

Tammo Steenhuis

List of Publications by Year in descending order

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Version: 2024-02-01

229
papers

8,365
citations

47409

49
h-index

84171

75
g-index

258
all docs

258
docs citations

258
times ranked

7556
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable futures over the next decade are rooted in soil science. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	19
2	Berken plow and intercropping with pigeon pea ameliorate degraded soils with a hardpan in the Ethiopian highlands. <i>Geoderma</i> , 2022, 407, 115523.	2.3	6
3	Phosphonate herbicide interactions with quartz, montmorillonite, and quartz-enriched agricultural soil. <i>Soil Science Society of America Journal</i> , 2022, 86, 209-223.	1.2	4
4	Topography Impacts Hydrology in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022, 14, 196.	1.2	2
5	Establishing Stage-Discharge Rating Curves in Developing Countries: Lake Tana Basin, Ethiopia. <i>Hydrology</i> , 2022, 9, 13.	1.3	7
6	Conservation and Conventional Vegetable Cultivation Increase Soil Organic Matter and Nutrients in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022, 14, 476.	1.2	5
7	Water Quality Characteristics of a Water Hyacinth Infested Tropical Highland Lake: Lake Tana, Ethiopia. <i>Frontiers in Water</i> , 2022, 4, .	1.0	10
8	Barriers to implementing poverty alleviation through livelihood strategies: A participatory analysis of farming communities in Ethiopia's upper Blue Nile basin. <i>Environmental Science and Policy</i> , 2022, 136, 453-466.	2.4	3
9	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.	1.2	6
10	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.	1.2	10
11	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.	1.2	4
12	Diversified crop rotations enhance groundwater and economic sustainability of food production. <i>Food and Energy Security</i> , 2021, 10, e311.	2.0	30
13	Revisiting Daily MODIS Evapotranspiration Algorithm Using Flux Tower Measurements in China. <i>Earth and Space Science</i> , 2021, 8, e2021EA001818.	1.1	2
14	Evaluating Irrigation and Farming Systems with Solar MajiPump in Ethiopia. <i>Agronomy</i> , 2021, 11, 17.	1.3	9
15	Phosphorus Export From Two Contrasting Rural Watersheds in the (Sub) Humid Ethiopian Highlands. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	5
16	Establishing irrigation potential of a hillside aquifer in the African highlands. <i>Hydrological Processes</i> , 2020, 34, 1741-1753.	1.1	21
17	Transport and Retention Behaviors of Deformable Polyacrylamide Microspheres in Convergent-Divergent Microchannels. <i>Environmental Science & Technology</i> , 2020, 54, 10876-10884.	4.6	18
18	The Relationship of Lake Morphometry and Phosphorus Dynamics of a Tropical Highland Lake: Lake Tana, Ethiopia. <i>Water (Switzerland)</i> , 2020, 12, 2243.	1.2	10

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19	The Response of Water and Nutrient Dynamics and of Crop Yield to Conservation Agriculture in the Ethiopian Highlands. <i>Sustainability</i> , 2020, 12, 5989.	1.6	12
20	Bottom Sediment Characteristics of a Tropical Lake: Lake Tana, Ethiopia. <i>Hydrology</i> , 2020, 7, 18.	1.3	15
21	Hydrogeology of Volcanic Highlands Affects Prioritization of Land Management Practices. <i>Water (Switzerland)</i> , 2020, 12, 2702.	1.2	13
22	Water Balance for a Tropical Lake in the Volcanic Highlands: Lake Tana, Ethiopia. <i>Water (Switzerland)</i> , 2020, 12, 2737.	1.2	18
23	Exclosures improve degraded landscapes in the sub-humid Ethiopian Highlands: the Ferenj Wuha watershed. <i>Journal of Environmental Management</i> , 2020, 270, 110802.	3.8	14
24	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.	1.0	10
25	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.	1.8	9
26	Hydrological Foundation as a Basis for a Holistic Environmental Flow Assessment of Tropical Highland Rivers in Ethiopia. <i>Water (Switzerland)</i> , 2020, 12, 547.	1.2	21
27	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.	3.8	19
28	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.	1.2	18
29	Groundwater use of a small Eucalyptus patch during the dry monsoon phase. <i>Biologia (Poland)</i> , 2020, 75, 853-864.	0.8	12
30	Biochar acting as an electron acceptor reduces nitrate removal in woodchip denitrifying bioreactors. <i>Ecological Engineering</i> , 2020, 149, 105724.	1.6	11
31	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.	0.7	5
32	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.	1.9	11
33	Assessing Digital Soil Inventories for Predicting Streamflow in the Headwaters of the Blue Nile. <i>Hydrology</i> , 2020, 7, 8.	1.3	7
34	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	0
35	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.	0.7	0
36	Predicting the Fate of Preferentially Moving Herbicides. <i>Vadose Zone Journal</i> , 2019, 18, 1-11.	1.3	0

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37	Revisiting SWAT as a Saturation-Excess Runoff Model. <i>Water (Switzerland)</i> , 2019, 11, 1427.	1.2	8
38	A unique vadose zone model for shallow aquifers: the Hetao irrigation district, China. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3097-3115.	1.9	6
39	Assessment of Suitable Land for Surface Irrigation in Ungauged Catchments: Blue Nile Basin, Ethiopia. <i>Water (Switzerland)</i> , 2019, 11, 1465.	1.2	17
40	Conservation Agriculture Saves Irrigation Water in the Dry Monsoon Phase in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019, 11, 2103.	1.2	18
41	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.	1.2	12
42	Causes and Controlling Factors of Valley Bottom Gullies. <i>Land</i> , 2019, 8, 141.	1.2	35
43	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.	2.3	16
44	Application of denitrifying bioreactors for the removal of atrazine in agricultural drainage water. <i>Journal of Environmental Management</i> , 2019, 239, 48-56.	3.8	18
45	Deep Tillage Improves Degraded Soils in the (Sub) Humid Ethiopian Highlands. <i>Land</i> , 2019, 8, 159.	1.2	23
46	Predicting Shallow Groundwater Tables for Sloping Highland Aquifers. <i>Water Resources Research</i> , 2019, 55, 11088-11100.	1.7	18
47	Impact of Soil Conservation and Eucalyptus on Hydrology and Soil Loss in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2019, 11, 2299.	1.2	23
48	Erosion hotspot identification in the sub-humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 146-154.	1.0	34
49	Evaluating infiltration models and pedotransfer functions: Implications for hydrologic modeling. <i>Geoderma</i> , 2019, 338, 159-169.	2.3	30
50	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.	1.8	5
51	Antecedent and Post-Application Rain Events Trigger Glyphosate Transport from Runoff-Prone Soils. <i>Environmental Science and Technology Letters</i> , 2018, 5, 249-254.	3.9	11
52	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.	2.2	13
53	Root reinforcement to soils provided by common Ethiopian highland plants for gully erosion control. <i>Ecohydrology</i> , 2018, 11, e1940.	1.1	31
54	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.	1.8	33

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55	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.	2.2	53
56	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.	0.7	34
57	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.	1.8	15
58	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.	2.3	44
59	Effect of Peri-Urban Development and Lithology on Streamflow in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2018, 29, 1141-1153.	1.8	19
60	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.	1.5	20
61	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.	1.9	17
62	Assessment of Practices for Controlling Shallow Valley-Bottom Gullies in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2018, 10, 389.	1.2	9
63	Detection of glyphosate residues in companion animal feeds. <i>Environmental Pollution</i> , 2018, 243, 1113-1118.	3.7	42
64	Assessment of Nitrate in Wells and Springs in the North Central Ethiopian Highlands. <i>Water (Switzerland)</i> , 2018, 10, 476.	1.2	15
65	Evaluating erosion control practices in an actively gullyng watershed in the highlands of Ethiopia. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2835-2843.	1.2	23
66	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.	0.7	16
67	Deficit irrigation enhances contribution of shallow groundwater to crop water consumption in arid area. <i>Agricultural Water Management</i> , 2017, 185, 116-125.	2.4	33
68	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.	1.8	17
69	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.	1.1	23
70	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.	1.8	7
71	Predicting saturation-excess runoff distribution with a lumped hillslope model: SWAT-HS. <i>Hydrological Processes</i> , 2017, 31, 2226-2243.	1.1	33
72	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.	1.2	14

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73	Modeling contribution of shallow groundwater to evapotranspiration and yield of maize in an arid area. <i>Scientific Reports</i> , 2017, 7, 43122.	1.6	33
74	Characterization of Degraded Soils in the Humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017, 28, 1891-1901.	1.8	40
75	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.	1.8	12
76	Gully Head Retreat in the Sub-humid Ethiopian Highlands: The Ene-Chilala Catchment. <i>Land Degradation and Development</i> , 2017, 28, 1579-1588.	1.8	33
77	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.	2.3	16
78	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.	1.0	22
79	Seasonal performance of denitrifying bioreactors in the Northeastern United States: Field trials. <i>Journal of Environmental Management</i> , 2017, 202, 242-253.	3.8	49
80	Sediment Loss Patterns in the Sub-humid Ethiopian Highlands. <i>Land Degradation and Development</i> , 2017, 28, 1795-1805.	1.8	25
81	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.	1.8	32
82	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.	1.8	28
83	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.	1.8	29
84	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.	1.7	23
85	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.	1.2	19
86	Modeling Regional Soil Water Balance in Farmland of the Middle Reaches of Heihe River Basin. <i>Water (Switzerland)</i> , 2017, 9, 847.	1.2	9
87	Sustainable Water Management in the Tourism Economy: Linking the Mediterranean's Traditional Rainwater Cisterns to Modern Needs. <i>Water (Switzerland)</i> , 2017, 9, 868.	1.2	13
88	Hotspots of Nitrous Oxide Emission in Fertilized and Unfertilized Perennial Grasses. <i>Soil Science Society of America Journal</i> , 2017, 81, 450-458.	1.2	7
89	Improving watershed management practices in humid regions. <i>Hydrological Processes</i> , 2017, 31, 3294-3301.	1.1	23
90	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.	0.1	11

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91	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.	0.3	14
92	Predicting Reference Evaporation for the Ethiopian Highlands. <i>Journal of Water Resource and Protection</i> , 2017, 09, 1244-1269.	0.3	13
93	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.	0.3	22
94	Controls Influencing the Treatment of Excess Agricultural Nitrate with Denitrifying Bioreactors. <i>Journal of Environmental Quality</i> , 2016, 45, 772-778.	1.0	30
95	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.	1.9	22
96	Sediment concentration rating curves for a monsoonal climate: upper Blue Nile. <i>Soil</i> , 2016, 2, 337-349.	2.2	23
97	Morphological dynamics of gully systems in the subhumid Ethiopian Highlands: the Debre Mawi watershed. <i>Soil</i> , 2016, 2, 443-458.	2.2	55
98	Nitrous Oxide and Methane Fluxes from Smallholder Farms: A Scoping Study in the Anjeni Watershed. <i>Climate</i> , 2016, 4, 62.	1.2	2
99	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.	1.2	1
100	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.	1.8	56
101	Revisiting storm runoff processes in the upper Blue Nile basin: The Debre Mawi watershed. <i>Catena</i> , 2016, 143, 47-56.	2.2	31
102	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.	0.7	16
103	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.	1.5	25
104	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.	0.7	96
105	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, .	0.8	18
106	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.	1.1	58
107	Distributed discharge and sediment concentration predictions in the sub-humid Ethiopian highlands: the Debre Mawi watershed. <i>Hydrological Processes</i> , 2015, 29, 1817-1828.	1.1	48
108	Untapped Potential: Opportunities and Challenges for Sustainable Bioenergy Production from Marginal Lands in the Northeast USA. <i>Bioenergy Research</i> , 2015, 8, 482-501.	2.2	79

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109	Morphological changes of Gumara River channel over 50 years, upper Blue Nile basin, Ethiopia. <i>Journal of Hydrology</i> , 2015, 525, 152-164.	2.3	67
110	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.	1.0	21
111	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, 170-177.	3.9	29
112	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.	2.3	78
113	Assessment of surface water irrigation potential in the Ethiopian highlands: The Lake Tana Basin. <i>Catena</i> , 2015, 129, 76-85.	2.2	75
114	Agricultural <sc>BMP</sc> Effectiveness and Dominant Hydrological Flow Paths: Concepts and a Review. <i>Journal of the American Water Resources Association</i> , 2015, 51, 305-329.	1.0	51
115	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.	1.0	1
116	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.	1.4	11
117	Learning from the scientific legacies of W. Brutsaert and J.-Y. Parlange. <i>Water Resources Research</i> , 2014, 50, 1856-1857.	1.7	0
118	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.	1.9	109
119	Biohydrology of low flows in the humid Ethiopian highlands: The Gilgel Abay catchment. <i>Biologia (Poland)</i> , 2014, 69, 1502-1509.	0.8	26
120	Evaluation of spatial interpolation methods for groundwater level in an arid inland oasis, northwest China. <i>Environmental Earth Sciences</i> , 2014, 71, 1911-1924.	1.3	54
121	Spatial evidence of cross-crop pesticide contamination in small-holder Thai farms. <i>Agronomy for Sustainable Development</i> , 2014, 34, 773-782.	2.2	2
122	Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , 2014, 28, 5613-5623.	1.1	302
123	<sc>SWAT</sc> model: A Multi-Operating System, Multi-Platform <sc>SWAT</sc> Model Package in R. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1349-1353.	1.0	17
124	Combined effect of soil bund with biological soil and water conservation measures in the northwestern Ethiopian highlands. <i>Ecology and Hydrobiology</i> , 2014, 14, 192-199.	1.0	88
125	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.	1.4	44
126	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.	1.7	16

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127	Soil Erosion and Discharge in the Blue Nile Basin: Trends and Challenges. , 2014, , 133-147.		10
128	Phosphorus Modeling, in Lake Tana Basin, Ethiopia. Journal of Environment and Human, 2014, 2014, 47-55.	0.2	4
129	Streamflow Responses to Climate Change: Analysis of Hydrologic Indicators in a New York City Water Supply Watershed. Journal of the American Water Resources Association, 2013, 49, 1308-1326.	1.0	35
130	Determinants of household participation in the management of rural water supply systems: A case from Ethiopia. Water Policy, 2013, 15, 985-1000.	0.7	9
131	Evaluating the bio-hydrological impact of a cloud forest in Central America using a semi-distributed water balance model. Journal of Hydrology and Hydromechanics, 2013, 61, 9-20b.	0.7	29
132	Pore scale consideration in unstable gravity driven finger flow. Water Resources Research, 2013, 49, 7815-7819.	1.7	15
133	Rain- σ snow runoff events in New York. Hydrological Processes, 2013, 27, 3035-3049.	1.1	37
134	Eco-hydrological impacts of Eucalyptus in the semi humid Ethiopian Highlands: the Lake Tana Plain. Journal of Hydrology and Hydromechanics, 2013, 61, 21-29b.	0.7	63
135	Suspended sediment concentration-discharge relationships in the (sub-) humid Ethiopian highlands. Hydrology and Earth System Sciences, 2013, 17, 1067-1077.	1.9	78
136	Real-Time Forecast of Hydrologically Sensitive Areas in the Salmon Creek Watershed, New York State, Using an Online Prediction Tool. Water (Switzerland), 2013, 5, 917-944.	1.2	9
137	A Saturation Excess Erosion Model. Transactions of the ASABE, 2013, 56, 681-695.	1.1	39
138	A Saturated Excess Runoff Pedotransfer Function for Vegetated Watersheds. Vadose Zone Journal, 2013, 12, 1-10.	1.3	23
139	Temporal Variability of Nitrous Oxide from Fertilized Croplands: Hot Moment Analysis. Soil Science Society of America Journal, 2012, 76, 1728-1740.	1.2	71
140	A Simple Process-Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model ¹ . Journal of the American Water Resources Association, 2012, 48, 1151-1161.	1.0	21
141	Field Test of the Variable Source Area Interpretation of the Curve Number Rainfall-Runoff Equation. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 235-244.	0.6	17
142	Economic Analysis of Best Management Practices to Reduce Watershed Phosphorus Losses. Journal of Environmental Quality, 2012, 41, 855-864.	1.0	17
143	Estimation of Small Reservoir Storage Capacities with Remote Sensing in the Brazilian Savannah Region. Water Resources Management, 2012, 26, 873-882.	1.9	90
144	Rainfall Runoff Relationships for a Cloud Forest Watershed in Central America: Implications for Water Resource Engineering ¹ . Journal of the American Water Resources Association, 2012, 48, 1022-1031.	1.0	10

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145	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.	2.3	60
146	Development and application of a physically based landscape water balance in the SWAT model. <i>Hydrological Processes</i> , 2011, 25, 915-925.	1.1	99
147	A simple concept for calibrating runoff thresholds in quasi-distributed variable source area watershed models. <i>Hydrological Processes</i> , 2011, 25, 3131-3143.	1.1	22
148	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.	0.4	8
149	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.	1.2	35
150	Watershed Hydrology of the (Semi) Humid Ethiopian Highlands. , 2011, , 145-162.		23
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