

# M Todd Walter

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Reducing adverse impacts of Amazon hydropower expansion.. <i>Science</i> , <b>2022</b> , 375, 753-760	33.3	4
138	A whole-ecosystem experiment reveals flow-induced shifts in a stream community.. <i>Communications Biology</i> , <b>2022</b> , 5, 420	6.7	0
137	Farmer perceptions of dairy farm antibiotic use and transport pathways as determinants of contaminant loads to the environment. <i>Journal of Environmental Management</i> , <b>2021</b> , 281, 111880	7.9	3
136	Dairy farmer perceptions of antibiotic transport and usage in animal agriculture dataset. <i>Data in Brief</i> , <b>2021</b> , 35, 106785	1.2	
135	Critical Review of Polyphosphate and Polyphosphate Accumulating Organisms for Agricultural Water Quality Management. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 2722-2742	10.3	6
134	What You Net Depends on if You Grab: A Meta-analysis of Sampling Method's Impact on Measured Aquatic Microplastic Concentration. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12930-12942	10.3	0
133	Roadside ditch macroplastic and other litter dataset in the Finger lakes region across land uses and COVID-19 pandemic. <i>Data in Brief</i> , <b>2021</b> , 38, 107425	1.2	
132	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> , <b>2021</b> , 298, 113524	7.9	3
131	Rapid Remote Assessment of Culvert Flooding Risk. <i>Journal of Sustainable Water in the Built Environment</i> , <b>2020</b> , 6, 06020001	2.4	3
130	Simulation and statistical modelling approaches to investigate hydrologic regime transformations following Eastern hemlock decline. <i>Hydrological Processes</i> , <b>2020</b> , 34, 1198-1212	3.3	1
129	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> , <b>2020</b> , 169, 79-91	1.2	3
128	Hammond Hill Research Catchment: Supporting hydrologic investigations of rooting zone and vegetation water dynamics under climate change. <i>Hydrological Processes</i> , <b>2020</b> , 34, 4755-4758	3.3	
127	Compost Quality Recommendations for Remediating Urban Soils. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	9
126	A case study investigating temporal factors that influence microplastic concentration in streams under different treatment regimes. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 21797-21807	5.1	18
125	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> , <b>2019</b> , 55, 5342-5359	5.4	14
124	Streamlined eco-engineering approach helps define environmental flows for tropical Andean headwaters. <i>Freshwater Biology</i> , <b>2019</b> , 64, 1315-1325	3.1	11
123	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> , <b>2019</b> , 20, 883-900	3.7	7

122	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> , <b>2019</b> , 19, 1885-1891	1.4	7
121	Seasonal dynamics and exports of elements from a first-order stream to a large inland lake in Michigan. <i>Hydrological Processes</i> , <b>2019</b> , 33, 1476-1491	3.3	0
120	Metagenomic analysis reveals distinct patterns of denitrification gene abundance across soil moisture, nitrate gradients. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 1255-1266	5.2	26
119	Designing Eco-Friendly Water Intake Portfolios in a Tropical Andean Stream Network. <i>Water Resources Research</i> , <b>2019</b> , 55, 6946-6967	5.4	5
118	Seasonal and Topographic Variations in Ecohydrological Separation Within a Small, Temperate, Snow-Influenced Catchment. <i>Water Resources Research</i> , <b>2019</b> , 55, 6417-6435	5.4	18
117	Hudson River juvenile Blueback herring avoid ingesting microplastics. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 146, 935-939	6.7	11
116	Tracing Septic Pollution Sources Using Synthetic DNA Tracers: Proof of Concept. <i>Air, Soil and Water Research</i> , <b>2019</b> , 12, 117862211986379	3.3	3
115	Comparing Watershed Scale P Losses from Manure Spreading in Temperate Climates across Mechanistic Soil P Models. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2019</b> , 24, 04019009	1.8	3
114	The effect of dams on river transport of microplastic pollution. <i>Science of the Total Environment</i> , <b>2019</b> , 664, 834-840	10.2	76
113	Particle tracer transport in a sloping soil lysimeter under periodic, steady state conditions. <i>Journal of Hydrology</i> , <b>2019</b> , 569, 61-76	6	10
112	Denitrifying bioreactor response during storm events. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 1109-1115	3.1	7
111	The heavy metal budget of an urban rooftop farm. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 115-125	10.2	8
110	Comparing Greenhouse Gas Fluxes from Passive Urban Stormwater Management to Conventional Wastewater Treatment. <i>Journal of Sustainable Water in the Built Environment</i> , <b>2019</b> , 5, 04018017	2.4	0
109	Reassessing the relationship between landscape alteration and aquatic ecosystem degradation from a hydrologically sensitive area perspective. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2850-2862	10.2	11
108	Fabrication, detection, and analysis of DNA-labeled PLGA particles for environmental transport studies. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 207-219	9.3	12
107	Hydrology of the Brooklyn Grange, an urban rooftop farm. <i>Urban Ecosystems</i> , <b>2018</b> , 21, 673-689	2.8	11
106	Perennial Grass Bioenergy Cropping on Wet Marginal Land: Impacts on Soil Properties, Soil Organic Carbon, and Biomass During Initial Establishment. <i>Bioenergy Research</i> , <b>2018</b> , 11, 262-276	3.1	8
105	Explaining and modeling the concentration and loading of Escherichia coli in a stream-A case study. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 1426-1435	10.2	12

104	Plant-Microbe Interactions Drive Denitrification Rates, Dissolved Nitrogen Removal, and the Abundance of Denitrification Genes in Stormwater Control Measures. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 9320-9329	10.3	34
103	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> , <b>2018</b> , 15,	4.6	33
102	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> , <b>2018</b> , 640-641, 429-441	10.2	15
101	Release of Escherichia coli under raindrop impact: The role of clay. <i>Advances in Water Resources</i> , <b>2018</b> , 111, 1-5	4.7	10
100	Absence of genetic selection in a pathogenic Escherichia coli strain exposed to the manure-amended soil environment. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208346	3.7	1
99	Temperature dependence of daily respiration and reaeration rates during baseflow conditions in a northeastern U.S. stream. <i>Journal of Hydrology: Regional Studies</i> , <b>2018</b> , 19, 250-264	3.6	1
98	Estimating dominant runoff modes across the conterminous United States. <i>Hydrological Processes</i> , <b>2018</b> , 32, 3881-3890	3.3	10
97	Reducing Stormwater Nitrogen with Denitrifying Bioreactors: Florida Case Study. <i>Journal of Sustainable Water in the Built Environment</i> , <b>2018</b> , 4, 06018002	2.4	2
96	Effects of urbanization on direct runoff characteristics in urban functional zones. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 301-311	10.2	66
95	Modeling the release of Escherichia coli from soil into overland flow under raindrop impact. <i>Advances in Water Resources</i> , <b>2017</b> , 106, 144-153	4.7	8
94	Environmental flows in the context of unconventional natural gas development in the Marcellus Shale. <i>Ecological Applications</i> , <b>2017</b> , 27, 37-55	4.9	17
93	Ecohydrologic considerations for modeling of stable water isotopes in a small intermittent watershed. <i>Hydrological Processes</i> , <b>2017</b> , 31, 2438-2452	3.3	34
92	Short-term Forecasting Tools for Agricultural Nutrient Management. <i>Journal of Environmental Quality</i> , <b>2017</b> , 46, 1257-1269	3.4	10
91	The Role of Denitrification in Stormwater Detention Basin Treatment of Nitrogen. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7928-7935	10.3	39
90	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> , <b>2017</b> , 18, 431-449	3.7	11
89	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> , <b>2017</b> , 53, 10043-10064	5.4	32
88	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> , <b>2017</b> , 53, 6345-6350	5.4	19
87	N2O 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> , <b>2017</b> , 107, 335-353	3.3	51

86	Topographic wetness guided dairy manure applications to reduce stream nutrient loads in Central New York, USA. <i>Journal of Hydrology: Regional Studies</i> , <b>2017</b> , 14, 67-82	3.6	8
85	Does Population Affect the Location of Flash Flood Reports?. <i>Journal of Applied Meteorology and Climatology</i> , <b>2016</b> , 55, 1953-1963	2.7	6
84	Evaluating weather observations and the Climate Forecast System Reanalysis as inputs for hydrologic modelling in the tropics. <i>Hydrological Processes</i> , <b>2016</b> , 30, 3466-3477	3.3	22
83	Roadside soils show low plant available zinc and copper concentrations. <i>Environmental Pollution</i> , <b>2016</b> , 209, 30-7	9.3	22
82	Controls Influencing the Treatment of Excess Agricultural Nitrate with Denitrifying Bioreactors. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 772-8	3.4	22
81	Nutrient Cycling in Grassed Roadside Ditches and Lawns in a Suburban Watershed. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 1901-1909	3.4	24
80	Critical rainfall statistics for predicting watershed flood responses: rethinking the design storm concept. <i>Hydrological Processes</i> , <b>2016</b> , 30, 3788-3803	3.3	14
79	Influence of transient flooding on methane fluxes from subtropical pastures. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 965-977	3.7	23
78	Apportionment of bioavailable phosphorus loads entering Cayuga Lake, New York. <i>Journal of the American Water Resources Association</i> , <b>2016</b> , 52, 31-47	2.1	17
77	Modeling denitrification in a changing climate. <i>Sustainability of Water Quality and Ecology</i> , <b>2015</b> , 5, 64-76		5
76	Modeling denitrification in an agricultural catchment in Central New York. <i>Sustainability of Water Quality and Ecology</i> , <b>2015</b> , 5, 49-63		1
75	Hydrologic and Biogeochemical Drivers of Riparian Denitrification in an Agricultural Watershed. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	20
74	Modeling Potential Water Resource Impacts of Mediterranean Tourism in a Changing Climate. <i>Environmental Modeling and Assessment</i> , <b>2015</b> , 20, 117-128	2	11
73	Terrestrial pyrogenic carbon export to fluvial ecosystems: Lessons learned from the White Nile watershed of East Africa. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 1911-1928	5.9	25
72	Using concurrent DNA tracer injections to infer glacial flow pathways. <i>Hydrological Processes</i> , <b>2015</b> , 29, 5257-5274	3.3	28
71	Assessing the impact of drought and forestry on streamflows in south-eastern Australia using a physically based hydrological model. <i>Environmental Earth Sciences</i> , <b>2015</b> , 74, 6047-6063	2.9	30
70	Modeling climate change impacts on the thermal dynamics of polymictic Oneida Lake, New York, United States. <i>Ecological Modelling</i> , <b>2015</b> , 300, 1-11	3	20
69	Methane Emission in a Specific Riparian-Zone Sediment Decreased with Bioelectrochemical Manipulation and Corresponded to the Microbial Community Dynamics. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1523	5.7	9

68	Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , <b>2014</b> , 28, 5613-5623	3.3	229
67	Estimating long-term changes in actual evapotranspiration and water storage using a one-parameter model. <i>Journal of Hydrology</i> , <b>2014</b> , 519, 2312-2317	6	7
66	SWATmodel: A Multi-Operating System, Multi-Platform SWAT Model Package in R. <i>Journal of the American Water Resources Association</i> , <b>2014</b> , 50, 1349-1353	2.1	13
65	Improving risk estimates of runoff producing areas: formulating variable source areas as a bivariate process. <i>Journal of Environmental Management</i> , <b>2014</b> , 137, 146-56	7.9	12
64	Atrazine leaching from biochar-amended soils. <i>Chemosphere</i> , <b>2014</b> , 95, 346-52	8.4	67
63	Shallow groundwater denitrification in riparian zones of a headwater agricultural landscape. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 732-44	3.4	35
62	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> , <b>2014</b> , 50, 497-508	2.1	18
61	Assessing denitrification from seasonally saturated soils in an agricultural landscape: A farm-scale mass-balance approach. <i>Agriculture, Ecosystems and Environment</i> , <b>2014</b> , 189, 60-69	5.7	18
60	Hydrological impact of roadside ditches in an agricultural watershed in Central New York: implications for non-point source pollutant transport. <i>Hydrological Processes</i> , <b>2013</b> , 27, 2422-2437	3.3	46
59	Modeling the hydrologic effects of roadside ditch networks on receiving waters. <i>Journal of Hydrology</i> , <b>2013</b> , 486, 293-305	6	20
58	Stream water nutrient and organic carbon exports from tropical headwater catchments at a soil degradation gradient. <i>Nutrient Cycling in Agroecosystems</i> , <b>2013</b> , 95, 145-158	3.3	22
57	Roadside ditches as conduits of fecal indicator organisms and sediment: implications for water quality management. <i>Journal of Environmental Management</i> , <b>2013</b> , 128, 1050-9	7.9	24
56	A phosphorus index that combines critical source areas and transport pathways using a travel time approach. <i>Journal of Hydrology</i> , <b>2013</b> , 486, 123-135	6	51
55	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> , <b>2013</b> , 27, 3511-3515	3.3	4
54	Real-Time Forecast of Hydrologically Sensitive Areas in the Salmon Creek Watershed, New York State, Using an Online Prediction Tool. <i>Water (Switzerland)</i> , <b>2013</b> , 5, 917-944	3	9
53	Dissecting the variable source area concept [Subsurface flow pathways and water mixing processes in a hillslope. <i>Journal of Hydrology</i> , <b>2012</b> , 420-421, 125-141	6	48
52	A Simple Process-Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model1. <i>Journal of the American Water Resources Association</i> , <b>2012</b> , 48, 1151-1161	2.1	18
51	Hydrological tracers using nanobiotechnology: proof of concept. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8928-36	10.3	36

50	Field Test of the Variable Source Area Interpretation of the Curve Number Rainfall-Runoff Equation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 235-244	1.1	17
49	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> , <b>2012</b> , 223, 1571-1580	2.6	8
48	Incorporating Variable Source Area Hydrology into a Spatially Distributed Direct Runoff Model1. <i>Journal of the American Water Resources Association</i> , <b>2012</b> , 48, 43-60	2.1	12
47	Simple Model of Changes in Stream Chloride Levels Attributable to Road Salt Applications. <i>Journal of Environmental Engineering, ASCE</i> , <b>2012</b> , 138, 112-118	2	18
46	Stream Discharge in Tropical Headwater Catchments as a Result of Forest Clearing and Soil Degradation. <i>Earth Interactions</i> , <b>2012</b> , 16, 1-18	1.5	41
45	A simple concept for calibrating runoff thresholds in quasi-distributed variable source area watershed models. <i>Hydrological Processes</i> , <b>2011</b> , 25, 3131-3143	3.3	18
44	A simple metric to predict stream water quality from storm runoff in an urban watershed. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 1338-48	3.4	1
43	Relating hydrogeomorphic properties to stream buffering chemistry in the Neversink River watershed, New York State, USA. <i>Hydrological Processes</i> , <b>2010</b> , 24, 3759-3771	3.3	8
42	Including Source-Specific Phosphorus Mobility in a Nonpoint Source Pollution Model for Agricultural Watersheds. <i>Journal of Environmental Engineering, ASCE</i> , <b>2009</b> , 135, 25-35	2	13
41	New Paradigm for Sizing Riparian Buffers to Reduce Risks of Polluted Storm Water: Practical Synthesis. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2009</b> , 135, 200-209	1.1	23
40	Unusual seasonal patterns and inferred processes of nitrogen retention in forested headwaters of the Upper Susquehanna River. <i>Biogeochemistry</i> , <b>2009</b> , 93, 197-218	3.8	62
39	Improving runoff risk estimates: Formulating runoff as a bivariate process using the SCS curve number method. <i>Water Resources Research</i> , <b>2009</b> , 45,	5.4	26
38	Re-conceptualizing the soil and water assessment tool (SWAT) model to predict runoff from variable source areas. <i>Journal of Hydrology</i> , <b>2008</b> , 348, 279-291	6	200
37	Investigating a high resolution, stream chloride time series from the Biscuit Brook catchment, Catskills, NY. <i>Journal of Hydrology</i> , <b>2008</b> , 348, 245-256	6	35
36	Pore-scale quantification of colloid transport in saturated porous media. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 517-23	10.3	28
35	Combined monitoring and modeling indicate the most effective agricultural best management practices. <i>Journal of Environmental Quality</i> , <b>2008</b> , 37, 1798-809	3.4	42
34	Ecosystem impacts of disturbance in a dry tropical forest in southern India. <i>Ecohydrology</i> , <b>2008</b> , 1, 149-160	6.5	16
33	Impacts of disturbance on soil properties in a dry tropical forest in Southern India. <i>Ecohydrology</i> , <b>2008</b> , 1, 161-175	2.5	23

32	Reduced raindrop-impact driven soil erosion by infiltration. <i>Journal of Hydrology</i> , <b>2007</b> , 342, 331-335	6	34
31	Modeling soil solute release into runoff with infiltration. <i>Journal of Hydrology</i> , <b>2007</b> , 347, 430-437	6	46
30	Hydrologic assessment of an urban variable source watershed in the northeast United States. <i>Water Resources Research</i> , <b>2007</b> , 43,	5-4	48
29	Identifying dissolved phosphorus source areas and predicting transport from an urban watershed using distributed hydrologic modeling. <i>Water Resources Research</i> , <b>2007</b> , 43,	5-4	24
28	Incorporating variable source area hydrology into a curve-number-based watershed model. <i>Hydrological Processes</i> , <b>2007</b> , 21, 3420-3430	3-3	128
27	Vadose zone dynamics and the legacy of Wilford R. Gardner. <i>Transport in Porous Media</i> , <b>2007</b> , 68, 1-4	3-1	
26	Identifying hydrologically sensitive areas: bridging the gap between science and application. <i>Journal of Environmental Management</i> , <b>2006</b> , 78, 63-76	7-9	87
25	Internet mapping tools make scientific applications easy. <i>Eos</i> , <b>2006</b> , 87, 386	1-5	3
24	A physical model of particulate wash-off from rough impervious surfaces. <i>Journal of Hydrology</i> , <b>2006</b> , 327, 618-626	6	37
23	THE IMPACT OF RUNOFF GENERATION MECHANISMS ON THE LOCATION OF CRITICAL SOURCE AREAS1. <i>Journal of the American Water Resources Association</i> , <b>2006</b> , 42, 793-804	2-1	35
22	Defining probability of saturation with indicator kriging on hard and soft data. <i>Advances in Water Resources</i> , <b>2006</b> , 29, 181-193	4-7	43
21	Enhancement of seepage and lateral preferential flow by biopores on hillslopes. <i>Biologia (Poland)</i> , <b>2006</b> , 61, S225-S228	1-5	20
20	Process-based snowmelt modeling: does it require more input data than temperature-index modeling?. <i>Journal of Hydrology</i> , <b>2005</b> , 300, 65-75	6	116
19	Investigating raindrop effects on transport of sediment and non-sorbed chemicals from soil to surface runoff. <i>Journal of Hydrology</i> , <b>2005</b> , 308, 313-320	6	77
18	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 Gélard-Marchant, Tammo S. Steenhuis, and Michael F. Walter. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2005</b> , 10, 169-170	1-8	10
17	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> , <b>2005</b> , 10, 524-525	1-8	
16	Transport of lead and diesel fuel through a peat soil near Juneau, AK: a pilot study. <i>Journal of Contaminant Hydrology</i> , <b>2004</b> , 74, 1-18	3-9	13
15	Application of SMR to Modeling Watersheds in the Catskill Mountains. <i>Environmental Modeling and Assessment</i> , <b>2004</b> , 9, 77-89	2	44



14	Using a topographic index to distribute variable source area runoff predicted with the SCS curve-number equation. <i>Hydrological Processes</i> , <b>2004</b> , 18, 2757-2771	3.3	119
13	Rainfall induced chemical transport from soil to runoff: theory and experiments. <i>Journal of Hydrology</i> , <b>2004</b> , 295, 291-291	6	0
12	Rainfall induced chemical transport from soil to runoff: theory and experiments. <i>Journal of Hydrology</i> , <b>2004</b> , 295, 291-304	6	87
11	Increasing Evapotranspiration from the Conterminous United States. <i>Journal of Hydrometeorology</i> , <b>2004</b> , 5, 405-408	3.7	115
10	A soil-water-balance approach to quantify groundwater recharge from irrigated cropland in the North China Plain. <i>Hydrological Processes</i> , <b>2003</b> , 17, 2011-2031	3.3	183
9	Estimating basin-wide hydraulic parameters of a semi-arid mountainous watershed by recession-flow analysis. <i>Journal of Hydrology</i> , <b>2003</b> , 279, 57-69	6	84
8	Funneled flow mechanisms in layered soil: field investigations. <i>Journal of Hydrology</i> , <b>2003</b> , 279, 210-223	6	27
7	Simple Estimation of Prevalence of Hortonian Flow in New York City Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2003</b> , 8, 214-218	1.8	59
6	Refined conceptualization of TOPMODEL for shallow subsurface flows. <i>Hydrological Processes</i> , <b>2002</b> , 16, 2041-2046	3.3	67
5	Linking the pacific decadal oscillation to seasonal stream discharge patterns in Southeast Alaska. <i>Journal of Hydrology</i> , <b>2002</b> , 263, 188-197	6	87
4	Residual phosphorus in runoff from successional forest on abandoned agricultural land: 1. Biogeochemical and hydrological processes. <i>Biogeochemistry</i> , <b>2001</b> , 55, 293-310	3.8	11
3	Modeling pollutant release from a surface source during rainfall runoff. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 151-9	3.4	9
2	PHOSPHORUS TRANSPORT INTO SUBSURFACE DRAINS BY MACROPORES AFTER MANURE APPLICATIONS: IMPLICATIONS FOR BEST MANURE MANAGEMENT PRACTICES. <i>Soil Science</i> , <b>2001</b> , 166, 896-909	0.9	94
1	A GIS-based variable source area hydrology model. <i>Hydrological Processes</i> , <b>1999</b> , 13, 805-822	3.3	153