

Guoyong Leng

List of Publications by Year in descending order

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140
papers

6,542
citations

57758

44
h-index

76900

74
g-index

145
all docs

145
docs citations

145
times ranked

5716
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Identifying the paths and contributions of climate impacts on the variation in land surface albedo over the Arctic. Agricultural and Forest Meteorology, 2022, 313, 108772. | 4.8 | 10 |
| 2 | Various maize yield losses and their dynamics triggered by drought thresholds based on Copula-Bayesian conditional probabilities. Agricultural Water Management, 2022, 261, 107391. | 5.6 | 24 |
| 3 | Assessing the feedback relationship between vegetation and soil moisture over the Loess Plateau, China. Ecological Indicators, 2022, 134, 108493. | 6.3 | 17 |
| 4 | Simulation and Assessment of Projected Climate Change Impacts on Urban Flood Events: Insights From Flooding Characteristic Metrics. Journal of Geophysical Research D: Atmospheres, 2022, 127, . | 3.3 | 10 |
| 5 | Attribution of the spatial heterogeneity of Arctic surface albedo feedback to the dynamics of vegetation, snow and soil properties and their interactions. Environmental Research Letters, 2022, 17, 014036. | 5.2 | 6 |
| 6 | Contribution of Hydrological Model Calibration Uncertainty to Future Hydrological Projections over Various Temporal Scales. , 2022, , 420-444. | | 0 |
| 7 | A Review of the Effects of Climate Extremes on Agriculture Production. , 2022, , 198-219. | | 0 |
| 8 | Impact of Inter-Basin Water Transfer on Water Scarcity in Water-Receiving Area under Global Warming. , 2022, , 240-266. | | 0 |
| 9 | Spatial Drought Patterns in East Africa. , 2022, , 47-64. | | 0 |
| 10 | Disentangling the separate and confounding effects of temperature and precipitation on global maize yield using machine learning, statistical and process crop models. Environmental Research Letters, 2022, 17, 044036. | 5.2 | 5 |
| 11 | Future Water Scarcity over the Yellow River Basin and the Effects of Adaptive Measures. , 2022, , 445-464. | | 0 |
| 12 | Propagation dynamics and causes of hydrological drought in response to meteorological drought at seasonal timescales. Hydrology Research, 2022, 53, 193-205. | 2.7 | 20 |
| 13 | Multi-model evaluation of catchment- and global-scale hydrological model simulations of drought characteristics across eight large river catchments. Advances in Water Resources, 2022, 165, 104212. | 3.8 | 5 |
| 14 | Propagation characteristics and mechanism from meteorological to agricultural drought in various seasons. Journal of Hydrology, 2022, 610, 127897. | 5.4 | 30 |
| 15 | Observational constraint of process crop models suggests higher risks for global maize yield under climate change. Environmental Research Letters, 2022, 17, 074023. | 5.2 | 6 |
| 16 | Modelling global impacts of climate variability and trend on maize yield during 1980â€“2010. International Journal of Climatology, 2021, 41, E1583. | 3.5 | 7 |
| 17 | Spatial-temporal dynamics of agricultural drought in the Loess Plateau under a changing environment: Characteristics and potential influencing factors. Agricultural Water Management, 2021, 244, 106540. | 5.6 | 78 |
| 18 | Time-scale dependent mechanism of atmospheric CO2 concentration drivers of watershed water-energy balance. Science of the Total Environment, 2021, 754, 142132. | 8.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Copula-based non-stationarity detection of the precipitation-temperature dependency structure dynamics and possible driving mechanism. <i>Atmospheric Research</i> , 2021, 249, 105280. | 4.1 | 16 |
| 21 | Elucidating the effects of mega reservoir on watershed drought tolerance based on a drought propagation analytical method. <i>Journal of Hydrology</i> , 2021, 598, 125738. | 5.4 | 23 |
| 22 | Where is the Planetary Boundary for freshwater being exceeded because of livestock farming?. <i>Science of the Total Environment</i> , 2021, 760, 144035. | 8.0 | 10 |
| 23 | 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 |
| 24 | Maize yield loss risk under droughts in observations and crop models in the United States. <i>Environmental Research Letters</i> , 2021, 16, 024016. | 5.2 | 19 |
| 25 | Identifying complex networks and operating scenarios for cascade water reservoirs for mitigating drought and flood impacts. <i>Journal of Hydrology</i> , 2021, 594, 125946. | 5.4 | 6 |
| 26 | Understanding each other's models: an introduction and a standard representation of 16 global water models to support intercomparison, improvement, and communication. <i>Geoscientific Model Development</i> , 2021, 14, 3843-3878. | 3.6 | 41 |
| 27 | Bayesian-based time-varying multivariate drought risk and its dynamics in a changing environment. <i>Catena</i> , 2021, 204, 105429. | 5.0 | 7 |
| 28 | Synergistic effect of drought and rainfall events of different patterns on watershed systems. <i>Scientific Reports</i> , 2021, 11, 18957. | 3.3 | 16 |
| 29 | Varying response of vegetation to sea ice dynamics over the Arctic. <i>Science of the Total Environment</i> , 2021, 799, 149378. | 8.0 | 2 |
| 30 | Formal institutions' role in managing catastrophic risks in agriculture in Pakistan: Implications for effective risk governance. <i>International Journal of Disaster Risk Reduction</i> , 2021, 65, 102644. | 3.9 | 11 |
| 31 | Altered drought propagation under the influence of reservoir regulation. <i>Journal of Hydrology</i> , 2021, 603, 127049. | 5.4 | 17 |
| 32 | Influences of leaf area index and albedo on estimating energy fluxes with HOLAPS framework. <i>Journal of Hydrology</i> , 2020, 580, 124245. | 5.4 | 4 |
| 33 | Propagation thresholds of meteorological drought for triggering hydrological drought at various levels. <i>Science of the Total Environment</i> , 2020, 712, 136502. | 8.0 | 131 |
| 34 | 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 |
| 35 | Evaluating the performance of conservation practices under climate change scenarios in the Miyun Reservoir Watershed, China. <i>Ecological Engineering</i> , 2020, 143, 105700. | 3.6 | 39 |
| 36 | Watershed water-energy balance dynamics and their association with diverse influencing factors at multiple time scales. <i>Science of the Total Environment</i> , 2020, 711, 135189. | 8.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Effects of vegetation restoration on groundwater drought in the Loess Plateau, China. Journal of Hydrology, 2020, 591, 125566. | 5.4 | 61 |
| 38 | Dry and wet combination dynamics and their possible driving forces in a changing environment. Journal of Hydrology, 2020, 589, 125211. | 5.4 | 32 |
| 39 | Identifying drought propagation by simultaneously considering linear and nonlinear dependence in the Wei River basin of the Loess Plateau, China. Journal of Hydrology, 2020, 591, 125287. | 5.4 | 46 |
| 40 | Possible NPP changes and risky ecosystem region identification in China during the 21st century based on BCC-CSM2. Journal of Chinese Geography, 2020, 30, 1219-1232. | 3.9 | 8 |
| 41 | Multivariable flood risk and its dynamics considering project reasonable service life in a changing environment. Journal of Hydrology, 2020, 590, 125524. | 5.4 | 6 |
| 42 | Global Irrigation Characteristics and Effects Simulated by Fully Coupled Land Surface, River, and Water Management Models in E3SM. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002069. | 3.8 | 16 |
| 43 | Projected Impacts of Climate Change on Drought Patterns Over East Africa. Earth's Future, 2020, 8, e2020EF001502. | 6.3 | 164 |
| 44 | Assessing the effects of climate change and human activities on runoff variations from a seasonal perspective. Stochastic Environmental Research and Risk Assessment, 2020, 34, 575-592. | 4.0 | 25 |
| 45 | Recent changes in vulnerability and responses of economic and human systems to major extreme weather hazards in the United States. Geomatics, Natural Hazards and Risk, 2020, 11, 357-376. | 4.3 | 2 |
| 46 | Quantitative contribution of climate change and human activities to vegetation cover variations based on GA-SVM model. Journal of Hydrology, 2020, 584, 124687. | 5.4 | 114 |
| 47 | Satellite-Based Operational Real-Time Drought Monitoring in the Transboundary Lancang-Mekong River Basin. Remote Sensing, 2020, 12, 376. | 4.0 | 11 |
| 48 | Assessing agricultural drought risk and its dynamic evolution characteristics. Agricultural Water Management, 2020, 231, 106003. | 5.6 | 116 |
| 49 | Time-lagged response of vegetation dynamics to climatic and teleconnection factors. Catena, 2020, 189, 104474. | 5.0 | 90 |
| 50 | Predicting spatial and temporal variability in crop yields: an inter-comparison of machine learning, regression and process-based models. Environmental Research Letters, 2020, 15, 044027. | 5.2 | 79 |
| 51 | Can we calculate drought risk and do we need to?. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1349. | 6.5 | 22 |
| 52 | Copula-Based Abrupt Variations Detection in the Relationship of Seasonal Vegetation-Climate in the Jing River Basin, China. Remote Sensing, 2019, 11, 1628. | 4.0 | 37 |
| 53 | The Role of Hazard and Vulnerability in Modulating Economic Damages of Inland Floods in the United States Using a Survey-Based Dataset. Sustainability, 2019, 11, 3754. | 3.2 | 6 |
| 54 | Probabilistic assessment of remote sensing-based terrestrial vegetation vulnerability to drought stress of the Loess Plateau in China. Remote Sensing of Environment, 2019, 232, 111290. | 11.0 | 133 |

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|----|--|-----|-----------|
| 55 | Bivariate probabilistic quantification of drought impacts on terrestrial vegetation dynamics in mainland China. <i>Journal of Hydrology</i> , 2019, 577, 123980. | 5.4 | 49 |
| 56 | 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 |
| 57 | Defining the robust operating rule for multi-purpose water reservoirs under deep uncertainties. <i>Journal of Hydrology</i> , 2019, 578, 124134. | 5.4 | 22 |
| 58 | Propagation dynamics from meteorological to groundwater drought and their possible influence factors. <i>Journal of Hydrology</i> , 2019, 578, 124102. | 5.4 | 101 |
| 59 | The influence of groundwater representation on hydrological simulation and its assessment using satellite-based water storage variation. <i>Hydrological Processes</i> , 2019, 33, 1218-1230. | 2.6 | 14 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | The asymmetric impact of abundant preceding rainfall on heat stress in low latitudes. <i>Environmental Research Letters</i> , 2019, 14, 044010. | 5.2 | 11 |
| 64 | Climate change will pose challenges to water quality management in the St. Croix River basin. <i>Environmental Pollution</i> , 2019, 251, 302-311. | 7.5 | 18 |
| 65 | 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 |
| 66 | Impacts of climate change on watershed systems and potential adaptation through BMPs in a drinking water source area. <i>Journal of Hydrology</i> , 2019, 573, 123-135. | 5.4 | 37 |
| 67 | A Set of Satellite-Based Near Real-Time Meteorological Drought Monitoring Data over China. <i>Remote Sensing</i> , 2019, 11, 453. | 4.0 | 10 |
| 68 | 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 |
| 69 | Uncertainty in Assessing Temperature Impact on U.S. Maize Yield Under Global Warming: The Role of Compounding Precipitation Effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6238-6246. | 3.3 | 14 |
| 70 | 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 |
| 71 | Improving the SWAT forest module for enhancing water resource projections: A case study in the St. Croix River basin. <i>Hydrological Processes</i> , 2019, 33, 864-875. | 2.6 | 11 |
| 72 | Comparison of urbanization and climate change impacts on urban flood volumes: Importance of urban planning and drainage adaptation. <i>Science of the Total Environment</i> , 2019, 658, 24-33. | 8.0 | 229 |

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|----|---|-----|-----------|
| 73 | Crop yield sensitivity of global major agricultural countries to droughts and the projected changes in the future. <i>Science of the Total Environment</i> , 2019, 654, 811-821. | 8.0 | 387 |
| 74 | Identification of the Non-stationarity of Floods: Changing Patterns, Causes, and Implications. <i>Water Resources Management</i> , 2019, 33, 939-953. | 3.9 | 42 |
| 75 | 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 |
| 76 | Sensitivity of Regulated Flow Regimes to Climate Change in the Western United States. <i>Journal of Hydrometeorology</i> , 2018, 19, 499-515. | 1.9 | 22 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | Recent Changes in the Occurrences and Damages of Floods and Droughts in the United States. <i>Water (Switzerland)</i> , 2018, 10, 1109. | 2.7 | 14 |
| 81 | GRACE-Based Terrestrial Water Storage in Northwest China: Changes and Causes. <i>Remote Sensing</i> , 2018, 10, 1163. | 4.0 | 36 |
| 82 | Spatiotemporal Changes in Extreme Wet and Dry Conditions and Linkages with Planetary Oscillations. <i>Journal of Coastal Research</i> , 2018, 84, 134-143. | 0.3 | 1 |
| 83 | The Potential Utility of Satellite Soil Moisture Retrievals for Detecting Irrigation Patterns in China. <i>Water (Switzerland)</i> , 2018, 10, 1505. | 2.7 | 22 |
| 84 | 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 |
| 85 | Evapotranspiration simulations in ISIMIP2—Evaluation of spatio-temporal characteristics with a comprehensive ensemble of independent datasets. <i>Environmental Research Letters</i> , 2018, 13, 075001. | 5.2 | 38 |
| 86 | Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. <i>Environmental Research Letters</i> , 2018, 13, 065015. | 5.2 | 85 |
| 87 | Reconstruction of global gridded monthly sectoral water withdrawals for 1971–2010 and analysis of their spatiotemporal patterns. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2117-2133. | 4.9 | 106 |
| 88 | A hydrological emulator for global applications – HE v1.0.0. <i>Geoscientific Model Development</i> , 2018, 11, 1077-1092. | 3.6 | 22 |
| 89 | Impacts of future climate change on urban flood volumes in Hohhot in northern China: benefits of climate change mitigation and adaptations. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 305-316. | 4.9 | 69 |
| 90 | Keeping global warming within 1.5 °C reduces future risk of yield loss in the United States: A probabilistic modeling approach. <i>Science of the Total Environment</i> , 2018, 644, 52-59. | 8.0 | 28 |

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|-----|--|------|-----------|
| 91 | Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. <i>Ecological Engineering</i> , 2018, 120, 422-431. | 3.6 | 25 |
| 92 | Nonlinearity of Runoff Response to Global Mean Temperature Change Over Major Global River Basins. <i>Geophysical Research Letters</i> , 2018, 45, 6109-6116. | 4.0 | 22 |
| 93 | Variations in precipitation and runoff from a multivariate perspective in the Wei River Basin, China. <i>Quaternary International</i> , 2017, 440, 30-39. | 1.5 | 9 |
| 94 | Comparing the Performance of Three Land Models in Global C Cycle Simulations: A Detailed Structural Analysis. <i>Land Degradation and Development</i> , 2017, 28, 524-533. | 3.9 | 32 |
| 95 | The propagation from meteorological to hydrological drought and its potential influence factors. <i>Journal of Hydrology</i> , 2017, 547, 184-195. | 5.4 | 296 |
| 96 | 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 |
| 97 | Cross-scale intercomparison of climate change impacts simulated by regional and global hydrological models in eleven large river basins. <i>Climatic Change</i> , 2017, 141, 561-576. | 3.6 | 137 |
| 98 | A Case Study on a Combination NDVI Forecasting Model Based on the Entropy Weight Method. <i>Water Resources Management</i> , 2017, 31, 3667-3681. | 3.9 | 68 |
| 99 | Airborne observations reveal elevational gradient in tropical forest isoprene emissions. <i>Nature Communications</i> , 2017, 8, 15541. | 12.8 | 53 |
| 100 | Copula-based identification of the non-stationarity of the relation between runoff and sediment load. <i>International Journal of Sediment Research</i> , 2017, 32, 221-230. | 3.5 | 15 |
| 101 | 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 |
| 102 | Regional contribution to variability and trends of global gross primary productivity. <i>Environmental Research Letters</i> , 2017, 12, 105005. | 5.2 | 65 |
| 103 | Crop yield response to climate change varies with crop spatial distribution pattern. <i>Scientific Reports</i> , 2017, 7, 1463. | 3.3 | 95 |
| 104 | The critical role of the routing scheme in simulating peak river discharge in global hydrological models. <i>Environmental Research Letters</i> , 2017, 12, 075003. | 5.2 | 105 |
| 105 | Predictability of state-level flood damage in the conterminous United States: the role of hazard, exposure and vulnerability. <i>Scientific Reports</i> , 2017, 7, 5354. | 3.3 | 28 |
| 106 | Recent changes in county-level corn yield variability in the United States from observations and crop models. <i>Science of the Total Environment</i> , 2017, 607-608, 683-690. | 8.0 | 39 |
| 107 | Spatial-temporal changes in potential evaporation patterns based on the Cloud model and their possible causes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2147-2158. | 4.0 | 8 |
| 108 | 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 |

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|-----|--|-----|-----------|
| 109 | Evidence for a weakening strength of temperature-corn yield relation in the United States during 1980–2010. <i>Science of the Total Environment</i> , 2017, 605-606, 551-558. | 8.0 | 29 |
| 110 | Soil Moisture Drought Monitoring and Forecasting Using Satellite and Climate Model Data over Southwestern China. <i>Journal of Hydrometeorology</i> , 2017, 18, 5-23. | 1.9 | 51 |
| 111 | Significant impacts of irrigation water sources and methods on modeling irrigation effects in the <sc>ACME</sc> <sc>L</sc> and Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1665-1683. | 3.8 | 70 |
| 112 | On the Dominant Factor Controlling Seasonal Hydrological Forecast Skill in China. <i>Water (Switzerland)</i> , 2017, 9, 902. | 2.7 | 2 |
| 113 | Divergent predictions of carbon storage between two global land models: attribution of the causes through traceability analysis. <i>Earth System Dynamics</i> , 2016, 7, 649-658. | 7.1 | 36 |
| 114 | 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 |
| 115 | Emergence of new hydrologic regimes of surface water resources in the conterminous United States under future warming. <i>Environmental Research Letters</i> , 2016, 11, 114003. | 5.2 | 43 |
| 116 | The Role of Climate Covariability on Crop Yields in the Conterminous United States. <i>Scientific Reports</i> , 2016, 6, 33160. | 3.3 | 53 |
| 117 | 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 |
| 118 | A Hybrid Index for Characterizing Drought Based on a Nonparametric Kernel Estimator. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 1377-1389. | 1.5 | 13 |
| 119 | A nonparametric multivariate standardized drought index for characterizing socioeconomic drought: A case study in the Heihe River Basin. <i>Journal of Hydrology</i> , 2016, 542, 875-883. | 5.4 | 72 |
| 120 | Simulating county-level crop yields in the <sc>C</sc>onterminous <sc>U</sc>nited <sc>S</sc>tates using the <sc>C</sc>ommunity <sc>L</sc> and <sc>M</sc>odel: <sc>T</sc>he effects of optimizing irrigation and fertilization. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1912-1931. | 3.8 | 26 |
| 121 | Extreme hot summers in China in the CMIP5 climate models. <i>Climatic Change</i> , 2016, 135, 669-681. | 3.6 | 23 |
| 122 | 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 |
| 123 | Quantifying the Relative Contribution of Climate and Human Impacts on Runoff Change Based on the Budyko Hypothesis and SVM Model. <i>Water Resources Management</i> , 2016, 30, 2377-2390. | 3.9 | 32 |
| 124 | Spatial-temporal variation of precipitation concentration and structure in the Wei River Basin, China. <i>Theoretical and Applied Climatology</i> , 2016, 125, 67-77. | 2.8 | 12 |
| 125 | A modeling study of irrigation effects on global surface water and groundwater resources under a changing climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1285-1304. | 3.8 | 88 |
| 126 | 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 |

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|-----|---|-----|-----------|
| 127 | Climate change impacts on meteorological, agricultural and hydrological droughts in China. <i>Global and Planetary Change</i> , 2015, 126, 23-34. | 3.5 | 356 |
| 128 | A comparative analysis of the impacts of climate change and irrigation on land surface and subsurface hydrology in the North China Plain. <i>Regional Environmental Change</i> , 2015, 15, 251-263. | 2.9 | 31 |
| 129 | The response of agricultural drought to meteorological drought and the influencing factors: A case study in the Wei River Basin, China. <i>Agricultural Water Management</i> , 2015, 159, 45-54. | 5.6 | 98 |
| 130 | Projected changes in mean and interannual variability of surface water over continental China. <i>Science China Earth Sciences</i> , 2015, 58, 739-754. | 5.2 | 25 |
| 131 | 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 |
| 132 | Modeling the Impacts of Future Climate Change on Irrigation over China: Sensitivity to Adjusted Projections. <i>Journal of Hydrometeorology</i> , 2014, 15, 2085-2103. | 1.9 | 28 |
| 133 | NDVI-Based Vegetation Change in Inner Mongolia from 1982 to 2006 and Its Relationship to Climate at the Biome Scale. <i>Advances in Meteorology</i> , 2014, 2014, 1-12. | 1.6 | 56 |
| 134 | Modeling the Effects of Groundwater-Fed Irrigation on Terrestrial Hydrology over the Conterminous United States. <i>Journal of Hydrometeorology</i> , 2014, 15, 957-972. | 1.9 | 116 |
| 135 | Regionalization of subsurface stormflow parameters of hydrologic models: Derivation from regional analysis of streamflow recession curves. <i>Journal of Hydrology</i> , 2014, 519, 670-682. | 5.4 | 33 |
| 136 | Changes in Cloud Cover, Precipitation, and Summer Temperature in North America from 1982 to 2009. <i>Journal of Climate</i> , 2013, 26, 1733-1744. | 3.2 | 33 |
| 137 | Modeling the effects of irrigation on land surface fluxes and states over the conterminous United States: Sensitivity to input data and model parameters. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9789-9803. | 3.3 | 103 |
| 138 | European Hot Summers Associated with a Reduction of Cloudiness. <i>Journal of Climate</i> , 2012, 25, 3637-3644. | 3.2 | 45 |
| 139 | Damped summer warming accompanied with cloud cover increase over Eurasia from 1982 to 2009. <i>Environmental Research Letters</i> , 2012, 7, 014004. | 5.2 | 30 |
| 140 | Compounding precipitation effect in modulating maize yield response to global warming. <i>International Journal of Climatology</i> , 0, , . | 3.5 | 1 |