Lu Zhang

List of Publications by Year
in descending order

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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	Effect of glaciers on the annual catchment water balance within BudykoÂframework. Advances in Climate Change Research, 2022, 13, 51-62.	5.1	8
2	Application of Budyko framework to irrigation districts in China under various climatic conditions. Hydrological Processes, 2022, 36, .	2.6	3
3	Trends and variability of water balance components over a tropical savanna and Eucalyptus forest in Australia. Journal of Water and Climate Change, 2022, 13, 1073-1088.	2.9	1
4	Improved Understanding of How Catchment Properties Control Hydrological Partitioning Through Machine Learning. Water Resources Research, 2022, 58, .	4.2	22
5	Wildfire and hydrological processes. Hydrological Processes, 2022, 36, .	2.6	1
6	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
7	Regionalization of hydrological modeling for predicting streamflow in ungauged catchments: A comprehensive review. Wiley Interdisciplinary Reviews: Water, 2021, 8, .	6.5	90
8	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
9	Conceptual Model Modification and the Millennium Drought of Southeastern Australia. Water (Switzerland), 2021, 13, 669.	2.7	4
10	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
11	Blending the Evaporation Precipitation Ratio With the Complementary Principle Function for the Prediction of Evaporation. Water Resources Research, 2021, 57, e2021WR029729.	4.2	14
12	Detecting and attributing droughtâ€induced changes in catchment hydrological behaviours in a southeastern Australia catchment using a data assimilation method. Hydrological Processes, 2021, 35, e14289.	2.6	3
13	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
14	Tracer-aided assessment of catchment groundwater dynamics and residence time. Journal of Hydrology, 2021, 598, 126230.	5.4	3
15	The Dependence of Ecosystem Water Use Partitioning on Vegetation Productivity at the Interâ€Annual Time Scale. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033756.	3.3	1
16	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. Water Resources Research, 2021, 57, e2020WR029529.	4.2	13
17	Dynamic Transcriptomic and Metabolomic Analyses of Madhuca pasquieri (Dubard) H. J. Lam During the Post-germination Stages. Frontiers in Plant Science, 2021, 12, 731203.	3.6	2
18	Estimating ecosystem maximum light use efficiency based on the water use efficiency principle. Environmental Research Letters, 2021, 16, 104032.	5.2	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. Journal of Hydrology, 2021, 600, 126563.	5.4	11
20	Towards more realistic runoff projections by removing limits on simulated soil moisture deficit. Journal of Hydrology, 2021, 600, 126505.	5.4	8
21	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
22	Statistical analysis of attributions of climatic characteristics to nonstationary rainfallâ€streamflow relationship. Journal of Hydrology, 2021, 603, 127017.	5.4	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. Agricultural Water Management, 2021, 256, 107100.	5.6	15
24	Estimating impacts of wildfire and climate variability on streamflow in Victoria, Australia. Hydrological Processes, 2021, 35, e14439.	2.6	7
25	Land surface models significantly underestimate the impact of land-use changes on global evapotranspiration. Environmental Research Letters, 2021, 16, 124047.	5.2	3
26	Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma. Autophagy, 2020, 16, 106-122.	9.1	91
27	Evaluation of changes in streamflow and the underlying causes: a perspective of an upstream catchment in Haihe River basin, China. Journal of Water and Climate Change, 2020, 11, 241-257.	2.9	6
28	Warming Effects on Topsoil Organic Carbon and C:N:P Stoichiometry in a Subtropical Forested Landscape. Forests, 2020, 11, 66.	2.1	5
29	A proportionality-based multi-scale catchment water balance model and its global verification. Journal of Hydrology, 2020, 582, 124446.	5.4	7
30	New perspective about application of extended Budyko formula in arid irrigation district with shallow groundwater. Journal of Hydrology, 2020, 582, 124496.	5.4	37
31	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
32	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
33	Derivation of Interannual Climate Elasticity of Streamflow. Water Resources Research, 2020, 56, e2020WR027703.	4.2	6
34	Evaluation of baseflow modelling structure in monthly water balance models using 443 Australian catchments. Journal of Hydrology, 2020, 591, 125572.	5.4	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. Water (Switzerland), 2020, 12, 2338.	2.7	9
36	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

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37	Quantitative assessment of the influence of terrace and check dam construction on watershed topography. Frontiers of Earth Science, 2020, 14, 360-375.	2.1	4
38	Global Dryland Ecosystem Programme (Global-DEP): Australasian consultation report. Journal of Soils and Sediments, 2020, 20, 1807-1810.	3.0	13
39	Bias in dynamically downscaled rainfall characteristics for hydroclimatic projections. Hydrology and Earth System Sciences, 2020, 24, 2963-2979.	4.9	16
40	Impact of downscaled rainfall biases on projected runoff changes. Hydrology and Earth System Sciences, 2020, 24, 2981-2997.	4.9	17
41	Proposing a trend-based time-varying approach to assess climate- and human-induced impacts on streamflow. Hydrological Sciences Journal, 2020, 65, 2043-2056.	2.6	4
42	MCT1 relieves osimertinib-induced CRC suppression by promoting autophagy through the LKB1/AMPK signaling. Cell Death and Disease, 2019, 10, 615.	6.3	36
43	Estimating Crop Transpiration of Soybean under Different Irrigation Treatments Using Thermal Infrared Remote Sensing Imagery. Agronomy, 2019, 9, 8.	3.0	23
44	Uncertainty assessment of spatial-scale groundwater recharge estimated from unsaturated flow modelling. Hydrogeology Journal, 2019, 27, 379-393.	2.1	10
45	Soil moistureâ€“plant interactions: an ecohydrological review. Journal of Soils and Sediments, 2019, 19, 1-9.	3.0	90
46	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
47	Improved Rainfallâ€Runoff Calibration for Drying Climate: Choice of Objective Function. Water Resources Research, 2018, 54, 3392-3408.	4.2	68
48	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
49	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
50	Groundwater storage changes and estimation of stream lateral seepage to groundwater in desert riparian forest region. Hydrology Research, 2018, 49, 861-877.	2.7	8
51	Stochastic soil moisture dynamic modelling: a case study in the Loess Plateau, China. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 437-444.	0.3	1
52	Simulating Runoff Under Changing Climatic Conditions: A Framework for Model Improvement. Water Resources Research, 2018, 54, 9812-9832.	4.2	58
53	Change-signal impacts in downscaled data and its influence on hydroclimate projections. Journal of Hydrology, 2018, 564, 12-25.	5.4	12
54	On the attribution of changing crop evapotranspiration in arid regions using four methods. Journal of Hydrology, 2018, 563, 576-585.	5.4	15

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55	Understanding the impacts of climate and landuse change on water yield. Current Opinion in Environmental Sustainability, 2018, 33, 167-174.	6.3	64
56	Estimation of land surface evaporation using a generalized nonlinear complementary relationship. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1475-1487.	3.3	56
57	Water-use efficiency of an old-growth forest in lower subtropical China. Scientific Reports, 2017, 7, 42761.	3.3	28
58	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
59	Predicting afforestation impacts on monthly streamflow using the DWBM model. Ecohydrology, 2017, 10, e1821.	2.4	8
60	Effects of revegetation on soil moisture under different precipitation gradients in the Loess Plateau, China. Hydrology Research, 2017, 48, 1378-1390.	2.7	22
61	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
62	Driving forces and their effects on water conservation services in forest ecosystems in China. Chinese Geographical Science, 2017, 27, 216-228.	3.0	31
63	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
64	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
65	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
66	Recent increases in terrestrial carbon uptake at little cost to the water cycle. Nature Communications, 2017, 8, 110.	12.8	186
67	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
68	Contrasting runoff trends between dry and wet parts of eastern Tibetan Plateau. Scientific Reports, 2017, 7, 15458.	3.3	15
69	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
70	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
71	Non-stationarity of low flows and their relevance to river modelling during drought periods. Marine and Freshwater Research, 2017, 68, 2306.	1.3	6
72	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

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73	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
74	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
75	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
76	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
77	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
78	Bias in streamflow projections due to climateâ€“induced shifts in catchment response. Geophysical Research Letters, 2016, 43, 1574-1581.	4.0	68
79	Automated Selection of Pure Base Flows from Regular Daily Streamflow Data: Objective Algorithm. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	40
80	Ivermectin Induces Cytostatic Autophagy by Blocking the PAK1/Akt Axis in Breast Cancer. Cancer Research, 2016, 76, 4457-4469.	0.9	193
81	PRKAA/AMPK restricts HBV replication through promotion of autophagic degradation. Autophagy, 2016, 12, 1507-1520.	9.1	58
82	Effects of ecological engineering on water balance under two different vegetation scenarios in the Qilian Mountain, northwestern China. Journal of Hydrology: Regional Studies, 2016, 5, 324-335.	2.4	9
83	Advances in hydrological modelling with the Budyko framework. Progress in Physical Geography, 2016, 40, 409-430.	3.2	88
84	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
85	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
86	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
87	The spatial heterogeneity of riverbed saturated permeability coefficient in the lower reaches of the Heihe River Basin, Northwest China. Hydrological Processes, 2015, 29, 4891-4907.	2.6	8
88	How does bias correction of regional climate model precipitation affect modelled runoff?. Hydrology and Earth System Sciences, 2015, 19, 711-728.	4.9	123
89	Groundwater storage trends in the Loess Plateau of China estimated from streamflow records. Journal of Hydrology, 2015, 530, 281-290.	5.4	62
90	Thiolâ€based redox proteomics in cancer research. Proteomics, 2015, 15, 287-299.	2.2	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, .	1.9	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.	4.8	69
93	Redox signaling: Potential arbitrator of autophagy and apoptosis in therapeutic response. Free Radical Biology and Medicine, 2015, 89, 452-465.	2.9	110
94	Ecosystem water use efficiency for a sparse vineyard in arid northwest China. Agricultural Water Management, 2015, 148, 24-33.	5.6	42
95	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
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.	4.0	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.	5.4	30
98	Long-term annual groundwater storage trends in Australian catchments. Advances in Water Resources, 2014, 74, 156-165.	3.8	41
99	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
100	Hillslopeâ€scale probabilistic characterization of soil moisture dynamics and average water balance. Hydrological Processes, 2013, 27, 1464-1474.	2.6	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.	2.6	7
102	Potential climate change effects on groundwater recharge in the High Plains Aquifer, USA. Water Resources Research, 2013, 49, 3936-3951.	4.2	156
103	Vegetation control on water and energy balance within the Budyko framework. Water Resources Research, 2013, 49, 969-976.	4.2	312
104	Measuring and modeling maize evapotranspiration under plastic film-mulching condition. Journal of Hydrology, 2013, 503, 153-168.	5.4	86
105	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
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.	5.4	23
107	Impact of forest cover changes on annual streamflow and flow duration curves. Journal of Hydrology, 2013, 483, 39-50.	5.4	118
108	FGFR4 Promotes Stroma-Induced Epithelial-to-Mesenchymal Transition in Colorectal Cancer. Cancer Research, 2013, 73, 5926-5935.	0.9	88

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109	Local and global factors controlling waterâ€energy balances within the Budyko framework. Geophysical Research Letters, 2013, 40, 6123-6129.	4.0	214
110	Nonparametric method for estimating the effects of climatic and catchment characteristics on mean annual evapotranspiration. Water Resources Research, 2012, 48, .	4.2	92
111	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
112	Decadal Trends in Evaporation from Global Energy and Water Balances. Journal of Hydrometeorology, 2012, 13, 379-391.	1.9	89
113	Application of a Macroscale Hydrologic Model to Estimate Streamflow across Southeast Australia. Journal of Hydrometeorology, 2012, 13, 1233-1250.	1.9	23
114	The transferability of hydrological models under nonstationary climatic conditions. Hydrology and Earth System Sciences, 2012, 16, 1239-1254.	4.9	77
115	Predicting effects of plantation expansion on streamflow regime for catchments in Australia. Hydrology and Earth System Sciences, 2012, 16, 2109-2121.	4.9	28
116	Gauge based precipitation estimation and associated model and product uncertainties. Journal of Hydrology, 2012, 444-445, 100-112.	5.4	12
117	Changes in streamflow regime following vegetation changes from paired catchments. Hydrological Processes, 2012, 26, 1561-1573.	2.6	39
118	Estimating effects of plantation expansion and climate variability on streamflow for catchments in Australia. Water Resources Research, 2011, 47, .	4.2	64
119	Probabilistic modelling of soil moisture dynamics of irrigated cropland in the North China Plain. Hydrological Sciences Journal, 2011, 56, 123-137.	2.6	8
120	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
121	Monthly versus daily water balance models in simulating monthly runoff. Journal of Hydrology, 2011, 404, 166-175.	5.4	77
122	Impacts of soil conservation on groundwater recharge in the semi-arid Loess Plateau, China. Hydrogeology Journal, 2011, 19, 865-875.	2.1	123
123	Forest ecohydrological research in the 21st century: what are the critical needs?. Ecohydrology, 2011, 4, 146-158.	2.4	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. Climatic Change, 2010, 100, 607-631.	3.6	29
125	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
126	Evaluation of methods for estimating the effects of vegetation change and climate variability on streamflow. Water Resources Research, 2010, 46, .	4.2	107

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127	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
128	Fuzzy multi-objective linear programming applying to crop area planning. Agricultural Water Management, 2010, 98, 134-142.	5.6	100
129	Use of Remotely Sensed Actual Evapotranspiration to Improve Rainfallâ€“Runoff Modeling in Southeast Australia. Journal of Hydrometeorology, 2009, 10, 969-980.	1.9	104
130	Interannual variability of catchment water balance in Australia. Journal of Hydrology, 2009, 369, 120-129.	5.4	105
131	Analysis of low-flow characteristics for catchments in Dongjiang Basin, China. Hydrogeology Journal, 2009, 17, 631-640.	2.1	14
132	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
133	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
134	Climate warming and growth of high-elevation inland lakes on the Tibetan Plateau. Global and Planetary Change, 2009, 67, 209-217.	3.5	144
135	An evapotranspiration model for sparsely vegetated canopies under partial root-zone irrigation. Agricultural and Forest Meteorology, 2009, 149, 2007-2011.	4.8	28
136	Variability in energy partitioning and resistance parameters for a vineyard in northwest China. Agricultural Water Management, 2009, 96, 955-962.	5.6	27
137	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
138	Introduction to special section on Impacts of Land Use Change on Water Resources. Water Resources Research, 2009, 45, .	4.2	101
139	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
140	Development of Hydro-Informatic Modelling System and its application. Science in China Series D: Earth Sciences, 2008, 51, 456-466.	0.9	25
141	Modelling the impact of afforestation on average annual streamflow in the Loess Plateau, China. Hydrological Processes, 2008, 22, 1996-2004.	2.6	68
142	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
143	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
144	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

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145	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
146	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
147	Estimating catchment evaporation and runoff using MODIS leaf area index and the Penmanâ€Monteith equation. Water Resources Research, 2008, 44, .	4.2	119
148	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
149	Responses of streamflow to changes in climate and land use/cover in the Loess Plateau, China. Water Resources Research, 2008, 44, .	4.2	338
150	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
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. Agricultural Water Management, 2008, 95, 767-775.	5.6	11
152	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
153	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
154	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
155	Ecological Agriculture in China: Principles and Applications. Advances in Agronomy, 2007, 94, 181-208.	5.2	9
156	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
157	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
158	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
159	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
160	Water balance variability at the interstorm timescale. Water Resources Research, 2007, 43, .	4.2	9
161	Global impacts of conversions from natural to agricultural ecosystems on water resources: Quantity versus quality. Water Resources Research, 2007, 43, .	4.2	530
162	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

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163	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
164	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
165	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
166	Estimation of seasonal crop water consumption in a vineyard using Bowen ratio-energy balance method. Hydrological Processes, 2007, 21, 3635-3641.	2.6	31
167	Estimating subâ€canopy shortwave irradiance to melting snow on forested slopes. Hydrological Processes, 2007, 21, 2581-2593.	2.6	50
168	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
169	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
170	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
171	Estimating extractable soil moisture content for Australian soils from field measurements. Soil Research, 2006, 44, 531.	1.1	7
172	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
173	Towards better water security in North China. Water Resources Management, 2006, 21, 233-247.	3.9	95
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