

Tammo Steenhuis

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.

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|--------------------|-------------------------|----------------|-----------------|
| 231 papers | 6,502 citations | 44 h-index | 68 g-index |
| 258 ext. papers | 7,338 ext. citations | 3.7 avg, IF | 5.79 L-index |

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 231 | Topography Impacts Hydrology in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022 , 14, 196 | 3 | 0 |
| 230 | Establishing StageDischarge Rating Curves in Developing Countries: Lake Tana Basin, Ethiopia. <i>Hydrology</i> , 2022 , 9, 13 | 2.8 | 2 |
| 229 | Conservation and Conventional Vegetable Cultivation Increase Soil Organic Matter and Nutrients in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022 , 14, 476 | 3 | 0 |
| 228 | Berken plow and intercropping with pigeon pea ameliorate degraded soils with a hardpan in the Ethiopian highlands. <i>Geoderma</i> , 2022 , 407, 115523 | 6.7 | 1 |
| 227 | Evaluating Irrigation and Farming Systems with Solar MajiPump in Ethiopia. <i>Agronomy</i> , 2021 , 11, 17 | 3.6 | 2 |
| 226 | Sediment deposition (1940-2017) in a historically pristine lake in a rapidly developing tropical highland region in Ethiopia. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 1521-1535 | 3.7 | 1 |
| 225 | Estimating Surface and Groundwater Irrigation Potential under Different Conservation Agricultural Practices and Irrigation Systems in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2021 , 13, 1645 | 3 | 3 |
| 224 | Ecological Status as the Basis for the Holistic Environmental Flow Assessment of a Tropical Highland River in Ethiopia. <i>Water (Switzerland)</i> , 2021 , 13, 1913 | 3 | 2 |
| 223 | Revisiting Daily MODIS Evapotranspiration Algorithm Using Flux Tower Measurements in China. <i>Earth and Space Science</i> , 2021 , 8, e2021EA001818 | 3.1 | 0 |
| 222 | Bottom Sediment Characteristics of a Tropical Lake: Lake Tana, Ethiopia. <i>Hydrology</i> , 2020 , 7, 18 | 2.8 | 4 |
| 221 | Hydrogeology of Volcanic Highlands Affects Prioritization of Land Management Practices. <i>Water (Switzerland)</i> , 2020 , 12, 2702 | 3 | 6 |
| 220 | Water Balance for a Tropical Lake in the Volcanic Highlands: Lake Tana, Ethiopia. <i>Water (Switzerland)</i> , 2020 , 12, 2737 | 3 | 5 |
| 219 | Exclosures improve degraded landscapes in the sub-humid Ethiopian Highlands: the Ferenj Wuha watershed. <i>Journal of Environmental Management</i> , 2020 , 270, 110802 | 7.9 | 6 |
| 218 | Bank stability and toe erosion model as a decision tool for gully bank stabilization in sub humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2020 , 20, 301-311 | 2.8 | 6 |
| 217 | Can degraded soils be improved by ripping through the hardpan and liming? A field experiment in the humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2020 , 31, 2047-2059 | 4.4 | 7 |
| 216 | Hydrological Foundation as a Basis for a Holistic Environmental Flow Assessment of Tropical Highland Rivers in Ethiopia. <i>Water (Switzerland)</i> , 2020 , 12, 547 | 3 | 11 |
| 215 | A nine-year study on the benefits and risks of soil and water conservation practices in the humid highlands of Ethiopia: The Debre Mawi watershed. <i>Journal of Environmental Management</i> , 2020 , 270, 110885 | 7.9 | 10 |

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| 214 | Experimental Evaluation for the Impacts of Conservation Agriculture with Drip Irrigation on Crop Coefficient and Soil Properties in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2020 , 12, 947 | 3 | 10 |
| 213 | Impact of Land Use and Landscape on Runoff and Sediment in the Sub-humid Ethiopian Highlands: The Ene-Chilala Watershed. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020 , 268-278 | 0.2 | |
| 212 | Preface to the special issue on biohydrology dedicated to the memory of Dr. Louis W. Dekker. <i>Journal of Hydrology and Hydromechanics</i> , 2020 , 68, 303-305 | 2.1 | |
| 211 | Connecting hillslope and runoff generation processes in the Ethiopian Highlands: The Ene-Chilala watershed. <i>Journal of Hydrology and Hydromechanics</i> , 2020 , 68, 313-327 | 2.1 | 3 |
| 210 | A field-validated surrogate crop model for predicting root-zone moisture and salt content in regions with shallow groundwater. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 4213-4237 | 5.5 | 5 |
| 209 | Assessing Digital Soil Inventories for Predicting Streamflow in the Headwaters of the Blue Nile. <i>Hydrology</i> , 2020 , 7, 8 | 2.8 | 4 |
| 208 | Establishing irrigation potential of a hillside aquifer in the African highlands. <i>Hydrological Processes</i> , 2020 , 34, 1741-1753 | 3.3 | 13 |
| 207 | Transport and Retention Behaviors of Deformable Polyacrylamide Microspheres in Convergent-Divergent Microchannels. <i>Environmental Science & Technology</i> , 2020 , 54, 10876-10884 | 10.3 | 7 |
| 206 | The Relationship of Lake Morphometry and Phosphorus Dynamics of a Tropical Highland Lake: Lake Tana, Ethiopia. <i>Water (Switzerland)</i> , 2020 , 12, 2243 | 3 | 3 |
| 205 | The Response of Water and Nutrient Dynamics and of Crop Yield to Conservation Agriculture in the Ethiopian Highlands. <i>Sustainability</i> , 2020 , 12, 5989 | 3.6 | 5 |
| 204 | Groundwater use of a small Eucalyptus patch during the dry monsoon phase. <i>Biologia (Poland)</i> , 2020 , 75, 853-864 | 1.5 | 8 |
| 203 | Biochar acting as an electron acceptor reduces nitrate removal in woodchip denitrifying bioreactors. <i>Ecological Engineering</i> , 2020 , 149, 105724 | 3.9 | 6 |
| 202 | Variability of soil surface characteristics in a mountainous watershed in Valle del Cauca, Colombia: Implications for runoff, erosion, and conservation. <i>Journal of Hydrology</i> , 2019 , 576, 273-286 | 6 | 6 |
| 201 | Application of denitrifying bioreactors for the removal of atrazine in agricultural drainage water. <i>Journal of Environmental Management</i> , 2019 , 239, 48-56 | 7.9 | 8 |
| 200 | Predicting the Fate of Preferentially Moving Herbicides. <i>Vadose Zone Journal</i> , 2019 , 18, 1-11 | 2.7 | |
| 199 | Revisiting SWAT as a Saturation-Excess Runoff Model. <i>Water (Switzerland)</i> , 2019 , 11, 1427 | 3 | 7 |
| 198 | A unique vadose zone model for shallow aquifers: the Hetao irrigation district, China. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 3097-3115 | 5.5 | 2 |
| 197 | Assessment of Suitable Land for Surface Irrigation in Ungauged Catchments: Blue Nile Basin, Ethiopia. <i>Water (Switzerland)</i> , 2019 , 11, 1465 | 3 | 9 |

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| 196 | Conservation Agriculture Saves Irrigation Water in the Dry Monsoon Phase in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019 , 11, 2103 | 3 | 10 |
| 195 | The Effect of Landscape Interventions on Groundwater Flow and Surface Runoff in a Watershed in the Upper Reaches of the Blue Nile. <i>Water (Switzerland)</i> , 2019 , 11, 2188 | 3 | 8 |
| 194 | Causes and Controlling Factors of Valley Bottom Gullies. <i>Land</i> , 2019 , 8, 141 | 3.5 | 21 |
| 193 | Deep Tillage Improves Degraded Soils in the (Sub) Humid Ethiopian Highlands. <i>Land</i> , 2019 , 8, 159 | 3.5 | 14 |
| 192 | Predicting Shallow Groundwater Tables for Sloping Highland Aquifers. <i>Water Resources Research</i> , 2019 , 55, 11088-11100 | 5.4 | 11 |
| 191 | Impact of Soil Conservation and Eucalyptus on Hydrology and Soil Loss in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019 , 11, 2299 | 3 | 15 |
| 190 | Erosion hotspot identification in the sub-humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 146-154 | 2.8 | 21 |
| 189 | Evaluating infiltration models and pedotransfer functions: Implications for hydrologic modeling. <i>Geoderma</i> , 2019 , 338, 159-169 | 6.7 | 16 |
| 188 | Sensitivity analysis of the parameter-efficient distributed (PED) model for discharge and sediment concentration estimation in degraded humid landscapes. <i>Land Degradation and Development</i> , 2019 , 30, 151-165 | 4.4 | 1 |
| 187 | Antecedent and Post-Application Rain Events Trigger Glyphosate Transport from Runoff-Prone Soils. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 249-254 | 11 | 6 |
| 186 | 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 |
| 185 | Root reinforcement to soils provided by common Ethiopian highland plants for gully erosion control. <i>Ecohydrology</i> , 2018 , 11, e1940 | 2.5 | 20 |
| 184 | Gullies, a critical link in landscape soil loss: A case study in the subhumid highlands of Ethiopia. <i>Land Degradation and Development</i> , 2018 , 29, 1222-1232 | 4.4 | 25 |
| 183 | Evaluating hydrologic responses to soil characteristics using SWAT model in a paired-watersheds in the Upper Blue Nile Basin. <i>Catena</i> , 2018 , 163, 332-341 | 5.8 | 35 |
| 182 | Budgeting suspended sediment fluxes in tropical monsoonal watersheds with limited data: the Lake Tana basin. <i>Journal of Hydrology and Hydromechanics</i> , 2018 , 66, 65-78 | 2.1 | 22 |
| 181 | Developing Soil Conservation Strategies with Technical and Community Knowledge in a Degrading Sub-Humid Mountainous Landscape. <i>Land Degradation and Development</i> , 2018 , 29, 749-764 | 4.4 | 11 |
| 180 | Performance of bias corrected MPEG rainfall estimate for rainfall-runoff simulation in the upper Blue Nile Basin, Ethiopia. <i>Journal of Hydrology</i> , 2018 , 556, 1182-1191 | 6 | 33 |
| 179 | Effect of Peri-urban Development and Lithology on Streamflow in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2018 , 29, 1141-1153 | 4.4 | 14 |

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| 178 | Watershed modeling for reducing future non-point source sediment and phosphorus load in the Lake Tana Basin, Ethiopia. <i>Journal of Soils and Sediments</i> , 2018 , 18, 309-322 | 3.4 | 12 |
| 177 | Assessment of Nitrate in Wells and Springs in the North Central Ethiopian Highlands. <i>Water (Switzerland)</i> , 2018 , 10, 476 | 3 | 7 |
| 176 | Evaluating erosion control practices in an actively gully watershed in the highlands of Ethiopia. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 2835-2843 | 3.7 | 18 |
| 175 | The effect of input data resolution and complexity on the uncertainty of hydrological predictions in a humid vegetated watershed. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5947-5965 | 5.5 | 7 |
| 174 | Assessment of Practices for Controlling Shallow Valley-Bottom Gullies in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2018 , 10, 389 | 3 | 6 |
| 173 | Detection of glyphosate residues in companion animal feeds. <i>Environmental Pollution</i> , 2018 , 243, 1113-1118 | 3.8 | 28 |
| 172 | Modeling sediment concentration and discharge variations in a small Ethiopian watershed with contributions from an unpaved road. <i>Journal of Hydrology and Hydromechanics</i> , 2017 , 65, 1-17 | 2.1 | 13 |
| 171 | Deficit irrigation enhances contribution of shallow groundwater to crop water consumption in arid area. <i>Agricultural Water Management</i> , 2017 , 185, 116-125 | 5.9 | 25 |
| 170 | Spatial and Temporal Trends of Recent Dissolved Phosphorus Concentrations in Lake Tana and its Four Main Tributaries. <i>Land Degradation and Development</i> , 2017 , 28, 1742-1751 | 4.4 | 10 |
| 169 | Modeling discharge and sediment concentrations after landscape interventions in a humid monsoon climate: The Anjeni watershed in the highlands of Ethiopia. <i>Hydrological Processes</i> , 2017 , 31, 1239-1257 | 3.3 | 17 |
| 168 | Inert Carbon Nanoparticles for the Assessment of Preferential Flow in Saturated Dual-Permeability Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7365-7374 | 3.9 | 4 |
| 167 | Predicting saturation-excess runoff distribution with a lumped hillslope model: SWAT-HS. <i>Hydrological Processes</i> , 2017 , 31, 2226-2243 | 3.3 | 26 |
| 166 | Shift from transport limited to supply limited sediment concentrations with the progression of monsoon rains in the Upper Blue Nile Basin. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1317-1328 | 3.7 | 11 |
| 165 | Modeling contribution of shallow groundwater to evapotranspiration and yield of maize in an arid area. <i>Scientific Reports</i> , 2017 , 7, 43122 | 4.9 | 21 |
| 164 | Characterization of Degraded Soils in the Humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017 , 28, 1891-1901 | 4.4 | 28 |
| 163 | Groundwater Evaporation and Recharge for a Floodplain in a Sub-humid Monsoon Climate in Ethiopia. <i>Land Degradation and Development</i> , 2017 , 28, 1831-1841 | 4.4 | 12 |
| 162 | Gully Head Retreat in the Sub-Humid Ethiopian Highlands: The Ene-Chilala Catchment. <i>Land Degradation and Development</i> , 2017 , 28, 1579-1588 | 4.4 | 26 |
| 161 | Spatio-temporal patterns of groundwater depths and soil nutrients in a small watershed in the Ethiopian highlands: Topographic and land-use controls. <i>Journal of Hydrology</i> , 2017 , 555, 420-434 | 6 | 11 |

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| 160 | Hotspots of Nitrous Oxide Emission in Fertilized and Unfertilized Perennial Grasses. <i>Soil Science Society of America Journal</i> , 2017 , 81, 450-458 | 2.5 | 6 |
| 159 | Effects of land use on catchment runoff and soil loss in the sub-humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2017 , 17, 274-282 | 2.8 | 16 |
| 158 | Seasonal performance of denitrifying bioreactors in the Northeastern United States: Field trials. <i>Journal of Environmental Management</i> , 2017 , 202, 242-253 | 7.9 | 32 |
| 157 | Sediment Loss Patterns in the Sub-Humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017 , 28, 1795-1805 | 4.4 | 21 |
| 156 | Effect of Ionic Strength on the Transport and Retention of Polyacrylamide Microspheres in Reservoir Water Shutoff Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8158-8168 | 3.9 | 26 |
| 155 | Suitability of Watershed Models to Predict Distributed Hydrologic Response in the Awramba Watershed in Lake Tana Basin. <i>Land Degradation and Development</i> , 2017 , 28, 1386-1397 | 4.4 | 22 |
| 154 | Long-Term Landscape Changes in the Lake Tana Basin as Evidenced by Delta Development and Floodplain Aggradation in Ethiopia. <i>Land Degradation and Development</i> , 2017 , 28, 1820-1830 | 4.4 | 18 |
| 153 | Mitigating Groundwater Depletion in North China Plain with Cropping System that Alternate Deep and Shallow Rooted Crops. <i>Frontiers in Plant Science</i> , 2017 , 8, 980 | 6.2 | 15 |
| 152 | Impact of Soil Depth and Topography on the Effectiveness of Conservation Practices on Discharge and Soil Loss in the Ethiopian Highlands. <i>Land</i> , 2017 , 6, 78 | 3.5 | 13 |
| 151 | Modeling Regional Soil Water Balance in Farmland of the Middle Reaches of Heihe River Basin. <i>Water (Switzerland)</i> , 2017 , 9, 847 | 3 | 6 |
| 150 | Sustainable Water Management in the Tourism Economy: Linking the Mediterranean Traditional Rainwater Cisterns to Modern Needs. <i>Water (Switzerland)</i> , 2017 , 9, 868 | 3 | 10 |
| 149 | Effect of Gully Headcut Treatment on Sediment Load and Gully Expansion in the Sub Humid Ethiopian Highlands. <i>Environment and Ecology Research</i> , 2017 , 5, 138-144 | 1 | 10 |
| 148 | Groundwater Quality in an Upland Agricultural Watershed in the Sub-Humid Ethiopian Highlands. <i>Journal of Water Resource and Protection</i> , 2017 , 09, 1199-1212 | 0.7 | 10 |
| 147 | Predicting Reference Evaporation for the Ethiopian Highlands. <i>Journal of Water Resource and Protection</i> , 2017 , 09, 1244-1269 | 0.7 | 9 |
| 146 | Water Quality Assessment by Measuring and Using Landsat 7 ETM+ Images for the Current and Previous Trend Perspective: Lake Tana Ethiopia. <i>Journal of Water Resource and Protection</i> , 2017 , 09, 1564-1585 | 0.7 | 9 |
| 145 | Improving watershed management practices in humid regions. <i>Hydrological Processes</i> , 2017 , 31, 3294-3303 | 3.3 | 17 |
| 144 | Non-Point Source Pollution of Dissolved Phosphorus in the Ethiopian Highlands: The Awramba Watershed Near Lake Tana. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 703-709 | 1.6 | 12 |
| 143 | Impact of urban development on streamflow regime of a Portuguese peri-urban Mediterranean catchment. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2580-2593 | 3.4 | 19 |

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| 142 | Controls Influencing the Treatment of Excess Agricultural Nitrate with Denitrifying Bioreactors. <i>Journal of Environmental Quality</i> , 2016 , 45, 772-8 | 3.4 | 22 |
| 141 | Effects of a deep-rooted crop and soil amended with charcoal on spatial and temporal runoff patterns in a degrading tropical highland watershed. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 875-885 | 5.5 | 19 |
| 140 | Morphological dynamics of gully systems in the sub-humid Ethiopian Highlands: The Debre Mawi watershed 2016 , | | 1 |
| 139 | Calculating the sediment budget of a tropical lake in the Blue Nile basin: Lake Tana 2016 , | | 12 |
| 138 | Sediment concentration rating curves for a monsoonal climate: upper Blue Nile. <i>Soil</i> , 2016 , 2, 337-349 | 5.8 | 16 |
| 137 | Morphological dynamics of gully systems in the subhumid Ethiopian Highlands: the Debre Mawi watershed. <i>Soil</i> , 2016 , 2, 443-458 | 5.8 | 43 |
| 136 | Nitrous Oxide and Methane Fluxes from Smallholder Farms: A Scoping Study in the Anjeni Watershed. <i>Climate</i> , 2016 , 4, 62 | 3.1 | 2 |
| 135 | Spring-Thaw Nitrous Oxide Emissions from Reed Canarygrass on Wetness-Prone Marginal Soil in New York State. <i>Soil Science Society of America Journal</i> , 2016 , 80, 428-437 | 2.5 | 1 |
| 134 | A Biophysical and Economic Assessment of a Community-based Rehabilitated Gully in the Ethiopian Highlands. <i>Land Degradation and Development</i> , 2016 , 27, 270-280 | 4.4 | 43 |
| 133 | Revisiting storm runoff processes in the upper Blue Nile basin: The Debre Mawi watershed. <i>Catena</i> , 2016 , 143, 47-56 | 5.8 | 26 |
| 132 | Distributed discharge and sediment concentration predictions in the sub-humid Ethiopian highlands: the Debre Mawi watershed. <i>Hydrological Processes</i> , 2015 , 29, 1817-1828 | 3.3 | 43 |
| 131 | Untapped Potential: Opportunities and Challenges for Sustainable Bioenergy Production from Marginal Lands in the Northeast USA. <i>Bioenergy Research</i> , 2015 , 8, 482-501 | 3.1 | 59 |
| 130 | Morphological changes of Gumara River channel over 50 years, upper Blue Nile basin, Ethiopia. <i>Journal of Hydrology</i> , 2015 , 525, 152-164 | 6 | 50 |
| 129 | Variable Source Area Hydrology Modeling with the Water Erosion Prediction Project Model. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 330-342 | 2.1 | 18 |
| 128 | Evaluation of stream water quality data generated from MODIS images in modeling total suspended solid emission to a freshwater lake. <i>Science of the Total Environment</i> , 2015 , 523, 170-7 | 10.2 | 23 |
| 127 | Assessing the potential of biochar and charcoal to improve soil hydraulic properties in the humid Ethiopian Highlands: The Anjeni watershed. <i>Geoderma</i> , 2015 , 243-244, 115-123 | 6.7 | 57 |
| 126 | Assessment of surface water irrigation potential in the Ethiopian highlands: The Lake Tana Basin. <i>Catena</i> , 2015 , 129, 76-85 | 5.8 | 48 |
| 125 | Agricultural BMP Effectiveness and Dominant Hydrological Flow Paths: Concepts and a Review. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 305-329 | 2.1 | 39 |

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| 124 | Featured Collection Introduction: Synthesis and Analysis of Conservation Effects Assessment Projects for Improved Water Quality. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 302-304 | 2.1 | 1 |
| 123 | Assessing the potential of MODIS/Terra version 5 images to improve near shore lake bathymetric surveys. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015 , 36, 13-21 | 7.3 | 10 |
| 122 | Impact of conservation practices on runoff and soil loss in the sub-humid Ethiopian Highlands: The Debre Mawi watershed. <i>Journal of Hydrology and Hydromechanics</i> , 2015 , 63, 210-219 | 2.1 | 78 |
| 121 | Improving efficacy of landscape interventions in the (sub) humid Ethiopian highlands by improved understanding of runoff processes. <i>Frontiers in Earth Science</i> , 2015 , 3, | 3.5 | 17 |
| 120 | Recharge and groundwater use in the North China Plain for six irrigated crops for an eleven year period. <i>PLoS ONE</i> , 2015 , 10, e0115269 | 3.7 | 47 |
| 119 | Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , 2014 , 28, 5613-5623 | 3.3 | 229 |
| 118 | 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 |
| 117 | Combined effect of soil bund with biological soil and water conservation measures in the northwestern Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2014 , 14, 192-199 | 2.8 | 62 |
| 116 | Evaluating suitability of MODIS-Terra images for reproducing historic sediment concentrations in water bodies: Lake Tana, Ethiopia. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014 , 26, 286-297 | 7.3 | 38 |
| 115 | Capillary pressure overshoot for unstable wetting fronts is explained by Hoffman's velocity-dependent contact-angle relationship. <i>Water Resources Research</i> , 2014 , 50, 5290-5297 | 5.4 | 13 |
| 114 | Learning from the scientific legacies of W. Brutsaert and J.-Y. Parlange. <i>Water Resources Research</i> , 2014 , 50, 1856-1857 | 5.4 | |
| 113 | Comparison of rainfall estimations by TRMM 3B42, MPEG and CFSR with ground-observed data for the Lake Tana basin in Ethiopia. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 4871-4881 | 5.5 | 85 |
| 112 | Biohydrology of low flows in the humid Ethiopian highlands: The Gilgel Abay catchment. <i>Biologia (Poland)</i> , 2014 , 69, 1502-1509 | 1.5 | 22 |
| 111 | Evaluation of spatial interpolation methods for groundwater level in an arid inland oasis, northwest China. <i>Environmental Earth Sciences</i> , 2014 , 71, 1911-1924 | 2.9 | 43 |
| 110 | Spatial evidence of cross-crop pesticide contamination in small-holder Thai farms. <i>Agronomy for Sustainable Development</i> , 2014 , 34, 773-782 | 6.8 | 2 |
| 109 | Soil Erosion and Discharge in the Blue Nile Basin: Trends and Challenges 2014 , 133-147 | | 6 |
| 108 | Spatial and Temporal Patterns of Soil Erosion in the Semi-humid Ethiopian Highlands: A Case Study of Debre Mawi Watershed 2014 , 149-163 | | 17 |
| 107 | Streamflow Responses to Climate Change: Analysis of Hydrologic Indicators in a New York City Water Supply Watershed. <i>Journal of the American Water Resources Association</i> , 2013 , 49, 1308-1326 | 2.1 | 28 |

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| 106 | Determinants of household participation in the management of rural water supply systems: A case from Ethiopia. <i>Water Policy</i> , 2013 , 15, 985-1000 | 1.6 | 7 |
| 105 | Evaluating the bio-hydrological impact of a cloud forest in Central America using a semi-distributed water balance model. <i>Journal of Hydrology and Hydromechanics</i> , 2013 , 61, 9-20b | 2.1 | 24 |
| 104 | Pore scale consideration in unstable gravity driven finger flow. <i>Water Resources Research</i> , 2013 , 49, 7815-7819 | 5.4 | 13 |
| 103 | Rain-on-snow runoff events in New York. <i>Hydrological Processes</i> , 2013 , 27, 3035-3049 | 3.3 | 31 |
| 102 | Eco-hydrological impacts of Eucalyptus in the semi humid Ethiopian Highlands: the Lake Tana Plain. <i>Journal of Hydrology and Hydromechanics</i> , 2013 , 61, 21-29b | 2.1 | 38 |
| 101 | Suspended sediment concentration–discharge relationships in the (sub-) humid Ethiopian highlands. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1067-1077 | 5.5 | 64 |
| 100 | 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 |
| 99 | A Saturation Excess Erosion Model. <i>Transactions of the ASABE</i> , 2013 , 56, 681-695 | 0.9 | 30 |
| 98 | A Saturated Excess Runoff Pedotransfer Function for Vegetated Watersheds. <i>Vadose Zone Journal</i> , 2013 , 12, vzj2013.03.0060 | 2.7 | 22 |
| 97 | Rainfall Runoff Relationships for a Cloud Forest Watershed in Central America: Implications for Water Resource Engineering1. <i>Journal of the American Water Resources Association</i> , 2012 , 48, 1022-1031 | 2.1 | 7 |
| 96 | Dissecting the variable source area concept I Subsurface flow pathways and water mixing processes in a hillslope. <i>Journal of Hydrology</i> , 2012 , 420-421, 125-141 | 6 | 48 |
| 95 | 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> , 2012 , 48, 1151-1161 | 2.1 | 18 |
| 94 | 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 |
| 93 | Economic analysis of best management practices to reduce watershed phosphorus losses. <i>Journal of Environmental Quality</i> , 2012 , 41, 855-64 | 3.4 | 17 |
| 92 | Estimation of Small Reservoir Storage Capacities with Remote Sensing in the Brazilian Savannah Region. <i>Water Resources Management</i> , 2012 , 26, 873-882 | 3.7 | 70 |
| 91 | Temporal Variability of Nitrous Oxide from Fertilized Croplands: Hot Moment Analysis. <i>Soil Science Society of America Journal</i> , 2012 , 76, 1728-1740 | 2.5 | 52 |
| 90 | Development and application of a physically based landscape water balance in the SWAT model. <i>Hydrological Processes</i> , 2011 , 25, 915-925 | 3.3 | 84 |
| 89 | 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 |

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| 88 | COMPARISON OF LANDUSE AND LANDCOVER CHANGES, DRIVERS AND IMPACTS FOR A MOISTURE-SUFFICIENT AND DROUGHT-PRONE REGION IN THE ETHIOPIAN HIGHLANDS. <i>Experimental Agriculture</i> , 2011 , 47, 71-83 | 1.7 | 5 |
| 87 | Nitrous Oxide from Heterogeneous Agricultural Landscapes: Source Contribution Analysis by Eddy Covariance and Chambers. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1829-1838 | 2.5 | 33 |
| 86 | Watershed Hydrology of the (Semi) Humid Ethiopian Highlands 2011 , 145-162 | | 23 |
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