

# Lu Zhang

## List of Publications by Year in descending order

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209  
papers

18,457  
citations

12303

69  
h-index

14156

128  
g-index

213  
all docs

213  
docs citations

213  
times ranked

13469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of glaciers on the annual catchment water balance within Budyko framework. <i>Advances in Climate Change Research</i> , 2022, 13, 51-62.	2.1	8
2	Application of Budyko framework to irrigation districts in China under various climatic conditions. <i>Hydrological Processes</i> , 2022, 36, .	1.1	3
3	Trends and variability of water balance components over a tropical savanna and Eucalyptus forest in Australia. <i>Journal of Water and Climate Change</i> , 2022, 13, 1073-1088.	1.2	1
4	Improved Understanding of How Catchment Properties Control Hydrological Partitioning Through Machine Learning. <i>Water Resources Research</i> , 2022, 58, .	1.7	22
5	Wildfire and hydrological processes. <i>Hydrological Processes</i> , 2022, 36, .	1.1	1
6	The Global-DEP conceptual framework – research on dryland ecosystems to promote sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 17-28.	3.1	52
7	Regionalization of hydrological modeling for predicting streamflow in ungauged catchments: A comprehensive review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, .	2.8	90
8	An improved complementary relationship for estimating evapotranspiration attributed to climate change and revegetation in the Loess Plateau, China. <i>Journal of Hydrology</i> , 2021, 592, 125516.	2.3	30
9	Conceptual Model Modification and the Millennium Drought of Southeastern Australia. <i>Water (Switzerland)</i> , 2021, 13, 669.	1.2	4
10	Saltwater intrusion into groundwater systems in the Mekong Delta and links to global change. <i>Advances in Climate Change Research</i> , 2021, 12, 342-352.	2.1	32
11	Blending the Evaporation Precipitation Ratio With the Complementary Principle Function for the Prediction of Evaporation. <i>Water Resources Research</i> , 2021, 57, e2021WR029729.	1.7	14
12	Detecting and attributing drought-induced changes in catchment hydrological behaviours in a southeastern Australia catchment using a data assimilation method. <i>Hydrological Processes</i> , 2021, 35, e14289.	1.1	3
13	Quantifying the impacts of land-cover changes on global evapotranspiration based on the continuous remote sensing observations during 1982–2016. <i>Journal of Hydrology</i> , 2021, 598, 126231.	2.3	29
14	Tracer-aided assessment of catchment groundwater dynamics and residence time. <i>Journal of Hydrology</i> , 2021, 598, 126230.	2.3	3
15	The Dependence of Ecosystem Water Use Partitioning on Vegetation Productivity at the Inter-Annual Time Scale. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033756.	1.2	1
16	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. <i>Water Resources Research</i> , 2021, 57, e2020WR029529.	1.7	13
17	Dynamic Transcriptomic and Metabolomic Analyses of <i>Madhuca pasquieri</i> (Dubard) H. J. Lam During the Post-germination Stages. <i>Frontiers in Plant Science</i> , 2021, 12, 731203.	1.7	2
18	Estimating ecosystem maximum light use efficiency based on the water use efficiency principle. <i>Environmental Research Letters</i> , 2021, 16, 104032.	2.2	10

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19	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. <i>Journal of Hydrology</i> , 2021, 600, 126563.	2.3	11
20	Towards more realistic runoff projections by removing limits on simulated soil moisture deficit. <i>Journal of Hydrology</i> , 2021, 600, 126505.	2.3	8
21	Can reservoir regulation mitigate future climate change induced hydrological extremes in the Lancang-Mekong River Basin?. <i>Science of the Total Environment</i> , 2021, 785, 147322.	3.9	47
22	Statistical analysis of attributions of climatic characteristics to nonstationary rainfallâ€™streamflow relationship. <i>Journal of Hydrology</i> , 2021, 603, 127017.	2.3	11
23	Modeling soil water-salt dynamics and crop response under severely saline condition using WAVES: Searching for a target irrigation volume for saline water irrigation. <i>Agricultural Water Management</i> , 2021, 256, 107100.	2.4	15
24	Estimating impacts of wildfire and climate variability on streamflow in Victoria, Australia. <i>Hydrological Processes</i> , 2021, 35, e14439.	1.1	7
25	Land surface models significantly underestimate the impact of land-use changes on global evapotranspiration. <i>Environmental Research Letters</i> , 2021, 16, 124047.	2.2	3
26	Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma. <i>Autophagy</i> , 2020, 16, 106-122.	4.3	91
27	Evaluation of changes in streamflow and the underlying causes: a perspective of an upstream catchment in Haihe River basin, China. <i>Journal of Water and Climate Change</i> , 2020, 11, 241-257.	1.2	6
28	Warming Effects on Topsoil Organic Carbon and C:N:P Stoichiometry in a Subtropical Forested Landscape. <i>Forests</i> , 2020, 11, 66.	0.9	5
29	A proportionality-based multi-scale catchment water balance model and its global verification. <i>Journal of Hydrology</i> , 2020, 582, 124446.	2.3	7
30	New perspective about application of extended Budyko formula in arid irrigation district with shallow groundwater. <i>Journal of Hydrology</i> , 2020, 582, 124496.	2.3	37
31	Spatial Distribution of Global Landscape Evaporation in the Early Twenty-First Century by Means of a Generalized Complementary Approach. <i>Journal of Hydrometeorology</i> , 2020, 21, 287-298.	0.7	49
32	Impacts of climate change and reservoir operation on streamflow and flood characteristics in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2020, 590, 125472.	2.3	71
33	Derivation of Interannual Climate Elasticity of Streamflow. <i>Water Resources Research</i> , 2020, 56, e2020WR027703.	1.7	6
34	Evaluation of baseflow modelling structure in monthly water balance models using 443 Australian catchments. <i>Journal of Hydrology</i> , 2020, 591, 125572.	2.3	16
35	A Climatic Perspective on the Impacts of Global Warming on Water Cycle of Cold Mountainous Catchments in the Tibetan Plateau: A Case Study in Yarlung Zangbo River Basin. <i>Water (Switzerland)</i> , 2020, 12, 2338.	1.2	9
36	Attribution of Evapotranspiration Changes in Humid Regions of China from 1982 to 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032404.	1.2	31

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37	Quantitative assessment of the influence of terrace and check dam construction on watershed topography. <i>Frontiers of Earth Science</i> , 2020, 14, 360-375.	0.9	4
38	Global Dryland Ecosystem Programme (Global-DEP): Australasian consultation report. <i>Journal of Soils and Sediments</i> , 2020, 20, 1807-1810.	1.5	13
39	Bias in dynamically downscaled rainfall characteristics for hydroclimatic projections. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2963-2979.	1.9	16
40	Impact of downscaled rainfall biases on projected runoff changes. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2981-2997.	1.9	17
41	Proposing a trend-based time-varying approach to assess climate- and human-induced impacts on streamflow. <i>Hydrological Sciences Journal</i> , 2020, 65, 2043-2056.	1.2	4
42	MCT1 relieves osimertinib-induced CRC suppression by promoting autophagy through the LKB1/AMPK signaling. <i>Cell Death and Disease</i> , 2019, 10, 615.	2.7	36
43	Estimating Crop Transpiration of Soybean under Different Irrigation Treatments Using Thermal Infrared Remote Sensing Imagery. <i>Agronomy</i> , 2019, 9, 8.	1.3	23
44	Uncertainty assessment of spatial-scale groundwater recharge estimated from unsaturated flow modelling. <i>Hydrogeology Journal</i> , 2019, 27, 379-393.	0.9	10
45	Soil moisture–plant interactions: an ecohydrological review. <i>Journal of Soils and Sediments</i> , 2019, 19, 1-9.	1.5	90
46	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4039-4044.	3.3	486
47	Improved Rainfall–Runoff Calibration for Drying Climate: Choice of Objective Function. <i>Water Resources Research</i> , 2018, 54, 3392-3408.	1.7	68
48	Evaluating Global Land Surface Models in CMIP5: Analysis of Ecosystem Water- and Light-Use Efficiencies and Rainfall Partitioning. <i>Journal of Climate</i> , 2018, 31, 2995-3008.	1.2	20
49	Explanation of climate and human impacts on sediment discharge change in Darwinian hydrology: Derivation of a differential equation. <i>Journal of Hydrology</i> , 2018, 559, 827-834.	2.3	11
50	Groundwater storage changes and estimation of stream lateral seepage to groundwater in desert riparian forest region. <i>Hydrology Research</i> , 2018, 49, 861-877.	1.1	8
51	Stochastic soil moisture dynamic modelling: a case study in the Loess Plateau, China. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 437-444.	0.3	1
52	Simulating Runoff Under Changing Climatic Conditions: A Framework for Model Improvement. <i>Water Resources Research</i> , 2018, 54, 9812-9832.	1.7	58
53	Change-signal impacts in downscaled data and its influence on hydroclimate projections. <i>Journal of Hydrology</i> , 2018, 564, 12-25.	2.3	12
54	On the attribution of changing crop evapotranspiration in arid regions using four methods. <i>Journal of Hydrology</i> , 2018, 563, 576-585.	2.3	15

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55	Understanding the impacts of climate and land use change on water yield. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 167-174.	3.1	64
56	Estimation of land surface evaporation using a generalized nonlinear complementary relationship. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1475-1487.	1.2	56
57	Water-use efficiency of an old-growth forest in lower subtropical China. <i>Scientific Reports</i> , 2017, 7, 42761.	1.6	28
58	Challenge of vegetation greening on water resources sustainability: Insights from a modeling-based analysis in Northwest China. <i>Hydrological Processes</i> , 2017, 31, 1469-1478.	1.1	22
59	Predicting afforestation impacts on monthly streamflow using the DWBM model. <i>Ecohydrology</i> , 2017, 10, e1821.	1.1	8
60	Effects of revegetation on soil moisture under different precipitation gradients in the Loess Plateau, China. <i>Hydrology Research</i> , 2017, 48, 1378-1390.	1.1	22
61	A new drought index that considers the joint effects of climate and land surface change. <i>Water Resources Research</i> , 2017, 53, 3262-3278.	1.7	60
62	Driving forces and their effects on water conservation services in forest ecosystems in China. <i>Chinese Geographical Science</i> , 2017, 27, 216-228.	1.2	31
63	Lags in hydrologic recovery following an extreme drought: Assessing the roles of climate and catchment characteristics. <i>Water Resources Research</i> , 2017, 53, 4821-4837.	1.7	112
64	Nonlinear advection-irrigation method for landscape evaporation and its application during the growing season in the southern Loess Plateau of the Yellow River basin. <i>Water Resources Research</i> , 2017, 53, 270-282.	1.7	53
65	Responses of LAI to rainfall explain contrasting sensitivities to carbon uptake between forest and non-forest ecosystems in Australia. <i>Scientific Reports</i> , 2017, 7, 11720.	1.6	12
66	Recent increases in terrestrial carbon uptake at little cost to the water cycle. <i>Nature Communications</i> , 2017, 8, 110.	5.8	186
67	Predicting dry-season flows with a monthly rainfall-runoff model: Performance for gauged and ungauged catchments. <i>Hydrological Processes</i> , 2017, 31, 3844-3858.	1.1	17
68	Contrasting runoff trends between dry and wet parts of eastern Tibetan Plateau. <i>Scientific Reports</i> , 2017, 7, 15458.	1.6	15
69	Response of long-term water availability to more extreme climate in the Pearl River Basin, China. <i>International Journal of Climatology</i> , 2017, 37, 3223-3237.	1.5	14
70	Quantifying the impacts of vegetation changes on catchment storage-discharge dynamics using paired-catchment data. <i>Water Resources Research</i> , 2017, 53, 5963-5979.	1.7	36
71	Non-stationarity of low flows and their relevance to river modelling during drought periods. <i>Marine and Freshwater Research</i> , 2017, 68, 2306.	0.7	6
72	Long-term streamflow trends in the middle reaches of the Yellow River Basin: detecting drivers of change. <i>Hydrological Processes</i> , 2016, 30, 1315-1329.	1.1	53

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73	A new method to partition climate and catchment effect on the mean annual runoff based on the Budyko complementary relationship. <i>Water Resources Research</i> , 2016, 52, 7163-7177.	1.7	52
74	Modelling Seasonal and Inter-annual Variations in Carbon and Water Fluxes in an Arid-Zone Acacia Savanna Woodland, 1981-2012. <i>Ecosystems</i> , 2016, 19, 625-644.	1.6	17
75	Evaluation of six potential evapotranspiration models for estimating crop potential and actual evapotranspiration in arid regions. <i>Journal of Hydrology</i> , 2016, 543, 450-461.	2.3	77
76	Predicting shifts in rainfall-runoff partitioning during multiyear drought: Roles of dry period and catchment characteristics. <i>Water Resources Research</i> , 2016, 52, 9290-9305.	1.7	86
77	Simulating runoff under changing climatic conditions: Revisiting an apparent deficiency of conceptual rainfall-runoff models. <i>Water Resources Research</i> , 2016, 52, 1820-1846.	1.7	136
78	Bias in streamflow projections due to climate-induced shifts in catchment response. <i>Geophysical Research Letters</i> , 2016, 43, 1574-1581.	1.5	68
79	Automated Selection of Pure Base Flows from Regular Daily Streamflow Data: Objective Algorithm. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	40
80	Ivermectin Induces Cytostatic Autophagy by Blocking the PAK1/Akt Axis in Breast Cancer. <i>Cancer Research</i> , 2016, 76, 4457-4469.	0.4	193
81	PRKAA/AMPK restricts HBV replication through promotion of autophagic degradation. <i>Autophagy</i> , 2016, 12, 1507-1520.	4.3	58
82	Effects of ecological engineering on water balance under two different vegetation scenarios in the Qilian Mountain, northwestern China. <i>Journal of Hydrology: Regional Studies</i> , 2016, 5, 324-335.	1.0	9
83	Advances in hydrological modelling with the Budyko framework. <i>Progress in Physical Geography</i> , 2016, 40, 409-430.	1.4	88
84	Effects of water and salinity on plant species composition and community succession in Ejina Desert Oasis, northwest China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	52
85	Future Changes in Floods and Water Availability across China: Linkage with Changing Climate and Uncertainties. <i>Journal of Hydrometeorology</i> , 2016, 17, 1295-1314.	0.7	38
86	The influence of multiyear drought on the annual rainfall-runoff relationship: An Australian perspective. <i>Water Resources Research</i> , 2015, 51, 2444-2463.	1.7	158
87	The spatial heterogeneity of riverbed saturated permeability coefficient in the lower reaches of the Heihe River Basin, Northwest China. <i>Hydrological Processes</i> , 2015, 29, 4891-4907.	1.1	8
88	How does bias correction of regional climate model precipitation affect modelled runoff?. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 711-728.	1.9	123
89	Groundwater storage trends in the Loess Plateau of China estimated from streamflow records. <i>Journal of Hydrology</i> , 2015, 530, 281-290.	2.3	62
90	Thiol-based redox proteomics in cancer research. <i>Proteomics</i> , 2015, 15, 287-299.	1.3	21

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91	Soil Moisture Dynamics and Effects on Runoff Generation at Small Hillslope Scale. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	10
92	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.	1.9	69
93	Redox signaling: Potential arbitrator of autophagy and apoptosis in therapeutic response. Free Radical Biology and Medicine, 2015, 89, 452-465.	1.3	110
94	Ecosystem water use efficiency for a sparse vineyard in arid northwest China. Agricultural Water Management, 2015, 148, 24-33.	2.4	42
95	Quantifying the effects of elevated CO <sub>2</sub> on water budgets by combining FACE data with an ecohydrological model. Ecohydrology, 2014, 7, 1574-1588.	1.1	12
96	Observed hydrologic non-stationarity in far south-eastern Australia: implications for modelling and prediction. Stochastic Environmental Research and Risk Assessment, 2014, 28, 3-15.	1.9	101
97	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.	2.3	30
98	Long-term annual groundwater storage trends in Australian catchments. Advances in Water Resources, 2014, 74, 156-165.	1.7	41
99	Impacts of elevated CO <sub>2</sub> , climate change and their interactions on water budgets in four different catchments in Australia. Journal of Hydrology, 2014, 519, 1350-1361.	2.3	30
100	Hillslope-scale probabilistic characterization of soil moisture dynamics and average water balance. Hydrological Processes, 2013, 27, 1464-1474.	1.1	3
101	Greater effect of canopy conductance in regulating the energy partition above the maize field in arid northwest China. Hydrological Processes, 2013, 27, 3452-3460.	1.1	7
102	Potential climate change effects on groundwater recharge in the High Plains Aquifer, USA. Water Resources Research, 2013, 49, 3936-3951.	1.7	156
103	Vegetation control on water and energy balance within the Budyko framework. Water Resources Research, 2013, 49, 969-976.	1.7	312
104	Measuring and modeling maize evapotranspiration under plastic film-mulching condition. Journal of Hydrology, 2013, 503, 153-168.	2.3	86
105	The effect of spatial rainfall variability on water balance modelling for south-eastern Australian catchments. Journal of Hydrology, 2013, 493, 16-29.	2.3	23
106	Quantifying the combined effects of climatic, crop and soil factors on surface resistance in a maize field. Journal of Hydrology, 2013, 489, 124-134.	2.3	23
107	Impact of forest cover changes on annual streamflow and flow duration curves. Journal of Hydrology, 2013, 483, 39-50.	2.3	118
108	FGFR4 Promotes Stroma-Induced Epithelial-to-Mesenchymal Transition in Colorectal Cancer. Cancer Research, 2013, 73, 5926-5935.	0.4	88

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109	Local and global factors controlling water–energy balances within the Budyko framework. <i>Geophysical Research Letters</i> , 2013, 40, 6123-6129.	1.5	214
110	Nonparametric method for estimating the effects of climatic and catchment characteristics on mean annual evapotranspiration. <i>Water Resources Research</i> , 2012, 48, .	1.7	92
111	Benchmarking global land surface models against the observed mean annual runoff from 150 large basins. <i>Journal of Hydrology</i> , 2012, 470-471, 269-279.	2.3	59
112	Decadal Trends in Evaporation from Global Energy and Water Balances. <i>Journal of Hydrometeorology</i> , 2012, 13, 379-391.	0.7	89
113	Application of a Macroscale Hydrologic Model to Estimate Streamflow across Southeast Australia. <i>Journal of Hydrometeorology</i> , 2012, 13, 1233-1250.	0.7	23
114	The transferability of hydrological models under nonstationary climatic conditions. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1239-1254.	1.9	77
115	Predicting effects of plantation expansion on streamflow regime for catchments in Australia. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2109-2121.	1.9	28
116	Gauge based precipitation estimation and associated model and product uncertainties. <i>Journal of Hydrology</i> , 2012, 444-445, 100-112.	2.3	12
117	Changes in streamflow regime following vegetation changes from paired catchments. <i>Hydrological Processes</i> , 2012, 26, 1561-1573.	1.1	39
118	Estimating effects of plantation expansion and climate variability on streamflow for catchments in Australia. <i>Water Resources Research</i> , 2011, 47, .	1.7	64
119	Probabilistic modelling of soil moisture dynamics of irrigated cropland in the North China Plain. <i>Hydrological Sciences Journal</i> , 2011, 56, 123-137.	1.2	8
120	Impacts of climate variability on reference evapotranspiration over 58 years in the Haihe river basin of north China. <i>Agricultural Water Management</i> , 2011, 98, 1660-1670.	2.4	77
121	Monthly versus daily water balance models in simulating monthly runoff. <i>Journal of Hydrology</i> , 2011, 404, 166-175.	2.3	77
122	Impacts of soil conservation on groundwater recharge in the semi-arid Loess Plateau, China. <i>Hydrogeology Journal</i> , 2011, 19, 865-875.	0.9	123
123	Forest ecohydrological research in the 21st century: what are the critical needs?. <i>Ecohydrology</i> , 2011, 4, 146-158.	1.1	110
124	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. <i>Climatic Change</i> , 2010, 100, 607-631.	1.7	29
125	A new regionalization approach and its application to predict flow duration curve in ungauged basins. <i>Journal of Hydrology</i> , 2010, 389, 137-145.	2.3	102
126	Evaluation of methods for estimating the effects of vegetation change and climate variability on streamflow. <i>Water Resources Research</i> , 2010, 46, .	1.7	107



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127	Spatial variation of climatology monthly crop reference evapotranspiration and sensitivity coefficients in Shiyang river basin of northwest China. <i>Agricultural Water Management</i> , 2010, 97, 1506-1516.	2.4	72
128	Fuzzy multi-objective linear programming applying to crop area planning. <i>Agricultural Water Management</i> , 2010, 98, 134-142.	2.4	100
129	Use of Remotely Sensed Actual Evapotranspiration to Improve Rainfall-Runoff Modeling in Southeast Australia. <i>Journal of Hydrometeorology</i> , 2009, 10, 969-980.	0.7	104
130	Interannual variability of catchment water balance in Australia. <i>Journal of Hydrology</i> , 2009, 369, 120-129.	2.3	105
131	Analysis of low-flow characteristics for catchments in Dongjiang Basin, China. <i>Hydrogeology Journal</i> , 2009, 17, 631-640.	0.9	14
132	Streamflow response to climate variability and human activities in the upper catchment of the Yellow River Basin. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 3249-3256.	0.9	48
133	Comparison of interpolation methods for depth to groundwater and its temporal and spatial variations in the Minqin oasis of northwest China. <i>Environmental Modelling and Software</i> , 2009, 24, 1163-1170.	1.9	162
134	Climate warming and growth of high-elevation inland lakes on the Tibetan Plateau. <i>Global and Planetary Change</i> , 2009, 67, 209-217.	1.6	144
135	An evapotranspiration model for sparsely vegetated canopies under partial root-zone irrigation. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 2007-2011.	1.9	28
136	Variability in energy partitioning and resistance parameters for a vineyard in northwest China. <i>Agricultural Water Management</i> , 2009, 96, 955-962.	2.4	27
137	Responses of streamflow to climate and land surface change in the headwaters of the Yellow River Basin. <i>Water Resources Research</i> , 2009, 45, .	1.7	348
138	Introduction to special section on Impacts of Land Use Change on Water Resources. <i>Water Resources Research</i> , 2009, 45, .	1.7	101
139	A new method for modelling flow duration curves and predicting streamflow regimes under altered land-use conditions / Une nouvelle méthode de modélisation des courbes de débit classés et de prévision des régimes d'écoulement sous conditions modifiées d'occupation du sol. <i>Hydrological Sciences Journal</i> , 2009, 54, 606-622.	1.2	35
140	Development of Hydro-Informatic Modelling System and its application. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 456-466.	0.9	25
141	Modelling the impact of afforestation on average annual streamflow in the Loess Plateau, China. <i>Hydrological Processes</i> , 2008, 22, 1996-2004.	1.1	68
142	Modelling hydrological response to different land-use and climate change scenarios in the Zamu River basin of northwest China. <i>Hydrological Processes</i> , 2008, 22, 2502-2510.	1.1	160
143	A comparison of three methods for determining vineyard evapotranspiration in the arid desert regions of northwest China. <i>Hydrological Processes</i> , 2008, 22, 4554-4564.	1.1	24
144	An extension of three-parameter Burr III distribution for low-flow frequency analysis. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 1304-1314.	0.7	28

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145	Water balance modeling over variable time scales based on the Budyko framework – Model development and testing. <i>Journal of Hydrology</i> , 2008, 360, 117-131.	2.3	346
146	Analysis of impacts of climate variability and human activity on streamflow for a river basin in arid region of northwest China. <i>Journal of Hydrology</i> , 2008, 352, 239-249.	2.3	323
147	Estimating catchment evaporation and runoff using MODIS leaf area index and the Penman-Monteith equation. <i>Water Resources Research</i> , 2008, 44, .	1.7	119
148	River sediment load and concentration responses to changes in hydrology and catchment management in the Loess Plateau region of China. <i>Water Resources Research</i> , 2008, 44, .	1.7	70
149	Responses of streamflow to changes in climate and land use/cover in the Loess Plateau, China. <i>Water Resources Research</i> , 2008, 44, .	1.7	338
150	Comparison of three evapotranspiration models to Bowen ratio-energy balance method for a vineyard in an arid desert region of northwest China. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1629-1640.	1.9	192
151	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. <i>Agricultural Water Management</i> , 2008, 95, 767-775.	2.4	11
152	Vineyard evaporative fraction based on eddy covariance in an arid desert region of Northwest China. <i>Agricultural Water Management</i> , 2008, 95, 937-948.	2.4	38
153	Evapotranspiration and crop coefficient of spring maize with plastic mulch using eddy covariance in northwest China. <i>Agricultural Water Management</i> , 2008, 95, 1214-1222.	2.4	141
154	A warning from an ancient oasis: intensive human activities are leading to potential ecological and social catastrophe. <i>International Journal of Sustainable Development and World Ecology</i> , 2008, 15, 440-447.	3.2	50
155	Ecological Agriculture in China: Principles and Applications. <i>Advances in Agronomy</i> , 2007, 94, 181-208.	2.4	9
156	Temporal and spatial variations of evapotranspiration for spring wheat in the Shiyang river basin in northwest China. <i>Agricultural Water Management</i> , 2007, 87, 241-250.	2.4	58
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