

Tammo Steenhuis

List of Publications by Citations

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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.

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	Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , 2014 , 28, 5613-5623	3.3	229
230	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
229	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
228	SCS Runoff Equation Revisited for Variable-Source Runoff Areas. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1995 , 121, 234-238	1.1	171
227	Preferential Flow in Water-Repellent Sands. <i>Soil Science Society of America Journal</i> , 1998 , 62, 1185-1190	2.5	159
226	Groundwater recharge from irrigated cropland in the North China Plain: case study of Luancheng County, Hebei Province, 1949-2000. <i>Hydrological Processes</i> , 2004 , 18, 2289-2302	3.3	155
225	A GIS-based variable source area hydrology model. <i>Hydrological Processes</i> , 1999 , 13, 805-822	3.3	153
224	Incorporating variable source area hydrology into a curve-number-based watershed model. <i>Hydrological Processes</i> , 2007 , 21, 3420-3430	3.3	128
223	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
222	Trends in rainfall and runoff in the Blue Nile Basin: 1964-2003. <i>Hydrological Processes</i> , 2010 , 24, 3747-3758	3.3	94
221	Identifying hydrologically sensitive areas: bridging the gap between science and application. <i>Journal of Environmental Management</i> , 2006 , 78, 63-76	7.9	87
220	Effect of grid size on runoff and soil moisture for a variable-source-area hydrology model. <i>Water Resources Research</i> , 1999 , 35, 3419-3428	5.4	86
219	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
218	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
217	Transport and retention of biochar particles in porous media: effect of pH, ionic strength, and particle size. <i>Ecohydrology</i> , 2010 , 3, 497-508	2.5	79
216	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
215	Pore-Scale Visualization of Colloid Transport and Retention in Partly Saturated Porous Media. <i>Vadose Zone Journal</i> , 2004 , 3, 444-450	2.7	75

214	Rainfall-discharge relationships for a monsoonal climate in the Ethiopian highlands. <i>Hydrological Processes</i> , 2008 , 22, 1059-1067	3.3	74
213	Are runoff processes ecologically or topographically driven in the (sub) humid Ethiopian highlands? The case of the Maybar watershed. <i>Ecohydrology</i> , 2010 , 3, 457-466	2.5	73
212	Performance of in situ rainwater conservation tillage techniques on dry spell mitigation and erosion control in the drought-prone North Wello zone of the Ethiopian highlands. <i>Soil and Tillage Research</i> , 2007 , 97, 19-36	6.5	71
211	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
210	Refined conceptualization of TOPMODEL for shallow subsurface flows. <i>Hydrological Processes</i> , 2002 , 16, 2041-2046	3.3	67
209	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
208	Transport and Retention Mechanisms of Colloids in Partially Saturated Porous Media. <i>Vadose Zone Journal</i> , 2005 , 4, 184-195	2.7	64
207	Grain Surface-Roughness Effects on Colloidal Retention in the Vadose Zone. <i>Vadose Zone Journal</i> , 2009 , 8, 11-20	2.7	63
206	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
205	Assessment of soil erosion processes and farmer perception of land conservation in Debre Mewi watershed near Lake Tana, Ethiopia. <i>Ecohydrology and Hydrobiology</i> , 2010 , 10, 297-306	2.8	60
204	Preferential Movement of Pesticides and Tracers in Agricultural Soils. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1990 , 116, 50-66	1.1	60
203	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
202	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
201	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
200	Comparison of Ground Penetrating Radar and Time-Domain Reflectometry as Soil Water Sensors. <i>Soil Science Society of America Journal</i> , 1998 , 62, 1237-1239	2.5	57
199	Transport and Retention Mechanisms of Colloids in Partially Saturated Porous Media. <i>Vadose Zone Journal</i> , 2005 , 4, 184	2.7	54
198	Predicting discharge and sediment for the Abay (Blue Nile) with a simple model. <i>Hydrological Processes</i> , 2009 , 23, n/a-n/a	3.3	53
197	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

196	Capillary retention of colloids in unsaturated porous media. <i>Water Resources Research</i> , 2008 , 44,	5.4	52
195	Preferential Flow and Transport of <i>Cryptosporidium parvum</i> Oocysts through the Vadose Zone: Experiments and Modeling. <i>Vadose Zone Journal</i> , 2004 , 3, 262-270	2.7	51
194	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
193	Noninvasive Time Domain Reflectometry Moisture Measurement Probe. <i>Soil Science Society of America Journal</i> , 1993 , 57, 934-936	2.5	49
192	Assessment of surface water irrigation potential in the Ethiopian highlands: The Lake Tana Basin. <i>Catena</i> , 2015 , 129, 76-85	5.8	48
191	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
190	Hydrologic assessment of an urban variable source watershed in the northeast United States. <i>Water Resources Research</i> , 2007 , 43,	5.4	48
189	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
188	Application of SMR to Modeling Watersheds in the Catskill Mountains. <i>Environmental Modeling and Assessment</i> , 2004 , 9, 77-89	2	44
187	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
186	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
185	Morphological dynamics of gully systems in the subhumid Ethiopian Highlands: the Debre Mawi watershed. <i>Soil</i> , 2016 , 2, 443-458	5.8	43
184	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
183	Analysis of a rural water supply project in three communities in Mali: Participation and sustainability. <i>Natural Resources Forum</i> , 2007 , 31, 142-150	2.2	41
182	Measurement of groundwater recharge on eastern Long Island, New York, U.S.A.. <i>Journal of Hydrology</i> , 1985 , 79, 145-169	6	40
181	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
180	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
179	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

178	Evaluation of spring flow in the uplands of Matalom, Leyte, Philippines. <i>Advances in Water Resources</i> , 2005 , 28, 1083-1090	4.7	38
177	The desorption of silver and thallium from soils in the presence of a chelating resin with thiol functional groups. <i>Water, Air, and Soil Pollution</i> , 2005 , 160, 41-54	2.6	36
176	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
175	Water accounting for conjunctive groundwater/surface water management: case of the Singkarak-Dombilin River basin, Indonesia. <i>Journal of Hydrology</i> , 2004 , 292, 1-22	6	35
174	Water use and productivity of two small reservoir irrigation schemes in Ghana's upper east region. <i>Irrigation and Drainage</i> , 2008 , 57, 151-163	1.1	34
173	High Intensity X-Ray and Tensiometer Measurements in Rapidly Changing Preferential Flow Fields. <i>Soil Science Society of America Journal</i> , 1993 , 57, 1188-1192	2.5	34
172	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
171	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
170	The hydrology of inland valleys in the sub-humid zone of West Africa: rainfall-runoff processes in the M'bo experimental watershed. <i>Hydrological Processes</i> , 2003 , 17, 1213-1225	3.3	33
169	Pore-Scale Visualization of Colloid Transport and Retention in Partly Saturated Porous Media. <i>Vadose Zone Journal</i> , 2004 , 3, 444-450	2.7	33
168	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
167	Rain-on-snow runoff events in New York. <i>Hydrological Processes</i> , 2013 , 27, 3035-3049	3.3	31
166	A Saturation Excess Erosion Model. <i>Transactions of the ASABE</i> , 2013 , 56, 681-695	0.9	30
165	Characterization of Degraded Soils in the Humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017 , 28, 1891-1901	4.4	28
164	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
163	Equation for Describing Solute Transport in Field Soils with Preferential Flow Paths. <i>Soil Science Society of America Journal</i> , 2005 , 69, 291-300	2.5	28
162	Detection of glyphosate residues in companion animal feeds. <i>Environmental Pollution</i> , 2018 , 243, 1113-1138	4.3	28
161	Suitability and Limitations of ENVISAT ASAR for Monitoring Small Reservoirs in a Semiarid Area. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 1536-1547	8.1	27

160	One-Dimensional Model to Evaluate the Performance of Wick Samplers in Soils. <i>Soil Science Society of America Journal</i> , 1995 , 59, 88-92	2.5	27
159	Predicting saturation-excess runoff distribution with a lumped hillslope model: SWAT-HS. <i>Hydrological Processes</i> , 2017 , 31, 2226-2243	3.3	26
158	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
157	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
156	Transport and retention of colloidal particles in partially saturated porous media: Effect of ionic strength. <i>Water Resources Research</i> , 2009 , 45,	5.4	26
155	Quantifying colloid retention in partially saturated porous media. <i>Water Resources Research</i> , 2006 , 42,	5.4	26
154	Revisiting storm runoff processes in the upper Blue Nile basin: The Debre Mawi watershed. <i>Catena</i> , 2016 , 143, 47-56	5.8	26
153	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
152	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
151	Modelling variable source area dynamics in a CEAP watershed. <i>Ecohydrology</i> , 2009 , 2, 337-349	2.5	25
150	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
149	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
148	The link between hydrology and restoration of tidal marshes in the New York/New Jersey Estuary. <i>Wetlands</i> , 2004 , 24, 414-425	1.7	24
147	Preferential Flow and Transport of <i>Cryptosporidium parvum</i> Oocysts through the Vadose Zone: Experiments and Modeling. <i>Vadose Zone Journal</i> , 2004 , 3, 262	2.7	24
146	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
145	Watershed Hydrology of the (Semi) Humid Ethiopian Highlands 2011 , 145-162		23
144	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
143	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

142	Biohydrology of low flows in the humid Ethiopian highlands: The Gilgel Abay catchment. <i>Biologia (Poland)</i> , 2014 , 69, 1502-1509	1.5	22
141	Biocolloid retention in partially saturated soils. <i>Biologia (Poland)</i> , 2006 , 61, S229-S233	1.5	22
140	A Saturated Excess Runoff Pedotransfer Function for Vegetated Watersheds. <i>Vadose Zone Journal</i> , 2013 , 12, vzj2013.03.0060	2.7	22
139	Controls Influencing the Treatment of Excess Agricultural Nitrate with Denitrifying Bioreactors. <i>Journal of Environmental Quality</i> , 2016 , 45, 772-8	3.4	22
138	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
137	Causes and Controlling Factors of Valley Bottom Gullies. <i>Land</i> , 2019 , 8, 141	3.5	21
136	Sediment Loss Patterns in the Sub-Humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017 , 28, 1795-1805	4.4	21
135	Erosion hotspot identification in the sub-humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 146-154	2.8	21
134	Root reinforcement to soils provided by common Ethiopian highland plants for gully erosion control. <i>Ecohydrology</i> , 2018 , 11, e1940	2.5	20
133	Effect of Soil Reduction on Phosphorus Sorption of an Organic-Rich Silt Loam. <i>Soil Science Society of America Journal</i> , 2010 , 74, 240-249	2.5	20
132	The Hydrological Effects of Lateral Preferential Flow Paths in a Glaciated Watershed in the Northeastern USA. <i>Vadose Zone Journal</i> , 2010 , 9, 397-414	2.7	20
131	Enhancement of seepage and lateral preferential flow by biopores on hillslopes. <i>Biologia (Poland)</i> , 2006 , 61, S225-S228	1.5	20
130	Drying front in a sloping aquifer: Nonlinear effects. <i>Water Resources Research</i> , 2004 , 40,	5.4	20
129	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
128	A simple model for predicting water table fluctuations in a tidal marsh. <i>Water Resources Research</i> , 2007 , 43,	5.4	19
127	Determination of hydraulic behavior of hillsides with a hillslope infiltrometer. <i>Soil Science Society of America Journal</i> , 2002 , 66, 1501-1504	2.5	19
126	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
125	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

124	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
123	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
122	A Simple Process-Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model ¹ . <i>Journal of the American Water Resources Association</i> , 2012 , 48, 1151-1161	3.1	18
121	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
120	The long-term effect of sludge application on Cu, Zn, and Mo behavior in soils and accumulation in soybean seeds. <i>Plant and Soil</i> , 2007 , 299, 227-236	4.2	18
119	Comparing TRMM 3B42, CFSR and ground-based rainfall estimates as input for hydrological models, in data scarce regions: the Upper Blue Nile Basin, Ethiopia		18
118	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
117	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
116	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
115	Economic analysis of best management practices to reduce watershed phosphorus losses. <i>Journal of Environmental Quality</i> , 2012 , 41, 855-64	3.4	17
114	Preferential Movement of Oxygen in Soils?. <i>Soil Science Society of America Journal</i> , 1997 , 61, 1607-1610	2.5	17
113	Movement of Heavy Metals in Soil through Preferential Flow Paths under Different Rainfall Intensities. <i>Clean - Soil, Air, Water</i> , 2008 , 36, 984-989	1.6	17
112	Spatial and Temporal Patterns of Soil Erosion in the Semi-humid Ethiopian Highlands: A Case Study of Debre Mawi Watershed 2014 , 149-163		17
111	Improving watershed management practices in humid regions. <i>Hydrological Processes</i> , 2017 , 31, 3294-3303	3.3	17
110	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
109	A simple semi-distributed water balance model for the Ethiopian highlands. <i>Hydrological Processes</i> , 2009 , 23, n/a-n/a	3.3	16
108	Sediment concentration rating curves for a monsoonal climate: upper Blue Nile. <i>Soil</i> , 2016 , 2, 337-349	5.8	16
107	Evaluating infiltration models and pedotransfer functions: Implications for hydrologic modeling. <i>Geoderma</i> , 2019 , 338, 159-169	6.7	16

106	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
105	Impact of Soil Conservation and Eucalyptus on Hydrology and Soil Loss in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019 , 11, 2299	3	15
104	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
103	Deep Tillage Improves Degraded Soils in the (Sub) Humid Ethiopian Highlands. <i>Land</i> , 2019 , 8, 159	3.5	14
102	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
101	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
100	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
99	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
98	Pore scale consideration in unstable gravity driven finger flow. <i>Water Resources Research</i> , 2013 , 49, 7815-7819	5.4	13
97	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
96	Nitrous Oxide and Ammonia Emissions from Urine-Treated Soils: Texture Effect. <i>Vadose Zone Journal</i> , 2006 , 5, 1236-1245	2.7	13
95	Establishing irrigation potential of a hillside aquifer in the African highlands. <i>Hydrological Processes</i> , 2020 , 34, 1741-1753	3.3	13
94	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
93	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
92	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
91	Calculating the sediment budget of a tropical lake in the Blue Nile basin: Lake Tana 2016 ,		12
90	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
89	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

88	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
87	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
86	Reply to Comments on Pore-Scale Visualization of Colloid Transport and Retention in Partly Saturated Porous Media. <i>Vadose Zone Journal</i> , 2005 , 4, 957-958	2.7	11
85	Atrazine fate on a tile drained field in northern New York: a case study. <i>Agricultural Water Management</i> , 1996 , 31, 195-203	5.9	11
84	Predicting Shallow Groundwater Tables for Sloping Highland Aquifers. <i>Water Resources Research</i> , 2019 , 55, 11088-11100	5.4	11
83	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
82	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
81	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
80	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
79	Conservation Agriculture Saves Irrigation Water in the Dry Monsoon Phase in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019 , 11, 2103	3	10
78	Sustainable Water Management in the Tourism Economy: Linking the Mediterranean's Traditional Rainwater Cisterns to Modern Needs. <i>Water (Switzerland)</i> , 2017 , 9, 868	3	10
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