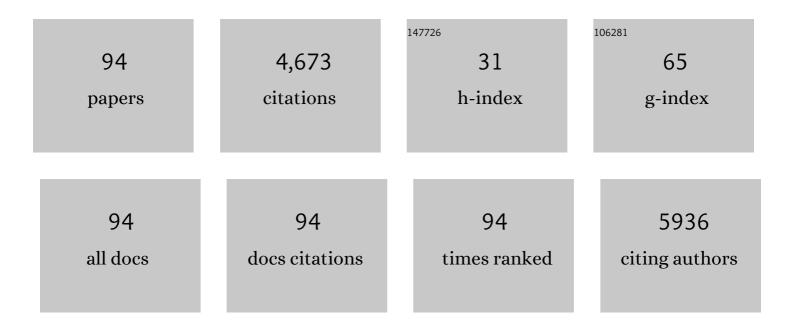
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Temperature sensitivity of drought-induced tree mortality portends increased regional die-off under global-change-type drought. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7063-7066. | 3.3 | 857 |
| 2 | Tree dieâ€off in response to global changeâ€ŧype drought: mortality insights from a decade of plant water potential measurements. Frontiers in Ecology and the Environment, 2009, 7, 185-189. | 1.9 | 436 |
| 3 | Increased vapor pressure deficit due to higher temperature leads to greater transpiration and faster mortality during drought for tree seedlings common to the forest–grassland ecotone. New Phytologist, 2013, 200, 366-374. | 3.5 | 243 |
| 4 | Nonstructural leaf carbohydrate dynamics of <i><scp>P</scp>inus edulis</i> during droughtâ€induced tree mortality reveal role for carbon metabolism in mortality mechanism. New Phytologist, 2013, 197, 1142-1151. | 3.5 | 221 |
| 5 | The critical amplifying role of increasing atmospheric moisture demand on tree mortality and associated regional die-off. Frontiers in Plant Science, 2013, 4, 266. | 1.7 | 163 |
| 6 | Effects of grazing exclusion on carbon sequestration and plant diversity in grasslands of China—A meta-analysis. Ecological Engineering, 2016, 94, 647-655. | 1.6 | 148 |
| 7 | Vegetation synchronously leans upslope as climate warms. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11591-11592. | 3.3 | 120 |
| 8 | Soil moisture redistribution as a mechanism of facilitation in savanna tree–shrub clusters. Oecologia, 2005, 145, 32-40. | 0.9 | 114 |
| 9 | Managing environmental contamination through phytoremediation by invasive plants: A review. Ecological Engineering, 2019, 138, 28-37. | 1.6 | 99 |
| 10 | A conceptual framework for dryland aeolian sediment transport along the grassland–forest continuum: Effects of woody plant canopy cover and disturbance. Geomorphology, 2009, 105, 28-38. | 1.1 | 91 |
| 11 | Ecohydrological controls of soil evaporation in deciduous drylands: How the hierarchical effects of litter, patch and vegetation mosaic cover interact with phenology and season. Journal of Arid Environments, 2010, 74, 595-602. | 1.2 | 87 |
| 12 | Vegetation Responses to Extreme Hydrological Events: Sequence Matters. American Naturalist, 2009, 173, 113-118. | 1.0 | 73 |
| 13 | Least limiting water range: a potential indicator of physical quality of forest soils. Soil Research, 2000, 38, 947. | 0.6 | 72 |
| 14 | Alteration of hydrological processes and streamflow with juniper (<i>Juniperus virginiana</i>) encroachment in a mesic grassland catchment. Hydrological Processes, 2014, 28, 6173-6182. | 1.1 | 68 |
| 15 | Title is missing!. Plant and Soil, 2001, 236, 105-115. | 1.8 | 66 |
| 16 | Calibration and Validation of the COSMOS Rover for Surface Soil Moisture Measurement. Vadose Zone Journal, 2014, 13, 1-8. | 1.3 | 66 |
| 17 | Effects of topography and woody plant canopy cover on nearâ€ground solar radiation: Relevant energy inputs for ecohydrology and hydropedology. Geophysical Research Letters, 2007, 34, . | 1.5 | 61 |
| 18 | Long-term effects of nitrogen fertilization on aggregation and localization of carbon, nitrogen and microbial activities in soil. Science of the Total Environment, 2018, 624, 1131-1139. | 3.9 | 60 |

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Seasonally Pulsed Heterogeneity in Microclimate: Phenology and Cover Effects along Deciduous Grassland–Forest Continuum. Vadose Zone Journal, 2010, 9, 537-547. | 1.3 | 53 |
| 20 | Sediment capture by vegetation patches: Implications for desertification and increased resource redistribution. Journal of Geophysical Research, 2012, 117, . | 3.3 | 52 |
| 21 | Evapotranspiration partitioning in dryland ecosystems: A global meta-analysis of in situ studies. Journal of Hydrology, 2019, 576, 123-136. | 2.3 | 52 |
| 22 | Performance assessment of the successive Version 6 and Version 7 TMPA products over the climate-transitional zone in the southern Great Plains, USA. Journal of Hydrology, 2014, 513, 446-456. | 2.3 | 51 |
| 23 | Canopy Interception for a Tallgrass Prairie under Juniper Encroachment. PLoS ONE, 2015, 10, e0141422. | 1.1 | 48 |
| 24 | Woody Plant Encroachment Impacts on Groundwater Recharge: A Review. Water (Switzerland), 2018, 10, 1466. | 1.2 | 45 |
| 25 | Woody plant encroachment reduces annual runoff and shifts runoff mechanisms in the tallgrass prairie, <scp>U</scp> SA. Water Resources Research, 2017, 53, 4838-4849. | 1.7 | 41 |
| 26 | Soil water dynamics under low―versus highâ€ponderosa pine tree density: ecohydrological functioning and restoration implications. Ecohydrology, 2008, 1, 309-315. | 1.1 | 39 |
| 27 | Calibration of SWAT model for woody plant encroachment using paired experimental watershed data. Journal of Hydrology, 2015, 523, 231-239. | 2.3 | 38 |
| 28 | Viewing Woody-Plant Encroachment through a Social–Ecological Lens. BioScience, 2018, 68, 691-705. | 2.2 | 37 |
| 29 | Monitoring litter interception of rainfall using leaf wetness sensor under controlled and field conditions. Hydrological Processes, 2017, 31, 240-249. | 1.1 | 36 |
| 30 | The enhancement of root biomass increases the competitiveness of an invasive plant against a co-occurring native plant under elevated nitrogen deposition. Flora: Morphology, Distribution, Functional Ecology of Plants, 2019, 261, 151486. | 0.6 | 35 |
| 31 | Interactive effects of grazing and burning on wind- and water-driven sediment fluxes: rangeland management implications. , 2011, 21, 22-32. | | 33 |
| 32 | Droughtâ€induced woody plant mortality in an encroached semiâ€arid savanna depends on topoedaphic factors and land management. Applied Vegetation Science, 2014, 17, 42-52. | 0.9 | 33 |
| 33 | Impact of Eastern Redcedar Proliferation on Water Resources in the Great Plains USA—Current State of Knowledge. Water (Switzerland), 2018, 10, 1768. | 1.2 | 33 |
| 34 | Perceptions regarding active management of the Cross-timbers forest resources of Oklahoma, Texas, and Kansas: A SWOT-ANP analysis. Land Use Policy, 2019, 81, 523-530. | 2.5 | 33 |
| 35 | Long-term streamflow relations with riparian gallery forest expansion into tallgrass prairie in the Southern Great Plains, USA. Forest Ecology and Management, 2012, 266, 170-179. | 1.4 | 32 |
| 36 | Understanding ecohydrological connectivity in savannas: a system dynamics modelling approach. Ecohydrology, 2012, 5, 200-220. | 1.1 | 31 |

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|----|---|-----|-----------|
| 37 | Impact of Plant Functional Types on Coherence Between Precipitation and Soil Moisture: A Wavelet Analysis. Geophysical Research Letters, 2017, 44, 12,197. | 1.5 | 31 |
| 38 | Ecohydrological energy inputs in semiarid coniferous gradients: Responses to management- and drought-induced tree reductions. Forest Ecology and Management, 2010, 260, 1646-1655. | 1.4 | 30 |
| 39 | Density-Dependent Ecohydrological Effects of Piñon–Juniper Woody Canopy Cover on Soil Microclimate and Potential Soil Evaporation. Rangeland Ecology and Management, 2012, 65, 11-20. | 1.1 | 30 |
| 40 | Streamflow responses to vegetation manipulations along a gradient of precipitation in the Colorado River Basin. Forest Ecology and Management, 2010, 259, 1268-1276. | 1.4 | 29 |
| 41 | Sensitivity of regional evapotranspiration partitioning to variation in woody plant cover: insights from experimental dryland tree mosaics. Global Ecology and Biogeography, 2015, 24, 1040-1048. | 2.7 | 28 |
| 42 | Woody plant encroachment alters soil hydrological properties and reduces downward flux of water in tallgrass prairie. Plant and Soil, 2017, 414, 379-391. | 1.8 | 28 |
| 43 | Interactive effect of climate warming and nitrogen deposition may shift the dynamics of native and invasive species. Journal of Plant Ecology, 2021, 14, 84-95. | 1.2 | 27 |
| 44 | Runoff and sediment responses to grazing native and introduced species on highly erodible Southern Great Plains soil. Journal of Hydrology, 2012, 450-451, 336-341. | 2.3 | 26 |
| 45 | Water use of <i>Juniperus virginiana</i> trees encroached into mesic prairies in Oklahoma, USA. Ecohydrology, 2014, 7, 1124-1134. | 1.1 | 26 |
| 46 | Impacts of woody plant encroachment on regional climate in the southern Great Plains of the United States. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9093-9104. | 1.2 | 26 |
| 47 | Encroachment Dynamics of Juniperus virginiana L. and Mesic Hardwood Species into Cross Timbers Forests of North-Central Oklahoma, USA. Forests, 2018, 9, 75. | 0.9 | 26 |
| 48 | Effects of inundation on growth and nutrient allocation of six major macrophytes in the Florida Everglades. Ecological Engineering, 2012, 42, 10-18. | 1.6 | 25 |
| 49 | Bioclimatic Envelopes for Individual Demographic Events Driven by Extremes: Plant Mortality from Drought and Warming. International Journal of Plant Sciences, 2019, 180, 53-62. | 0.6 | 25 |
| 50 | Phosphorus addition reduces the competitive ability of the invasive weed Solidago canadensis under high nitrogen conditions. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 240, 68-75. | 0.6 | 24 |
| 51 | On the teleconnection patterns to precipitation in the eastern Tianshan Mountains, China. Climate Dynamics, 2017, 49, 3123-3139. | 1.7 | 23 |
| 52 | Estimating increased fuel loading within the Cross Timbers forest matrix of Oklahoma, USA due to an encroaching conifer, Juniperus virginiana, using leaf-off satellite imagery. Forest Ecology and Management, 2018, 409, 215-224. | 1.4 | 23 |
| 53 | Deep drainage sensitivity to climate, edaphic factors, and woody encroachment, Oklahoma, USA. Hydrological Processes, 2015, 29, 3779-3789. | 1.1 | 22 |
| 54 | The effect of nitrogen and temperature changes on <scp><i>Solidago canadensis</i></scp> phenotypic plasticity and fitness. Plant Species Biology, 2020, 35, 283-299. | 0.6 | 22 |

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|----|--|-----|-----------|
| 55 | Woodland expansion in central Oklahoma will significantly reduce streamflows – a modelling analysis. Ecohydrology, 2016, 9, 807-816. | 1.1 | 21 |
| 56 | Effect of Vegetation on the Energy Balance and Evapotranspiration in Tallgrass Prairie: A Paired Study Using the Eddy-Covariance Method. Boundary-Layer Meteorology, 2019, 170, 127-160. | 1.2 | 21 |
| 57 | Vegetation Controls on the Spatio-Temporal Heterogeneity of Deep Moisture in the Unsaturated Zone: A Hydrogeophysical Evaluation. Scientific Reports, 2017, 7, 1499. | 1.6 | 19 |
| 58 | Impact of Climate Variability and Landscape Patterns on Water Budget and Nutrient Loads in a Peri-urban Watershed: A Coupled Analysis Using Process-based Hydrological Model and Landscape Indices. Environmental Management, 2018, 61, 954-967. | 1.2 | 19 |
| 59 | Physiological responses of radiata pine roots to soil strength and soil water deficit. Tree Physiology, 2000, 20, 1205-1207. | 1.4 | 18 |
| 60 | Seasonal variation in seed bank composition and its interaction with nutrient enrichment in the Everglades wetlands. Aquatic Botany, 2009, 90, 157-164. | 0.8 | 18 |
| 61 | Climate, water use, and land surface transformation in an irrigation intensive watershed—Streamflow responses from 1950 through 2010. Agricultural Water Management, 2015, 160, 144-152. | 2.4 | 18 |
| 62 | Growth responses of Canada goldenrod (<i>Solidago canadensis</i> L.) to increased nitrogen supply correlate with bioavailability of insoluble phosphorus source. Ecological Research, 2018, 33, 261-269. | 0.7 | 18 |
| 63 | Elevated nitrogen deposition may advance invasive weed, Solidago canadensis, in calcareous soils. Journal of Plant Ecology, 2019, 12, 846-856. | 1.2 | 18 |
| 64 | Characterizing ecohydrological and biogeochemical connectivity across multiple scales: a new conceptual framework. Ecohydrology, 2012, 5, 221-233. | 1.1 | 17 |
| 65 | Application of Gash analytical model and parameterized Fan model to estimate canopy interception of a Chinese red pine forest. Journal of Forest Research, 2013, 18, 335-344. | 0.7 | 16 |
| 66 | Legacy effects of historical grazing affect the response of vegetation dynamics to water and nitrogen addition in semiâ€arid steppe. Applied Vegetation Science, 2018, 21, 229-239. | 0.9 | 14 |
| 67 | Density-dependent shading patterns by Sonoran saguaros. Journal of Arid Environments, 2010, 74, 156-158. | 1.2 | 13 |
| 68 | On the ratio of wind- to water-driven sediment transport: Conserving soil under global-change-type extreme events. Journal of Soils and Water Conservation, 2011, 66, 51A-56A. | 0.8 | 13 |
| 69 | Analysis of Precipitation Projections over the Climate Gradient of the Arkansas Red River Basin. Journal of Applied Meteorology and Climatology, 2017, 56, 1325-1336. | 0.6 | 13 |
| 70 | Sustaining Cross-Timbers Forest Resources: Current Knowledge and Future Research Needs. Sustainability, 2019, 11, 4703. | 1.6 | 12 |
| 71 | Aboveground Biomass Invariance Masks Significant Belowground Productivity Changes in Response to Salinization and Nitrogen Loading in Reed Marshes. Wetlands, 2017, 37, 985-995. | 0.7 | 11 |
| 72 | The mutual restraint effect between the expansion of Alternanthera philoxeroides (Mart.) Griseb and cadmium mobility in aquatic environment. Ecotoxicology and Environmental Safety, 2018, 148, 237-243. | 2.9 | 11 |

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|----|---|-----|-----------|
| 73 | Establishment of Quercus marilandica Muenchh. and Juniperus virginiana L. in the Tallgrass Prairie of Oklahoma, USA Increases Litter Inputs and Soil Organic Carbon. Forests, 2019, 10, 329. | 0.9 | 11 |
| 74 | Reply to Leuzinger et al.: Drought-induced tree mortality temperature sensitivity requires pressing forward with best available science. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E107-E107. | 3.3 | 10 |
| 75 | Stand-Level Transpiration Increases after Eastern Redcedar (Juniperus virginiana L.) Encroachment into the Midstory of Oak Forests. Forests, 2020, 11, 901. | 0.9 | 10 |
| 76 | Drought Tolerance and Competition in Eastern Redcedar (Juniperus virginiana) Encroachment of the Oak-Dominated Cross Timbers. Frontiers in Plant Science, 2020, 11, 59. | 1.7 | 10 |
| 77 | Hydrological properties of litter layers in mixed forests in Mt. Qinling, China. IForest, 2018, 11, 243-250. | 0.5 | 10 |
| 78 | Reply to Sala: Temperature sensitivity in drought-induced tree mortality hastens the need to further resolve a physiological model of death. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, . | 3.3 | 9 |
| 79 | Conversion of encroached juniper woodland back to native prairie and to switchgrass increases root zone soil moisture and watershed runoff. Journal of Hydrology, 2020, 584, 124640. | 2.3 | 9 |
| 80 | Estimating root zone soil moisture across diverse land cover types by integrating in-situ and remotely sensed data. Agricultural and Forest Meteorology, 2021, 307, 108471. | 1.9 | 9 |
| 81 | Effects of <i>Solidago canadensis</i> Invasion and Climate Warming on Soil Net N Mineralization. Polish Journal of Environmental Studies, 2020, 29, 3285-3294. | 0.6 | 9 |
| 82 | Pyric-herbivory and Hydrological Responses in Tallgrass Prairie. Rangeland Ecology and Management, 2016, 69, 20-27. | 1.1 | 7 |
| 83 | Interactive Effect of Meteorological Drought and Vegetation Types on Root Zone Soil Moisture and Runoff in Rangeland Watersheds. Water (Switzerland), 2019, 11, 2357. | 1.2 | 6 |
| 84 | Improved productivity, water yield, and water use efficiency by incorporating switchgrass cultivation and native ecosystems in an integrated biofuel feedstock system. GCB Bioenergy, 2021, 13, 369-381. | 2.5 | 6 |
| 85 | The influence of large-scale climate phenomena on precipitation in the Ordos Basin, China. Theoretical and Applied Climatology, 2017, 130, 791-805. | 1.3 | 5 |
| 86 | Physiological regulation of poplar species to experimental warming differs between species with contrasting elevation ranges. New Forests, 2018, 49, 329-340. | 0.7 | 5 |
| 87 | Understanding Market Opportunities Utilizing the Forest Resources of the Cross-timbers Ecoregion. Journal of Forestry, 2019, 117, 234-243. | 0.5 | 5 |
| 88 | Local-scale correlates of native and non-native earthworm distributions in juniper-encroached tallgrass prairie. Biological Invasions, 2017, 19, 1621-1635. | 1.2 | 4 |
| 89 | lsotopic partitioning of evapotranspiration in a mesic grassland during two wetting–drying episodes. Agricultural and Forest Meteorology, 2021, 301-302, 108321. | 1.9 | 4 |
| 90 | Management and climate variability effects on understory productivity of forest and savanna ecosystems in Oklahoma, USA. Ecosphere, 2021, 12, e03576. | 1.0 | 4 |

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|----|---|-----|-----------|
| 91 | Effects of climate variability and management on shortleaf pine radial growth across a forest-savanna continuum in a 34-year experiment. Forest Ecology and Management, 2021, 491, 119125. | 1.4 | 4 |
| 92 | Perceptions of Government and Research Expert Groups and Their Implications for Watershed Management in Oklahoma, USA. Environmental Management, 2018, 62, 1048-1059. | 1.2 | 3 |
| 93 | Response of sediment concentration and load to removal of juniper woodland and subsequent establishment of grasslands – A paired experimental watershed study. Catena, 2022, 209, 105816. | 2.2 | 3 |
| 94 | Response of Surface Runoff and Sediment to the Conversion of a Marginal Grassland to a Switchgrass (Panicum virgatum) Bioenergy Feedstock System. Land, 2022, 11, 540. | 1.2 | 2 |