

M Todd Walter

List of Publications by Citations

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139
papers

4,161
citations

35
h-index

58
g-index

142
ext. papers

4,732
ext. citations

4.7
avg, IF

5.58
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 139 | Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , 2014 , 28, 5613-5623 | 3.3 | 229 |
| 138 | Re-conceptualizing the soil and water assessment tool (SWAT) model to predict runoff from variable source areas. <i>Journal of Hydrology</i> , 2008 , 348, 279-291 | 6 | 200 |
| 137 | A soil-water-balance approach to quantify groundwater recharge from irrigated cropland in the North China Plain. <i>Hydrological Processes</i> , 2003 , 17, 2011-2031 | 3.3 | 183 |
| 136 | A GIS-based variable source area hydrology model. <i>Hydrological Processes</i> , 1999 , 13, 805-822 | 3.3 | 153 |
| 135 | Incorporating variable source area hydrology into a curve-number-based watershed model. <i>Hydrological Processes</i> , 2007 , 21, 3420-3430 | 3.3 | 128 |
| 134 | Using a topographic index to distribute variable source area runoff predicted with the SCS curve-number equation. <i>Hydrological Processes</i> , 2004 , 18, 2757-2771 | 3.3 | 119 |
| 133 | Process-based snowmelt modeling: does it require more input data than temperature-index modeling?. <i>Journal of Hydrology</i> , 2005 , 300, 65-75 | 6 | 116 |
| 132 | Increasing Evapotranspiration from the Conterminous United States. <i>Journal of Hydrometeorology</i> , 2004 , 5, 405-408 | 3.7 | 115 |
| 131 | PHOSPHORUS TRANSPORT INTO SUBSURFACE DRAINS BY MACROPORES AFTER MANURE APPLICATIONS: IMPLICATIONS FOR BEST MANURE MANAGEMENT PRACTICES. <i>Soil Science</i> , 2001 , 166, 896-909 | 0.9 | 94 |
| 130 | Identifying hydrologically sensitive areas: bridging the gap between science and application. <i>Journal of Environmental Management</i> , 2006 , 78, 63-76 | 7.9 | 87 |
| 129 | Rainfall induced chemical transport from soil to runoff: theory and experiments. <i>Journal of Hydrology</i> , 2004 , 295, 291-304 | 6 | 87 |
| 128 | Linking the pacific decadal oscillation to seasonal stream discharge patterns in Southeast Alaska. <i>Journal of Hydrology</i> , 2002 , 263, 188-197 | 6 | 87 |
| 127 | Estimating basin-wide hydraulic parameters of a semi-arid mountainous watershed by recession-flow analysis. <i>Journal of Hydrology</i> , 2003 , 279, 57-69 | 6 | 84 |
| 126 | Investigating raindrop effects on transport of sediment and non-sorbed chemicals from soil to surface runoff. <i>Journal of Hydrology</i> , 2005 , 308, 313-320 | 6 | 77 |
| 125 | The effect of dams on river transport of microplastic pollution. <i>Science of the Total Environment</i> , 2019 , 664, 834-840 | 10.2 | 76 |
| 124 | Atrazine leaching from biochar-amended soils. <i>Chemosphere</i> , 2014 , 95, 346-52 | 8.4 | 67 |
| 123 | Refined conceptualization of TOPMODEL for shallow subsurface flows. <i>Hydrological Processes</i> , 2002 , 16, 2041-2046 | 3.3 | 67 |

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|-----|--|------|----|
| 122 | Effects of urbanization on direct runoff characteristics in urban functional zones. <i>Science of the Total Environment</i> , 2018 , 643, 301-311 | 10.2 | 66 |
| 121 | Unusual seasonal patterns and inferred processes of nitrogen retention in forested headwaters of the Upper Susquehanna River. <i>Biogeochemistry</i> , 2009 , 93, 197-218 | 3.8 | 62 |
| 120 | Simple Estimation of Prevalence of Hortonian Flow in New York City Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2003 , 8, 214-218 | 1.8 | 59 |
| 119 | A phosphorus index that combines critical source areas and transport pathways using a travel time approach. <i>Journal of Hydrology</i> , 2013 , 486, 123-135 | 6 | 51 |
| 118 | N ₂ O emissions from grain cropping systems: a meta-analysis of the impacts of fertilizer-based and ecologically-based nutrient management strategies. <i>Nutrient Cycling in Agroecosystems</i> , 2017 , 107, 335-355 | 3.3 | 51 |
| 117 | Dissecting the variable source area concept: Subsurface flow pathways and water mixing processes in a hillslope. <i>Journal of Hydrology</i> , 2012 , 420-421, 125-141 | 6 | 48 |
| 116 | Hydrologic assessment of an urban variable source watershed in the northeast United States. <i>Water Resources Research</i> , 2007 , 43, | 5.4 | 48 |
| 115 | Hydrological impact of roadside ditches in an agricultural watershed in Central New York: implications for non-point source pollutant transport. <i>Hydrological Processes</i> , 2013 , 27, 2422-2437 | 3.3 | 46 |
| 114 | Modeling soil solute release into runoff with infiltration. <i>Journal of Hydrology</i> , 2007 , 347, 430-437 | 6 | 46 |
| 113 | Application of SMR to Modeling Watersheds in the Catskill Mountains. <i>Environmental Modeling and Assessment</i> , 2004 , 9, 77-89 | 2 | 44 |
| 112 | Defining probability of saturation with indicator kriging on hard and soft data. <i>Advances in Water Resources</i> , 2006 , 29, 181-193 | 4.7 | 43 |
| 111 | Combined monitoring and modeling indicate the most effective agricultural best management practices. <i>Journal of Environmental Quality</i> , 2008 , 37, 1798-809 | 3.4 | 42 |
| 110 | Stream Discharge in Tropical Headwater Catchments as a Result of Forest Clearing and Soil Degradation. <i>Earth Interactions</i> , 2012 , 16, 1-18 | 1.5 | 41 |
| 109 | The Role of Denitrification in Stormwater Detention Basin Treatment of Nitrogen. <i>Environmental Science & Technology</i> , 2017 , 51, 7928-7935 | 10.3 | 39 |
| 108 | A physical model of particulate wash-off from rough impervious surfaces. <i>Journal of Hydrology</i> , 2006 , 327, 618-626 | 6 | 37 |
| 107 | Hydrological tracers using nanobiotechnology: proof of concept. <i>Environmental Science & Technology</i> , 2012 , 46, 8928-36 | 10.3 | 36 |
| 106 | Shallow groundwater denitrification in riparian zones of a headwater agricultural landscape. <i>Journal of Environmental Quality</i> , 2014 , 43, 732-44 | 3.4 | 35 |
| 105 | Investigating a high resolution, stream chloride time series from the Biscuit Brook catchment, Catskills, NY. <i>Journal of Hydrology</i> , 2008 , 348, 245-256 | 6 | 35 |

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|-----|--|------|----|
| 104 | THE IMPACT OF RUNOFF GENERATION MECHANISMS ON THE LOCATION OF CRITICAL SOURCE AREAS1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 793-804 | 2.1 | 35 |
| 103 | Ecohydrologic considerations for modeling of stable water isotopes in a small intermittent watershed. <i>Hydrological Processes</i> , 2017 , 31, 2438-2452 | 3.3 | 34 |
| 102 | Plant-Microbe Interactions Drive Denitrification Rates, Dissolved Nitrogen Removal, and the Abundance of Denitrification Genes in Stormwater Control Measures. <i>Environmental Science & Technology</i> , 2018 , 52, 9320-9329 | 10.3 | 34 |
| 101 | Reduced raindrop-impact driven soil erosion by infiltration. <i>Journal of Hydrology</i> , 2007 , 342, 331-335 | 6 | 34 |
| 100 | Assessing the Impact of Urbanization on Direct Runoff Using Improved Composite CN Method in a Large Urban Area. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15, | 4.6 | 33 |
| 99 | A Vulnerability-Based, Bottom-up Assessment of Future Riverine Flood Risk Using a Modified Peaks-Over-Threshold Approach and a Physically Based Hydrologic Model. <i>Water Resources Research</i> , 2017 , 53, 10043-10064 | 5.4 | 32 |
| 98 | Assessing the impact of drought and forestry on streamflows in south-eastern Australia using a physically based hydrological model. <i>Environmental Earth Sciences</i> , 2015 , 74, 6047-6063 | 2.9 | 30 |
| 97 | Using concurrent DNA tracer injections to infer glacial flow pathways. <i>Hydrological Processes</i> , 2015 , 29, 5257-5274 | 3.3 | 28 |
| 96 | Pore-scale quantification of colloid transport in saturated porous media. <i>Environmental Science & Technology</i> , 2008 , 42, 517-23 | 10.3 | 28 |
| 95 | Funneled flow mechanisms in layered soil: field investigations. <i>Journal of Hydrology</i> , 2003 , 279, 210-223 | 6 | 27 |
| 94 | Metagenomic analysis reveals distinct patterns of denitrification gene abundance across soil moisture, nitrate gradients. <i>Environmental Microbiology</i> , 2019 , 21, 1255-1266 | 5.2 | 26 |
| 93 | Improving runoff risk estimates: Formulating runoff as a bivariate process using the SCS curve number method. <i>Water Resources Research</i> , 2009 , 45, | 5.4 | 26 |
| 92 | Terrestrial pyrogenic carbon export to fluvial ecosystems: Lessons learned from the White Nile watershed of East Africa. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 1911-1928 | 5.9 | 25 |
| 91 | Roadside ditches as conduits of fecal indicator organisms and sediment: implications for water quality management. <i>Journal of Environmental Management</i> , 2013 , 128, 1050-9 | 7.9 | 24 |
| 90 | Identifying dissolved phosphorus source areas and predicting transport from an urban watershed using distributed hydrologic modeling. <i>Water Resources Research</i> , 2007 , 43, | 5.4 | 24 |
| 89 | Nutrient Cycling in Grassed Roadside Ditches and Lawns in a Suburban Watershed. <i>Journal of Environmental Quality</i> , 2016 , 45, 1901-1909 | 3.4 | 24 |
| 88 | New Paradigm for Sizing Riparian Buffers to Reduce Risks of Polluted Storm Water: Practical Synthesis. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009 , 135, 200-209 | 1.1 | 23 |
| 87 | Impacts of disturbance on soil properties in a dry tropical forest in Southern India. <i>Ecohydrology</i> , 2008 , 1, 161-175 | 2.5 | 23 |

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|----|---|-----|----|
| 86 | Influence of transient flooding on methane fluxes from subtropical pastures. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 965-977 | 3.7 | 23 |
| 85 | Evaluating weather observations and the Climate Forecast System Reanalysis as inputs for hydrologic modelling in the tropics. <i>Hydrological Processes</i> , 2016 , 30, 3466-3477 | 3.3 | 22 |
| 84 | Roadside soils show low plant available zinc and copper concentrations. <i>Environmental Pollution</i> , 2016 , 209, 30-7 | 9.3 | 22 |
| 83 | Stream water nutrient and organic carbon exports from tropical headwater catchments at a soil degradation gradient. <i>Nutrient Cycling in Agroecosystems</i> , 2013 , 95, 145-158 | 3.3 | 22 |
| 82 | Controls Influencing the Treatment of Excess Agricultural Nitrate with Denitrifying Bioreactors. <i>Journal of Environmental Quality</i> , 2016 , 45, 772-8 | 3.4 | 22 |
| 81 | Hydrologic and Biogeochemical Drivers of Riparian Denitrification in an Agricultural Watershed. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1 | 2.6 | 20 |
| 80 | Modeling the hydrologic effects of roadside ditch networks on receiving waters. <i>Journal of Hydrology</i> , 2013 , 486, 293-305 | 6 | 20 |
| 79 | Modeling climate change impacts on the thermal dynamics of polymictic Oneida Lake, New York, United States. <i>Ecological Modelling</i> , 2015 , 300, 1-11 | 3 | 20 |
| 78 | Enhancement of seepage and lateral preferential flow by biopores on hillslopes. <i>Biologia (Poland)</i> , 2006 , 61, S225-S228 | 1.5 | 20 |
| 77 | Comment on Beyond the SCS-CN method: A theoretical framework for spatially lumped rainfall-runoff response by M. S. Bartlett et al.. <i>Water Resources Research</i> , 2017 , 53, 6345-6350 | 5.4 | 19 |
| 76 | A case study investigating temporal factors that influence microplastic concentration in streams under different treatment regimes. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 21797-21807 | 5.1 | 18 |
| 75 | Seasonal and Topographic Variations in Ecohydrological Separation Within a Small, Temperate, Snow-Influenced Catchment. <i>Water Resources Research</i> , 2019 , 55, 6417-6435 | 5.4 | 18 |
| 74 | Do Energy-Based PET Models Require More Input Data than Temperature-Based Models? [An Evaluation at Four Humid FluxNet Sites. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 497-508 | 2.1 | 18 |
| 73 | Assessing denitrification from seasonally saturated soils in an agricultural landscape: A farm-scale mass-balance approach. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 189, 60-69 | 5.7 | 18 |
| 72 | A Simple Process-Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model. <i>Journal of the American Water Resources Association</i> , 2012 , 48, 1151-1161 | 2.1 | 18 |
| 71 | A simple concept for calibrating runoff thresholds in quasi-distributed variable source area watershed models. <i>Hydrological Processes</i> , 2011 , 25, 3131-3143 | 3.3 | 18 |
| 70 | Simple Model of Changes in Stream Chloride Levels Attributable to Road Salt Applications. <i>Journal of Environmental Engineering, ASCE</i> , 2012 , 138, 112-118 | 2 | 18 |
| 69 | Environmental flows in the context of unconventional natural gas development in the Marcellus Shale. <i>Ecological Applications</i> , 2017 , 27, 37-55 | 4.9 | 17 |

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|----|---|------|----|
| 68 | Field Test of the Variable Source Area Interpretation of the Curve Number Rainfall-Runoff Equation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012 , 138, 235-244 | 1.1 | 17 |
| 67 | Apportionment of bioavailable phosphorus loads entering Cayuga Lake, New York. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 31-47 | 2.1 | 17 |
| 66 | Ecosystem impacts of disturbance in a dry tropical forest in southern India. <i>Ecohydrology</i> , 2008 , 1, 149-165 | 10.5 | 16 |
| 65 | Methane and nitrous oxide cycling microbial communities in soils above septic leach fields: Abundances with depth and correlations with net surface emissions. <i>Science of the Total Environment</i> , 2018 , 640-641, 429-441 | 10.2 | 15 |
| 64 | Possible Increases in Flood Frequency Due to the Loss of Eastern Hemlock in the Northeastern United States: Observational Insights and Predicted Impacts. <i>Water Resources Research</i> , 2019 , 55, 5342-5359 | 5.4 | 14 |
| 63 | Critical rainfall statistics for predicting watershed flood responses: rethinking the design storm concept. <i>Hydrological Processes</i> , 2016 , 30, 3788-3803 | 3.3 | 14 |
| 62 | SWATmodel: A Multi-Operating System, Multi-Platform SWAT Model Package in R. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 1349-1353 | 2.1 | 13 |
| 61 | Including Source-Specific Phosphorus Mobility in a Nonpoint Source Pollution Model for Agricultural Watersheds. <i>Journal of Environmental Engineering, ASCE</i> , 2009 , 135, 25-35 | 2 | 13 |
| 60 | Transport of lead and diesel fuel through a peat soil near Juneau, AK: a pilot study. <i>Journal of Contaminant Hydrology</i> , 2004 , 74, 1-18 | 3.9 | 13 |
| 59 | Fabrication, detection, and analysis of DNA-labeled PLGA particles for environmental transport studies. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 207-219 | 9.3 | 12 |
| 58 | Explaining and modeling the concentration and loading of Escherichia coli in a stream-A case study. <i>Science of the Total Environment</i> , 2018 , 635, 1426-1435 | 10.2 | 12 |
| 57 | Improving risk estimates of runoff producing areas: formulating variable source areas as a bivariate process. <i>Journal of Environmental Management</i> , 2014 , 137, 146-56 | 7.9 | 12 |
| 56 | Incorporating Variable Source Area Hydrology into a Spatially Distributed Direct Runoff Model1. <i>Journal of the American Water Resources Association</i> , 2012 , 48, 43-60 | 2.1 | 12 |
| 55 | Hydrologic State Influence on Riverine Flood Discharge for a Small Temperate Watershed (Fall Creek, United States): Negative Feedbacks on the Effects of Climate Change. <i>Journal of Hydrometeorology</i> , 2017 , 18, 431-449 | 3.7 | 11 |
| 54 | Streamlined eco-engineering approach helps define environmental flows for tropical Andean headwaters. <i>Freshwater Biology</i> , 2019 , 64, 1315-1325 | 3.1 | 11 |
| 53 | Modeling Potential Water Resource Impacts of Mediterranean Tourism in a Changing Climate. <i>Environmental Modeling and Assessment</i> , 2015 , 20, 117-128 | 2 | 11 |
| 52 | Hydrology of the Brooklyn Grange, an urban rooftop farm. <i>Urban Ecosystems</i> , 2018 , 21, 673-689 | 2.8 | 11 |
| 51 | Hudson River juvenile Blueback herring avoid ingesting microplastics. <i>Marine Pollution Bulletin</i> , 2019 , 146, 935-939 | 6.7 | 11 |

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|----|---|------|----|
| 50 | Residual phosphorus in runoff from successional forest on abandoned agricultural land: 1. Biogeochemical and hydrological processes. <i>Biogeochemistry</i> , 2001 , 55, 293-310 | 3.8 | 11 |
| 49 | Reassessing the relationship between landscape alteration and aquatic ecosystem degradation from a hydrologically sensitive area perspective. <i>Science of the Total Environment</i> , 2019 , 650, 2850-2862 | 10.2 | 11 |
| 48 | Short-term Forecasting Tools for Agricultural Nutrient Management. <i>Journal of Environmental Quality</i> , 2017 , 46, 1257-1269 | 3.4 | 10 |
| 47 | Closure to Simple Estimation of Prevalence of Hortonian Flow in New York City Watersheds by M. Todd Walter, Vishal K. Mehta, Alexis M. Marrone, Jan Boll, Pierre Gbard-Marchant, Tammo S. Steenhuis, and Michael F. Walter. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005 , 10, 169-170 | 1.8 | 10 |
| 46 | Particle tracer transport in a sloping soil lysimeter under periodic, steady state conditions. <i>Journal of Hydrology</i> , 2019 , 569, 61-76 | 6 | 10 |
| 45 | Release of Escherichia coli under raindrop impact: The role of clay. <i>Advances in Water Resources</i> , 2018 , 111, 1-5 | 4.7 | 10 |
| 44 | Estimating dominant runoff modes across the conterminous United States. <i>Hydrological Processes</i> , 2018 , 32, 3881-3890 | 3.3 | 10 |
| 43 | Compost Quality Recommendations for Remediating Urban Soils. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16, | 4.6 | 9 |
| 42 | Real-Time Forecast of Hydrologically Sensitive Areas in the Salmon Creek Watershed, New York State, Using an Online Prediction Tool. <i>Water (Switzerland)</i> , 2013 , 5, 917-944 | 3 | 9 |
| 41 | Modeling pollutant release from a surface source during rainfall runoff. <i>Journal of Environmental Quality</i> , 2001 , 30, 151-9 | 3.4 | 9 |
| 40 | Methane Emission in a Specific Riparian-Zone Sediment Decreased with Bioelectrochemical Manipulation and Corresponded to the Microbial Community Dynamics. <i>Frontiers in Microbiology</i> , 2015 , 6, 1523 | 5.7 | 9 |
| 39 | Modeling the release of Escherichia coli from soil into overland flow under raindrop impact. <i>Advances in Water Resources</i> , 2017 , 106, 144-153 | 4.7 | 8 |
| 38 | Perennial Grass Bioenergy Cropping on Wet Marginal Land: Impacts on Soil Properties, Soil Organic Carbon, and Biomass During Initial Establishment. <i>Bioenergy Research</i> , 2018 , 11, 262-276 | 3.1 | 8 |
| 37 | Topographic wetness guided dairy manure applications to reduce stream nutrient loads in Central New York, USA. <i>Journal of Hydrology: Regional Studies</i> , 2017 , 14, 67-82 | 3.6 | 8 |
| 36 | Landscape Scale Variation in Nitrous Oxide Flux Along a Typical Northeastern US Topographic Gradient in the Early Summer. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 1571-1580 | 2.6 | 8 |
| 35 | Relating hydrogeomorphic properties to stream buffering chemistry in the Neversink River watershed, New York State, USA. <i>Hydrological Processes</i> , 2010 , 24, 3759-3771 | 3.3 | 8 |
| 34 | The heavy metal budget of an urban rooftop farm. <i>Science of the Total Environment</i> , 2019 , 660, 115-125 | 10.2 | 8 |
| 33 | Potential Predictability of Regional Precipitation and Discharge Extremes Using Synoptic-Scale Climate Information via Machine Learning: An Evaluation for the Eastern Continental United States. <i>Journal of Hydrometeorology</i> , 2019 , 20, 883-900 | 3.7 | 7 |

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|----|--|------|---|
| 32 | Characteristics of impervious surface and its effect on direct runoff: a case study in a rapidly urbanized area. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 1885-1891 | 1.4 | 7 |
| 31 | Estimating long-term changes in actual evapotranspiration and water storage using a one-parameter model. <i>Journal of Hydrology</i> , 2014 , 519, 2312-2317 | 6 | 7 |
| 30 | Denitrifying bioreactor response during storm events. <i>Agricultural Water Management</i> , 2019 , 213, 1109-1115 | 3.1 | 7 |
| 29 | Does Population Affect the Location of Flash Flood Reports?. <i>Journal of Applied Meteorology and Climatology</i> , 2016 , 55, 1953-1963 | 2.7 | 6 |
| 28 | Critical Review of Polyphosphate and Polyphosphate Accumulating Organisms for Agricultural Water Quality Management. <i>Environmental Science & Technology</i> , 2021 , 55, 2722-2742 | 10.3 | 6 |
| 27 | Modeling denitrification in a changing climate. <i>Sustainability of Water Quality and Ecology</i> , 2015 , 5, 64-76 | | 5 |
| 26 | Designing Eco-Friendly Water Intake Portfolios in a Tropical Andean Stream Network. <i>Water Resources Research</i> , 2019 , 55, 6946-6967 | 5.4 | 5 |
| 25 | Comment on Bhaw SB, Riha S. 2011. Assessing temperature-based PET equations under a changing climate in temperate, deciduous forests. <i>Hydrological Processes</i> 25: 1466-1478. <i>Hydrological Processes</i> , 2013 , 27, 3511-3515 | 3.3 | 4 |
| 24 | Reducing adverse impacts of Amazon hydropower expansion.. <i>Science</i> , 2022 , 375, 753-760 | 33.3 | 4 |
| 23 | Rapid Remote Assessment of Culvert Flooding Risk. <i>Journal of Sustainable Water in the Built Environment</i> , 2020 , 6, 06020001 | 2.4 | 3 |
| 22 | Tracing Septic Pollution Sources Using Synthetic DNA Tracers: Proof of Concept. <i>Air, Soil and Water Research</i> , 2019 , 12, 117862211986379 | 3.3 | 3 |
| 21 | Internet mapping tools make scientific applications easy. <i>Eos</i> , 2006 , 87, 386 | 1.5 | 3 |
| 20 | Impacts of Coal Resource Development on Surface Water Quality in a Multi-jurisdictional Watershed in the Western United States. <i>Journal of Contemporary Water Research and Education</i> , 2020 , 169, 79-91 | 1.2 | 3 |
| 19 | Farmer perceptions of dairy farm antibiotic use and transport pathways as determinants of contaminant loads to the environment. <i>Journal of Environmental Management</i> , 2021 , 281, 111880 | 7.9 | 3 |
| 18 | Comparing Watershed Scale P Losses from Manure Spreading in Temperate Climates across Mechanistic Soil P Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019 , 24, 04019009 | 1.8 | 3 |
| 17 | Macroplastic accumulation in roadside ditches of New York State's Finger Lakes region (USA) across land uses and the COVID-19 pandemic. <i>Journal of Environmental Management</i> , 2021 , 298, 113524 | 7.9 | 3 |
| 16 | Reducing Stormwater Nitrogen with Denitrifying Bioreactors: Florida Case Study. <i>Journal of Sustainable Water in the Built Environment</i> , 2018 , 4, 06018002 | 2.4 | 2 |
| 15 | Modeling denitrification in an agricultural catchment in Central New York. <i>Sustainability of Water Quality and Ecology</i> , 2015 , 5, 49-63 | | 1 |

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| 14 | Simulation and statistical modelling approaches to investigate hydrologic regime transformations following Eastern hemlock decline. <i>Hydrological Processes</i> , 2020 , 34, 1198-1212 | 3.3 | 1 |
| 13 | A simple metric to predict stream water quality from storm runoff in an urban watershed. <i>Journal of Environmental Quality</i> , 2010 , 39, 1338-48 | 3.4 | 1 |
| 12 | Absence of genetic selection in a pathogenic Escherichia coli strain exposed to the manure-amended soil environment. <i>PLoS ONE</i> , 2018 , 13, e0208346 | 3.7 | 1 |
| 11 | Temperature dependence of daily respiration and reaeration rates during baseflow conditions in a northeastern U.S. stream. <i>Journal of Hydrology: Regional Studies</i> , 2018 , 19, 250-264 | 3.6 | 1 |
| 10 | Seasonal dynamics and exports of elements from a first-order stream to a large inland lake in Michigan. <i>Hydrological Processes</i> , 2019 , 33, 1476-1491 | 3.3 | 0 |
| 9 | Rainfall induced chemical transport from soil to runoff: theory and experiments. <i>Journal of Hydrology</i> , 2004 , 295, 291-291 | 6 | 0 |
| 8 | Comparing Greenhouse Gas Fluxes from Passive Urban Stormwater Management to Conventional Wastewater Treatment. <i>Journal of Sustainable Water in the Built Environment</i> , 2019 , 5, 04018017 | 2.4 | 0 |
| 7 | What You Net Depends on if You Grab: A Meta-analysis of Sampling Method's Impact on Measured Aquatic Microplastic Concentration. <i>Environmental Science & Technology</i> , 2021 , 55, 12930-12942 | 10.3 | 0 |
| 6 | A whole-ecosystem experiment reveals flow-induced shifts in a stream community.. <i>Communications Biology</i> , 2022 , 5, 420 | 6.7 | 0 |
| 5 | Vadose zone dynamics and the legacy of Wilford R. Gardner. <i>Transport in Porous Media</i> , 2007 , 68, 1-4 | 3.1 | |
| 4 | Closure to Simple Snowdrift Model for Distributed Hydrological Modeling by M. Todd Walter, Donald K. McCool, Larry G. King, Myron Molnau, and Gaylon S. Campbell. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005 , 10, 524-525 | 1.8 | |
| 3 | Hammond Hill Research Catchment: Supporting hydrologic investigations of rooting zone and vegetation water dynamics under climate change. <i>Hydrological Processes</i> , 2020 , 34, 4755-4758 | 3.3 | |
| 2 | Dairy farmer perceptions of antibiotic transport and usage in animal agriculture dataset. <i>Data in Brief</i> , 2021 , 35, 106785 | 1.2 | |
| 1 | Roadside ditch macroplastic and other litter dataset in the Finger lakes region across land uses and COVID-19 pandemic. <i>Data in Brief</i> , 2021 , 38, 107425 | 1.2 | |