

Shengzhi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,399
citations

126907

33
h-index

161849

54
g-index

56
all docs

56
docs citations

56
times ranked

2204
citing authors

#	ARTICLE	IF	CITATIONS
1	Monthly streamflow prediction using modified EMD-based support vector machine. <i>Journal of Hydrology</i> , 2014, 511, 764-775.	5.4	246
2	Impact of climate change and human activities on runoff in the Weihe River Basin, China. <i>Quaternary International</i> , 2015, 380-381, 169-179.	1.5	182
3	A robust method for non-stationary streamflow prediction based on improved EMD-SVM model. <i>Journal of Hydrology</i> , 2019, 568, 462-478.	5.4	169
4	Optimal sizing of utility-scale photovoltaic power generation complementarily operating with hydropower: A case study of the world's largest hydro-photovoltaic plant. <i>Energy Conversion and Management</i> , 2017, 136, 161-172.	9.2	141
5	Probabilistic assessment of remote sensing-based terrestrial vegetation vulnerability to drought stress of the Loess Plateau in China. <i>Remote Sensing of Environment</i> , 2019, 232, 111290.	11.0	133
6	Spatio-temporal Changes and Frequency Analysis of Drought in the Wei River Basin, China. <i>Water Resources Management</i> , 2014, 28, 3095-3110.	3.9	127
7	Assessing socioeconomic drought based on an improved Multivariate Standardized Reliability and Resilience Index. <i>Journal of Hydrology</i> , 2019, 568, 904-918.	5.4	116
8	Assessing agricultural drought risk and its dynamic evolution characteristics. <i>Agricultural Water Management</i> , 2020, 231, 106003.	5.6	116
9	Integrated index for drought assessment based on variable fuzzy set theory: A case study in the Yellow River basin, China. <i>Journal of Hydrology</i> , 2015, 527, 608-618.	5.4	115
10	Quantitative contribution of climate change and human activities to vegetation cover variations based on GA-SVM model. <i>Journal of Hydrology</i> , 2020, 584, 124687.	5.4	114
11	Linkages between hydrological drought, climate indices and human activities: a case study in the Columbia River basin. <i>International Journal of Climatology</i> , 2016, 36, 280-290.	3.5	108
12	Propagation dynamics from meteorological to groundwater drought and their possible influence factors. <i>Journal of Hydrology</i> , 2019, 578, 124102.	5.4	101
13	Drought structure based on a nonparametric multivariate standardized drought index across the Yellow River basin, China. <i>Journal of Hydrology</i> , 2015, 530, 127-136.	5.4	95
14	Examining the applicability of different sampling techniques in the development of decomposition-based streamflow forecasting models. <i>Journal of Hydrology</i> , 2019, 568, 534-550.	5.4	91
15	Spatial-temporal changes of rainfall erosivity in the loess plateau, China: Changing patterns, causes and implications. <i>Catena</i> , 2018, 166, 279-289.	5.0	89
16	Spatio-temporal characteristics of drought structure across China using an integrated drought index. <i>Agricultural Water Management</i> , 2019, 218, 182-192.	5.6	89
17	Identification of the non-stationarity of extreme precipitation events and correlations with large-scale ocean-atmospheric circulation patterns: A case study in the Wei River Basin, China. <i>Journal of Hydrology</i> , 2017, 548, 184-195.	5.4	85
18	Copula-based risk analysis for inter-seasonal combinations of wet and dry conditions under a changing climate. <i>International Journal of Climatology</i> , 2019, 39, 2005-2021.	3.5	75

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19	Analysis of temporal and spatial trends of hydro-climatic variables in the Wei River Basin. <i>Environmental Research</i> , 2015, 139, 55-64.	7.5	69
20	Copulas-based bivariate socioeconomic drought dynamic risk assessment in a changing environment. <i>Journal of Hydrology</i> , 2019, 575, 1052-1064.	5.4	68
21	Hourly Day-Ahead Wind Power Prediction Using the Hybrid Model of Variational Model Decomposition and Long Short-Term Memory. <i>Energies</i> , 2018, 11, 3227.	3.1	66
22	Copulas-based probabilistic characterization of the combination of dry and wet conditions in the Guanzhong Plain, China. <i>Journal of Hydrology</i> , 2014, 519, 3204-3213.	5.4	62
23	Spatial-temporal changes in vegetation cover in a typical semi-humid and semi-arid region in China: Changing patterns, causes and implications. <i>Ecological Indicators</i> , 2019, 98, 462-475.	6.3	62
24	A nature-based reservoir optimization model for resolving the conflict in human water demand and riverine ecosystem protection. <i>Journal of Cleaner Production</i> , 2019, 231, 406-418.	9.3	58
25	Reference evapotranspiration forecasting based on local meteorological and global climate information screened by partial mutual information. <i>Journal of Hydrology</i> , 2018, 561, 764-779.	5.4	57
26	Assessing GRACE-based terrestrial water storage anomalies dynamics at multi-timescales and their correlations with teleconnection factors in Yunnan Province, China. <i>Journal of Hydrology</i> , 2019, 574, 836-850.	5.4	51
27	Assessing the reliability, resilience and vulnerability of water supply system under multiple uncertain sources. <i>Journal of Cleaner Production</i> , 2020, 252, 119806.	9.3	50
28	Bivariate probabilistic quantification of drought impacts on terrestrial vegetation dynamics in mainland China. <i>Journal of Hydrology</i> , 2019, 577, 123980.	5.4	49
29	Assessing socio-economic drought evolution characteristics and their possible meteorological driving force. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 1084-1101.	4.3	49
30	Identification of the Non-stationarity of Floods: Changing Patterns, Causes, and Implications. <i>Water Resources Management</i> , 2019, 33, 939-953.	3.9	42
31	Variations in annual water-energy balance and their correlations with vegetation and soil moisture dynamics: A case study in the Wei River Basin, China. <i>Journal of Hydrology</i> , 2017, 546, 515-525.	5.4	40
32	Drought-flood abrupt alternation dynamics and their potential driving forces in a changing environment. <i>Journal of Hydrology</i> , 2021, 597, 126179.	5.4	40
33	Copula-Based Abrupt Variations Detection in the Relationship of Seasonal Vegetation-Climate in the Jing River Basin, China. <i>Remote Sensing</i> , 2019, 11, 1628.	4.0	37
34	A Hybrid VMD-SVM Model for Practical Streamflow Prediction Using an Innovative Input Selection Framework. <i>Water Resources Management</i> , 2021, 35, 1321-1337.	3.9	34
35	Dry and wet combination dynamics and their possible driving forces in a changing environment. <i>Journal of Hydrology</i> , 2020, 589, 125211.	5.4	32
36	Vegetation vulnerability and resistance to hydrometeorological stresses in water- and energy-limited watersheds based on a Bayesian framework. <i>Catena</i> , 2021, 196, 104879.	5.0	32

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37	Copulas-Based Drought Evolution Characteristics and Risk Evaluation in a Typical Arid and Semi-Arid Region. <i>Water Resources Management</i> , 2015, 29, 1489-1503.	3.9	30
38	Propagation characteristics and mechanism from meteorological to agricultural drought in various seasons. <i>Journal of Hydrology</i> , 2022, 610, 127897.	5.4	30
39	Identification of abrupt changes of the relationship between rainfall and runoff in the Wei River Basin, China. <i>Theoretical and Applied Climatology</i> , 2015, 120, 299-310.	2.8	27
40	The asymmetric impact of global warming on US drought types and distributions in a large ensemble of 97 hydro-climatic simulations. <i>Scientific Reports</i> , 2017, 7, 5891.	3.3	25
41	Assessments of joint hydrological extreme risks in a warming climate in China. <i>International Journal of Climatology</i> , 2016, 36, 1632-1642.	3.5	24
42	Spatial-temporal changes of maximum and minimum temperatures in the Wei River Basin, China: Changing patterns, causes and implications. <i>Atmospheric Research</i> , 2018, 204, 1-11.	4.1	23
43	Assessment of drought evolution characteristics based on a nonparametric and trivariate integrated drought index. <i>Journal of Hydrology</i> , 2019, 579, 124230.	5.4	21
44	Spatio-temporal changes in precipitation, temperature and their possibly changing relationship: a case study in the Wei River Basin, China. <i>International Journal of Climatology</i> , 2016, 36, 1160-1169.	3.5	20
45	Propagation dynamics and causes of hydrological drought in response to meteorological drought at seasonal timescales. <i>Hydrology Research</i> , 2022, 53, 193-205.	2.7	20
46	Detecting the Dominant Cause of Streamflow Decline in the Loess Plateau of China Based on the Latest Budyko Equation. <i>Water (Switzerland)</i> , 2018, 10, 1277.	2.7	18
47	Assessing the non-stationarity of low flows and their scale-dependent relationships with climate and human forcing. <i>Science of the Total Environment</i> , 2019, 687, 244-256.	8.0	16
48	Recent changes in county-level maize production in the United States: Spatial-temporal patterns, climatic drivers and the implications for crop modelling. <i>Science of the Total Environment</i> , 2019, 686, 819-827.	8.0	15
49	Calculation of the Instream Ecological Flow of the Wei River Based on Hydrological Variation. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-9.	0.9	13
50	Environmental Flow Assessment Considering Inter- and Intra-Annual Streamflow Variability under the Context of Non-Stationarity. <i>Water (Switzerland)</i> , 2018, 10, 1737.	2.7	8
51	Bayesian-based time-varying multivariate drought risk and its dynamics in a changing environment. <i>Catena</i> , 2021, 204, 105429.	5.0	7
52	Identification of the interactions and feedbacks among watershed water-energy balance dynamics, hydro-meteorological factors, and underlying surface characteristics. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 69-81.	4.0	5
53	Copula-Based Research on the Multi-Objective Competition Mechanism in Cascade Reservoirs Optimal Operation. <i>Water (Switzerland)</i> , 2019, 11, 995.	2.7	4
54	The Reconstruction and Extension of Terrestrial Water Storage Based on a Combined Prediction Model. <i>Water Resources Management</i> , 2021, 35, 5291-5306.	3.9	3

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55	Quantifying the Contributions of Climate Change and Human Activities to Maize Yield Dynamics at Multiple Timescales. Water (Switzerland), 2022, 14, 1927.	2.7	0