Observed hydrologic non-stationarity in far south-eastern Australia: implications for modelling and prediction. Stochastic Environmental Research and Risk Assessment, 2014, 28, 3-15.	4.0	101
51	Historical stream salinity trends and catchment salt balances in the Murray - Darling Basin, Australia. Marine and Freshwater Research, 2001, 52, 53.	1.3	100
52	Fuzzy multi-objective linear programming applying to crop area planning. Agricultural Water Management, 2010, 98, 134-142.	5.6	100
53	An improved water use efficiency for hot pepper grown under controlled alternate drip irrigation on partial roots. Scientia Horticulturae, 2001, 89, 257-267.	3.6	97
54	Towards better water security in North China. Water Resources Management, 2006, 21, 233-247.	3.9	95

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55	Nonparametric method for estimating the effects of climatic and catchment characteristics on mean annual evapotranspiration. Water Resources Research, 2012, 48, .	4.2	92
56	Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma. Autophagy, 2020, 16, 106-122.	9.1	91
57	Soil moistureâ€“plant interactions: an ecohydrological review. Journal of Soils and Sediments, 2019, 19, 1-9.	3.0	90
58	Regionalization of hydrological modeling for predicting streamflow in ungauged catchments: A comprehensive review. Wiley Interdisciplinary Reviews: Water, 2021, 8, .	6.5	90
59	Decadal Trends in Evaporation from Global Energy and Water Balances. Journal of Hydrometeorology, 2012, 13, 379-391.	1.9	89
60	Sensitivity of Global Climate Model Simulations to Increased Stomatal Resistance and C02Increases*. Journal of Climate, 1995, 8, 1738-1756.	3.2	88
61	Evaluation of daily evapotranspiration estimates from instantaneous measurements. Agricultural and Forest Meteorology, 1995, 74, 139-154.	4.8	88
62	FGFR4 Promotes Stroma-Induced Epithelial-to-Mesenchymal Transition in Colorectal Cancer. Cancer Research, 2013, 73, 5926-5935.	0.9	88
63	Advances in hydrological modelling with the Budyko framework. Progress in Physical Geography, 2016, 40, 409-430.	3.2	88
64	Measuring and modeling maize evapotranspiration under plastic film-mulching condition. Journal of Hydrology, 2013, 503, 153-168.	5.4	86
65	Predicting shifts in rainfallâ€runoff partitioning during multiyear drought: Roles of dry period and catchment characteristics. Water Resources Research, 2016, 52, 9290-9305.	4.2	86
66	Impacts of climate variability on reference evapotranspiration over 58 years in the Haihe river basin of north China. Agricultural Water Management, 2011, 98, 1660-1670.	5.6	77
67	Monthly versus daily water balance models in simulating monthly runoff. Journal of Hydrology, 2011, 404, 166-175.	5.4	77
68	The transferability of hydrological models under nonstationary climatic conditions. Hydrology and Earth System Sciences, 2012, 16, 1239-1254.	4.9	77
69	Evaluation of six potential evapotranspiration models for estimating crop potential and actual evapotranspiration in arid regions. Journal of Hydrology, 2016, 543, 450-461.	5.4	77
70	Spatial variation of climatology monthly crop reference evapotranspiration and sensitivity coefficients in Shiyang river basin of northwest China. Agricultural Water Management, 2010, 97, 1506-1516.	5.6	72
71	Impacts of climate change and reservoir operation on streamflow and flood characteristics in the Lancang-Mekong River Basin. Journal of Hydrology, 2020, 590, 125472.	5.4	71
72	River sediment load and concentration responses to changes in hydrology and catchment management in the Loess Plateau region of China. Water Resources Research, 2008, 44, .	4.2	70

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73	Comparison of several surface resistance models for estimating crop evapotranspiration over the entire growing season in arid regions. Agricultural and Forest Meteorology, 2015, 208, 1-15.	4.8	69
74	Modelling the impact of afforestation on average annual streamflow in the Loess Plateau, China. Hydrological Processes, 2008, 22, 1996-2004.	2.6	68
75	Bias in streamflow projections due to climateâ€induced shifts in catchment response. Geophysical Research Letters, 2016, 43, 1574-1581.	4.0	68
76	Improved Rainfallâ€Runoff Calibration for Drying Climate: Choice of Objective Function. Water Resources Research, 2018, 54, 3392-3408.	4.2	68
77	Growth and ground water uptake responses of lucerne to changes in groundwater levels and salinity: lysimeter, isotope and modelling studies. Agricultural Water Management, 1999, 39, 265-282.	5.6	67
78	Estimating the impact of rainfall seasonality on mean annual water balance using a top-down approach. Journal of Hydrology, 2006, 331, 409-424.	5.4	67
79	Estimating impacts of changed land use on recharge: review of modelling and other approaches appropriate for management of dryland salinity. Hydrogeology Journal, 2002, 10, 68-90.	2.1	66
80	Modelling hydrologic processes using a biophysically based modelâ€”application of WAVES to FIFE and HAPEX-MOBILHY. Journal of Hydrology, 1996, 185, 147-169.	5.4	65
81	Estimating effects of plantation expansion and climate variability on streamflow for catchments in Australia. Water Resources Research, 2011, 47, .	4.2	64
82	Understanding the impacts of climate and landuse change on water yield. Current Opinion in Environmental Sustainability, 2018, 33, 167-174.	6.3	64
83	Groundwater storage trends in the Loess Plateau of China estimated from streamflow records. Journal of Hydrology, 2015, 530, 281-290.	5.4	62
84	Monitoring regional agricultural water use efficiency for Hebei Province on the North China Plain. Australian Journal of Agricultural Research, 2002, 53, 55.	1.5	61
85	A new drought index that considers the joint effects of climate and land surface change. Water Resources Research, 2017, 53, 3262-3278.	4.2	60
86	Benchmarking global land surface models against the observed mean annual runoff from 150 large basins. Journal of Hydrology, 2012, 470-471, 269-279.	5.4	59
87	Temporal and spatial variations of evapotranspiration for spring wheat in the Shiyang river basin in northwest China. Agricultural Water Management, 2007, 87, 241-250.	5.6	58
88	PRKAA/AMPK restricts HBV replication through promotion of autophagic degradation. Autophagy, 2016, 12, 1507-1520.	9.1	58
89	Simulating Runoff Under Changing Climatic Conditions: A Framework for Model Improvement. Water Resources Research, 2018, 54, 9812-9832.	4.2	58
90	Estimation of land surface evaporation using a generalized nonlinear complementary relationship. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1475-1487.	3.3	56

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91	Estimation of evapotranspiration and its components from an apple orchard in northwest China using sap flow and water balance methods. Hydrological Processes, 2007, 21, 931-938.	2.6	55
92	Longâ€term streamflow trends in the middle reaches of the Yellow River Basin: detecting drivers of change. Hydrological Processes, 2016, 30, 1315-1329.	2.6	53
93	Nonlinear advectionâ€aridity method for landscape evaporation and its application during the growing season in the southern <scp>L</scp>oess <scp>P</scp>lateau of the <scp>Y</scp>ellow <scp>R</scp>iver basin. Water Resources Research, 2017, 53, 270-282.	4.2	53
94	A new method to partition climate and catchment effect on the mean annual runoff based on the <scp>B</scp>udyko complementary relationship. Water Resources Research, 2016, 52, 7163-7177.	4.2	52
95	Effects of water and salinity on plant species composition and community succession in Ejina Desert Oasis, northwest China. Environmental Earth Sciences, 2016, 75, 1.	2.7	52
96	The Global-DEP conceptual framework â€" research on dryland ecosystems to promote sustainability. Current Opinion in Environmental Sustainability, 2021, 48, 17-28.	6.3	52
97	Estimating subâ€canopy shortwave irradiance to melting snow on forested slopes. Hydrological Processes, 2007, 21, 2581-2593.	2.6	50
98	A warning from an ancient oasis: intensive human activities are leading to potential ecological and social catastrophe. International Journal of Sustainable Development and World Ecology, 2008, 15, 440-447.	5.9	50
99	Estimation of soil moisture and groundwater recharge using the TOPOG_IRM Model. Water Resources Research, 1999, 35, 149-161.	4.2	49
100	Spatial Distribution of Global Landscape Evaporation in the Early Twenty-First Century by Means of a Generalized Complementary Approach. Journal of Hydrometeorology, 2020, 21, 287-298.	1.9	49
101	Streamflow response to climate variability and human activities in the upper catchment of the Yellow River Basin. Science in China Series D: Earth Sciences, 2009, 52, 3249-3256.	0.9	48
102	A two-dimensional model of root water uptake for single apple trees and its verification with sap flow and soil water content measurements. Agricultural Water Management, 2006, 83, 119-129.	5.6	47
103	Predicting the impact of plantation forestry on water users at local and regional scales. Forest Ecology and Management, 2007, 251, 82-93.	3.2	47
104	Can reservoir regulation mitigate future climate change induced hydrological extremes in the Lancang-Mekong River Basin?. Science of the Total Environment, 2021, 785, 147322.	8.0	47
105	Evaluation of three evapotranspiration models in terms of their applicability for an arid region. Journal of Hydrology, 1990, 114, 395-411.	5.4	46
106	Ecosystem water use efficiency for a sparse vineyard in arid northwest China. Agricultural Water Management, 2015, 148, 24-33.	5.6	42
107	A one-layer resistance model for estimating regional evapotranspiration using remote sensing data. Agricultural and Forest Meteorology, 1995, 77, 241-261.	4.8	41
108	Long-term annual groundwater storage trends in Australian catchments. Advances in Water Resources, 2014, 74, 156-165.	3.8	41

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109	Modelling upland and instream erosion, sediment and phosphorus transport in a large catchment. Hydrological Processes, 1999, 13, 745-752.	2.6	40
110	Automated Selection of Pure Base Flows from Regular Daily Streamflow Data: Objective Algorithm. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	40
111	Evaluation of a distributed parameter ecohydrological model (TOPOG_IRM) on a small cropping rotation catchment. Journal of Hydrology, 1997, 191, 64-86.	5.4	39
112	Simulation of winter wheat yield and water use efficiency in the Loess Plateau of China using WAVES. Agricultural Systems, 2003, 78, 355-367.	6.1	39
113	Changes in streamflow regime following vegetation changes from paired catchments. Hydrological Processes, 2012, 26, 1561-1573.	2.6	39
114	Vineyard evaporative fraction based on eddy covariance in an arid desert region of Northwest China. Agricultural Water Management, 2008, 95, 937-948.	5.6	38
115	Future Changes in Floods and Water Availability across China: Linkage with Changing Climate and Uncertainties. Journal of Hydrometeorology, 2016, 17, 1295-1314.	1.9	38
116	Comparison of APRI and Hydrus-2D models to simulate soil water dynamics in a vineyard under alternate partial root zone drip irrigation. Plant and Soil, 2007, 291, 211-223.	3.7	37
117	New perspective about application of extended Budyko formula in arid irrigation district with shallow groundwater. Journal of Hydrology, 2020, 582, 124496.	5.4	37
118	Quantifying the impacts of vegetation changes on catchment storageâ€discharge dynamics using pairedâ€catchment data. Water Resources Research, 2017, 53, 5963-5979.	4.2	36
119	MCT1 relieves osimertinib-induced CRC suppression by promoting autophagy through the LKB1/AMPK signaling. Cell Death and Disease, 2019, 10, 615.	6.3	36
120	A new method for modelling flow duration curves and predicting streamflow regimes under altered land-use conditions / Une nouvelle mÃ©thode de modÃ©lisation des courbes de dÃ©bits classÃ©s et de prÃ©vision des rÃ©gimes d'Ã©coulement sous conditions modifiÃ©es d'occupation du sol. Hydrological Sciences Journal, 2009, 54, 606-622.	2.6	35
121	Estimating episodic recharge under different crop/pasture rotations in the Mallee region. Part 2. Recharge control by agronomic practices. Agricultural Water Management, 1999, 42, 237-249.	5.6	33
122	Saltwater intrusion into groundwater systems in the Mekong Delta and links to global change. Advances in Climate Change Research, 2021, 12, 342-352.	5.1	32
123	Estimation of seasonal crop water consumption in a vineyard using Bowen ratio-energy balance method. Hydrological Processes, 2007, 21, 3635-3641.	2.6	31
124	Driving forces and their effects on water conservation services in forest ecosystems in China. Chinese Geographical Science, 2017, 27, 216-228.	3.0	31
125	Attribution of Evapotranspiration Changes in Humid Regions of China from 1982 to 2016. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032404.	3.3	31
126	Modelling vegetation water-use and groundwater recharge as affected by climate variability in an arid-zone Acacia savanna woodland. Journal of Hydrology, 2014, 519, 1084-1096.	5.4	30

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127	Impacts of elevated CO 2 , climate change and their interactions on water budgets in four different catchments in Australia. Journal of Hydrology, 2014, 519, 1350-1361.	5.4	30
128	An improved complementary relationship for estimating evapotranspiration attributed to climate change and revegetation in the Loess Plateau, China. Journal of Hydrology, 2021, 592, 125516.	5.4	30
129	Climate change impact on water and salt balances: an assessment of the impact of climate change on catchment salt and water balances in the Murray-Darling Basin, Australia. Climatic Change, 2010, 100, 607-631.	3.6	29
130	Quantifying the impacts of land-cover changes on global evapotranspiration based on the continuous remote sensing observations during 1982â€“2016. Journal of Hydrology, 2021, 598, 126231.	5.4	29
131	An extension of three-parameter Burr III distribution for low-flow frequency analysis. Computational Statistics and Data Analysis, 2008, 52, 1304-1314.	1.2	28
132	An evapotranspiration model for sparsely vegetated canopies under partial root-zone irrigation. Agricultural and Forest Meteorology, 2009, 149, 2007-2011.	4.8	28
133	Predicting effects of plantation expansion on streamflow regime for catchments in Australia. Hydrology and Earth System Sciences, 2012, 16, 2109-2121.	4.9	28
134	Water-use efficiency of an old-growth forest in lower subtropical China. Scientific Reports, 2017, 7, 42761.	3.3	28
135	Variability in energy partitioning and resistance parameters for a vineyard in northwest China. Agricultural Water Management, 2009, 96, 955-962.	5.6	27
136	Effects of shallow water table on capillary contribution, evapotranspiration, and crop coefficient of maize and winter wheat in a semi-arid region. Australian Journal of Agricultural Research, 2001, 52, 317.	1.5	25
137	Development of Hydro-Informatic Modelling System and its application. Science in China Series D: Earth Sciences, 2008, 51, 456-466.	0.9	25
138	Saline Water Irrigation Scheduling Through a Crop-Water-Salinity Production Function and a Soil-Water-Salinity Dynamic Model. Pedosphere, 2007, 17, 303-317.	4.0	24
139	A comparison of three methods for determining vineyard evapotranspiration in the arid desert regions of northwest China. Hydrological Processes, 2008, 22, 4554-4564.	2.6	24
140	Application of a Macroscale Hydrologic Model to Estimate Streamflow across Southeast Australia. Journal of Hydrometeorology, 2012, 13, 1233-1250.	1.9	23
141	The effect of spatial rainfall variability on water balance modelling for south-eastern Australian catchments. Journal of Hydrology, 2013, 493, 16-29.	5.4	23
142	Quantifying the combined effects of climatic, crop and soil factors on surface resistance in a maize field. Journal of Hydrology, 2013, 489, 124-134.	5.4	23
143	Estimating Crop Transpiration of Soybean under Different Irrigation Treatments Using Thermal Infrared Remote Sensing Imagery. Agronomy, 2019, 9, 8.	3.0	23
144	Challenge of vegetation greening on water resources sustainability: Insights from a modelingâ€based analysis in Northwest China. Hydrological Processes, 2017, 31, 1469-1478.	2.6	22

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145	Effects of revegetation on soil moisture under different precipitation gradients in the Loess Plateau, China. Hydrology Research, 2017, 48, 1378-1390.	2.7	22
146	Improved Understanding of How Catchment Properties Control Hydrological Partitioning Through Machine Learning. Water Resources Research, 2022, 58, .	4.2	22
147	Thiolâ€based redox proteomics in cancer research. Proteomics, 2015, 15, 287-299.	2.2	21
148	Evaluating Global Land Surface Models in CMIP5: Analysis of Ecosystem Water- and Light-Use Efficiencies and Rainfall Partitioning. Journal of Climate, 2018, 31, 2995-3008.	3.2	20
149	Downward approach to hydrological prediction. Hydrological Processes, 2003, 17, 2099-2099.	2.6	19
150	Estimating episodic recharge under different crop/pasture rotations in the Mallee region. Part 1. Experiments and model calibration. Agricultural Water Management, 1999, 42, 219-235.	5.6	17
151	Modelling Seasonal and Inter-annual Variations in Carbon and Water Fluxes in an Arid-Zone Acacia Savanna Woodland, 1981â€“2012. Ecosystems, 2016, 19, 625-644.	3.4	17
152	Predicting dryâ€season flows with a monthly rainfallâ€“runoff model: Performance for gauged and ungauged catchments. Hydrological Processes, 2017, 31, 3844-3858.	2.6	17
153	Impact of downscaled rainfall biases on projected runoff changes. Hydrology and Earth System Sciences, 2020, 24, 2981-2997.	4.9	17
154	Evaluation of baseflow modelling structure in monthly water balance models using 443 Australian catchments. Journal of Hydrology, 2020, 591, 125572.	5.4	16
155	Bias in dynamically downscaled rainfall characteristics for hydroclimatic projections. Hydrology and Earth System Sciences, 2020, 24, 2963-2979.	4.9	16
156	Coherent conductance in an alternating dot: exact results. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 227-234.	2.7	15
157	Contrasting runoff trends between dry and wet parts of eastern Tibetan Plateau. Scientific Reports, 2017, 7, 15458.	3.3	15
158	On the attribution of changing crop evapotranspiration in arid regions using four methods. Journal of Hydrology, 2018, 563, 576-585.	5.4	15
159	Modeling soil water-salt dynamics and crop response under severely saline condition using WAVES: Searching for a target irrigation volume for saline water irrigation. Agricultural Water Management, 2021, 256, 107100.	5.6	15
160	Analysis of low-flow characteristics for catchments in Dongjiang Basin, China. Hydrogeology Journal, 2009, 17, 631-640.	2.1	14
161	Response of longâ€term water availability to more extreme climate in the Pearl River Basin, China. International Journal of Climatology, 2017, 37, 3223-3237.	3.5	14
162	Blending the Evaporation Precipitation Ratio With the Complementary Principle Function for the Prediction of Evaporation. Water Resources Research, 2021, 57, e2021WR029729.	4.2	14

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163	Global Dryland Ecosystem Programme (Global-DEP): Australasian consultation report. Journal of Soils and Sediments, 2020, 20, 1807-1810.	3.0	13
164	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. Water Resources Research, 2021, 57, e2020WR029529.	4.2	13
165	Gauge based precipitation estimation and associated model and product uncertainties. Journal of Hydrology, 2012, 444-445, 100-112.	5.4	12
166	Quantifying the effects of elevated CO₂ on water budgets by combining FACE data with an ecohydrological model. Ecohydrology, 2014, 7, 1574-1588.	2.4	12
167	Responses of LAI to rainfall explain contrasting sensitivities to carbon uptake between forest and non-forest ecosystems in Australia. Scientific Reports, 2017, 7, 11720.	3.3	12
168	Change-signal impacts in downscaled data and its influence on hydroclimate projections. Journal of Hydrology, 2018, 564, 12-25.	5.4	12
169	Comparison of dynamic and static APRI-models to simulate soil water dynamics in a vineyard over the growing season under alternate partial root-zone drip irrigation. Agricultural Water Management, 2008, 95, 767-775.	5.6	11
170	Explanation of climate and human impacts on sediment discharge change in Darwinian hydrology: Derivation of a differential equation. Journal of Hydrology, 2018, 559, 827-834.	5.4	11
171	Management of vegetative land for more water yield under future climate conditions in the over-utilized water resources regions: A case study in the Xiongâ€™an New area. Journal of Hydrology, 2021, 600, 126563.	5.4	11
172	Statistical analysis of attributions of climatic characteristics to nonstationary rainfallâ€“streamflow relationship. Journal of Hydrology, 2021, 603, 127017.	5.4	11
173	Modelling of the OASIS Energy Flux Measurements Using Two Canopy Concepts. Boundary-Layer Meteorology, 2003, 107, 49-79.	2.3	10
174	Soil Moisture Dynamics and Effects on Runoff Generation at Small Hillslope Scale. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	10
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