

# Assefa M. Melesse

## List of Publications by Year in descending order

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270  
papers

9,926  
citations

36303

51  
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51608

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295  
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docs citations

295  
times ranked

8341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ensemble models of GLM, FDA, MARS, and RF for flood and erosion susceptibility mapping: a priority assessment of sub-basins. <i>Geocarto International</i> , 2022, 37, 2541-2560.	3.5	73
2	How suitable are satellite rainfall estimates in simulating high flows and actual evapotranspiration in MelkaKunitre catchment, Upper Awash Basin, Ethiopia?. <i>Science of the Total Environment</i> , 2022, 806, 150443.	8.0	4
3	Soil governance in Greece: A snapshot. <i>Soil Security</i> , 2022, 6, 100035.	2.3	10
4	Merging satellite rainfall estimates and daily rain gauge observations for improved flood simulation in MelkaKuntire catchment, upper Awash Basin, Ethiopia. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 25, 100701.	1.5	3
5	Water Quality Characteristics of a Water Hyacinth Infested Tropical Highland Lake: Lake Tana, Ethiopia. <i>Frontiers in Water</i> , 2022, 4, .	2.3	10
6	Compound flood modeling framework for surface–subsurface water interactions. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 775-793.	3.6	5
7	Ecosystem Service Valuation along Landscape Transformation in Central Ethiopia. <i>Land</i> , 2022, 11, 500.	2.9	15
8	Crop production response to soil moisture and groundwater depletion in the Nile Basin based on multi-source data. <i>Science of the Total Environment</i> , 2022, 825, 154007.	8.0	11
9	Evaluation of Global Precipitation Products over Wabi Shebelle River Basin, Ethiopia. <i>Hydrology</i> , 2022, 9, 66.	3.0	10
10	Assessment of Climate and Catchment Control on Drought Propagation in the Tekeze River Basin, Ethiopia. <i>Water (Switzerland)</i> , 2022, 14, 1564.	2.7	3
11	Suspended sediment load modeling using advanced hybrid rotation forest based elastic network approach. <i>Journal of Hydrology</i> , 2022, 610, 127963.	5.4	15
12	Estimating the Potential Wetland Storage Capacity for Flood Mitigation by Using Deterministic Topographic Wetland Index. , 2022, , .		1
13	Analyzing the Benefit-Cost Ratio of Sediment Resources by Remote Sensing Data in the Ping River Basin, Thailand. <i>Water (Switzerland)</i> , 2022, 14, 2071.	2.7	2
14	Development and Evaluation of a Web-Based and Interactive Flood Management Tool for Awash and Omo-Gibe Basins, Ethiopia. <i>Water (Switzerland)</i> , 2022, 14, 2195.	2.7	2
15	Relationship of Attributes of Soil and Topography with Land Cover Change in the Rift Valley Basin of Ethiopia. <i>Remote Sensing</i> , 2022, 14, 3257.	4.0	5
16	Projected changes in extreme precipitation indices from CORDEX simulations over Ethiopia, East Africa. <i>Atmospheric Research</i> , 2021, 247, 105156.	4.1	29
17	Spatial evaluation of satellite-retrieved extreme rainfall rates in the Upper Awash River Basin, Ethiopia. <i>Atmospheric Research</i> , 2021, 249, 105297.	4.1	30
18	Comparison of Trend Preserving Statistical Downscaling Algorithms Toward an Improved Precipitation Extremes Projection in the Headwaters of Blue Nile River in Ethiopia. <i>Environmental Processes</i> , 2021, 8, 59-75.	3.5	10

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19	Land use dynamics and base and peak flow responses in the Choke mountain range, Upper Blue Nile Basin, Ethiopia. <i>International Journal of River Basin Management</i> , 2021, 19, 109-121.	2.7	9
20	Modeling the impacts of land use and land cover dynamics on hydrological processes of the Keleta watershed, Ethiopia. <i>Sustainable Environment</i> , 2021, 7, .	2.4	14
21	Landâ€“Lake Linkage and Remote Sensing Application in Water Quality Monitoring in Lake Okeechobee, Florida, USA. <i>Land</i> , 2021, 10, 147.	2.9	13
22	Hydroclimatic Extremes Evaluation Using GRACE/GRACE-FO and Multidecadal Climatic Variables over the Nile River Basin. <i>Remote Sensing</i> , 2021, 13, 651.	4.0	25
23	Long-term waterâ€“energyâ€“food security and resources sustainability: a case study of Ethiopia by 2030 and 2050. <i>International Journal of Energy and Water Resources</i> , 2021, 5, 343-356.	2.2	2
24	Multi-Dimensional Drought Assessment in Abbay/Upper Blue Nile Basin: The Importance of Shared Management and Regional Coordination Efforts for Mitigation. <i>Remote Sensing</i> , 2021, 13, 1835.	4.0	6
25	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100825.	2.4	24
26	Urban Flood Management through Urban Land Use Optimization Using LID Techniques, City of Addis Ababa, Ethiopia. <i>Water (Switzerland)</i> , 2021, 13, 1721.	2.7	19
27	Effect of temporal sampling mismatches between satellite rainfall estimates and rain gauge observations on modelling extreme rainfall in the Upper Awash Basin, Ethiopia. <i>Journal of Hydrology</i> , 2021, 598, 126467.	5.4	8
28	Groundwater quality evaluation of the alluvial aquifers using GIS and water quality indices in the Upper Blue Nile Basin, Ethiopia. <i>Groundwater for Sustainable Development</i> , 2021, 14, 100636.	4.6	13
29	Long-Term Assessment of Surface Water Quality in a Highly Managed Estuary Basin. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9417.	2.6	5
30	Assessing geomorphic floodplain models for large scale coarse resolution 2D flood modelling in data scarce regions. <i>Geomorphology</i> , 2021, 389, 107841.	2.6	4
31	Evaluation of Regional Climate Models (RCMs) Using Precipitation and Temperature-Based Climatic Indices: A Case Study of Florida, USA. <i>Water (Switzerland)</i> , 2021, 13, 2411.	2.7	3
32	A Deterministic Topographic Wetland Index Based on LiDAR-Derived DEM for Delineating Open-Water Wetlands. <i>Water (Switzerland)</i> , 2021, 13, 2487.	2.7	12
33	Shared water resources management. , 2021, , 153-189.		3
34	Scrutinizing Relationships between Submarine Groundwater Discharge and Upstream Areas Using Thermal Remote Sensing: A Case Study in the Northern Persian Gulf. <i>Remote Sensing</i> , 2021, 13, 358.	4.0	2
35	Special Section Guest Editorial: Multitemporal Remote Sensing Data Processing and Applications. <i>Journal of Applied Remote Sensing</i> , 2021, 15, .	1.3	0
36	Soil and Water Conservation Technology and Sediment Retention Assessment. <i>Springer Geography</i> , 2021, , 315-343.	0.4	0

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37	Waterâ€“Energyâ€“Food (WEF) Nexus Modelling Application to Estimate WEF Investment Portfolio in Ethiopia: A Case Study Applicable to Future Cooperative Investment in the Nile Basin. Springer Geography, 2021, , 195-211.	0.4	0
38	Sediment Yield and Reservoir Sedimentation in Highly Dynamic Watersheds: The Case of Koga Reservoir, Ethiopia. Water (Switzerland), 2021, 13, 3374.	2.7	28
39	Water Conservation Through Decentralized Rainwater Harvesting Under Climate Uncertainty. Springer Geography, 2021, , 383-396.	0.4	0
40	Restoring Lake Tana Through Reduction of Outflow and Compensation of the Power Gap with an Alternative Energy Source. Springer Geography, 2021, , 423-433.	0.4	1
41	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1585-1612.	3.1	21
42	Scientific Misconduct and Partisan Research on the Stability of the Grand Ethiopian Renaissance Dam: A Critical Review of a Contribution to Environmental Remote Sensing in Egypt (Springer, 2020). Springer Geography, 2021, , 273-293.	0.4	1
43	Trends of Hydro-Meteorological Indices in Tendaho Catchment Part of Awash River Basin, Ethiopia. Environmental Sciences Proceedings, 2021, 4, 33.	0.3	0
44	Trends of Hydro-Meteorological Indices in Tendaho Catchment Part of Awash River Basin, Ethiopia. Environmental Sciences Proceedings, 2021, 4, 33.	0.3	0
45	Linear spectral unmixing algorithm for modelling suspended sediment concentration of flash floods, upper Tekeze River, Ethiopia. International Journal of Sediment Research, 2020, 35, 79-90.	3.5	12
46	Double-stage linear spectral unmixing analysis for improving accuracy of sediment concentration estimation from MODIS data: the case of Tekeze River, Ethiopia. Modeling Earth Systems and Environment, 2020, 6, 407-416.	3.4	2
47	Impacts of longterm conservation measures on ecosystem services in Northwest Ethiopia. International Soil and Water Conservation Research, 2020, 8, 47-55.	6.5	16
48	Development of multi-model ensemble approach for enhanced assessment of impacts of climate change on climate extremes. Science of the Total Environment, 2020, 704, 135357.	8.0	50
49	Flood Frequency Analyses over Different Basin Scales in the Blue Nile River Basin, Ethiopia. Hydrology, 2020, 7, 44.	3.0	11
50	Soil Erosion Susceptibility Mapping in Kozetopraghi Catchment, Iran: A Mixed Approach Using Rainfall Simulator and Data Mining Techniques. Land, 2020, 9, 368.	2.9	15
51	Flash Flood Susceptibility Modeling Using New Approaches of Hybrid and Ensemble Tree-Based Machine Learning Algorithms. Remote Sensing, 2020, 12, 3568.	4.0	118
52	River Water Salinity Prediction Using Hybrid Machine Learning Models. Water (Switzerland), 2020, 12, 2951.	2.7	66
53	Comparative Analysis of Artificial Intelligence Models for Accurate Estimation of Groundwater Nitrate Concentration. Sensors, 2020, 20, 5763.	3.8	44
54	Combined Use of Sentinel-1 SAR and Landsat Sensors Products for Residual Soil Moisture Retrieval over Agricultural Fields in the Upper Blue Nile Basin, Ethiopia. Sensors, 2020, 20, 3282.	3.8	12

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55	Land Cover and Land Use Change in the US Prairie Pothole Region Using the USDA Cropland Data Layer. <i>Land</i> , 2020, 9, 166.	2.9	11
56	Spatial and Temporal Dynamics of Water Hyacinth and Its Linkage with Lake-Level Fluctuation: Lake Tana, a Sub-Humid Region of the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2020, 12, 1435.	2.7	28
57	Multimodel Ensemble Projection of Hydro-climatic Extremes for Climate Change Impact Assessment on Water Resources. <i>Water Resources Management</i> , 2020, 34, 3019-3035.	3.9	19
58	An Alternative Empirical Model to Estimate Watershed Sediment Yield Based on Hydrology and Geomorphology of the Basin in Data-Scarce Rift Valley Lake Regions, Ethiopia. <i>Geosciences (Switzerland)</i> , 2020, 10, 31.	2.2	14
59	Flood Detection and Susceptibility Mapping Using Sentinel-1 Remote Sensing Data and a Machine Learning Approach: Hybrid Intelligence of Bagging Ensemble Based on K-Nearest Neighbor Classifier. <i>Remote Sensing</i> , 2020, 12, 266.	4.0	210
60	Groundwater use of a small Eucalyptus patch during the dry monsoon phase. <i>Biologia (Poland)</i> , 2020, 75, 853-864.	1.5	12
61	Dynamics of Eutrophication and Its Linkage to Water Hyacinth on Lake Tana, Upper Blue Nile, Ethiopia: Understanding Land-Lake Interaction and Process. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 228-241.	0.3	2
62	Modeling Climate Change Impact on the Hydrology of Keleta Watershed in the Awash River Basin, Ethiopia. <i>Environmental Modeling and Assessment</i> , 2019, 24, 95-107.	2.2	54
63	Satellite Estimation of Chlorophyll-a Using Moderate Resolution Imaging Spectroradiometer (MODIS) Sensor in Shallow Coastal Water Bodies: Validation and Improvement. <i>Water (Switzerland)</i> , 2019, 11, 1621.	2.7	32
64	Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. <i>Water (Switzerland)</i> , 2019, 11, 1402.	2.7	137
65	Flood Spatial Modeling in Northern Iran Using Remote Sensing and GIS: A Comparison between Evidential Belief Functions and Its Ensemble with a Multivariate Logistic Regression Model. <i>Remote Sensing</i> , 2019, 11, 1589.	4.0	124
66	Novel ensembles of COPRAS multi-criteria decision-making with logistic regression, boosted regression tree, and random forest for spatial prediction of gully erosion susceptibility. <i>Science of the Total Environment</i> , 2019, 688, 903-916.	8.0	91
67	Water hyacinth: review of its impacts on hydrology and ecosystem services”Lessons for management of Lake Tana. , 2019, , 237-251.		62
68	Analysis and prediction of meteorological drought using SPI index and ARIMA model in the Karkheh River Basin, Iran. , 2019, , 343-353.		18
69	Effects of large-scale climate signals on snow cover in Khersan watershed, Iran. , 2019, , 1-10.		5
70	A regional hourly maximum rainfall extraction method for part of Upper Blue Nile Basin, Ethiopia. , 2019, , 93-102.		6
71	Precipitation and streamflow variability in Tekeze River basin, Ethiopia. , 2019, , 103-121.		8
72	Drought and climate teleconnection and drought monitoring. , 2019, , 275-295.		4

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73	Temporal relationships between time series CHIRPS-rainfall estimation and eMODIS-NDVI satellite images in Amhara Region, Ethiopia. , 2019, , 81-92.		21
74	Flood susceptibility mapping at Ningdu catchment, China using bivariate and data mining techniques. , 2019, , 419-434.		22
75	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. Applied Sciences (Switzerland), 2019, 9, 3495.	2.5	42
76	Potential of Water Hyacinth Infestation on Lake Tana, Ethiopia: A Prediction Using a GIS-Based Multi-Criteria Technique. Water (Switzerland), 2019, 11, 1921.	2.7	45
77	Teleconnection of Regional Drought to ENSO, PDO, and AMO: Southern Florida and the Everglades. Atmosphere, 2019, 10, 295.	2.3	22
78	SWPT: An automated GIS-based tool for prioritization of sub-watersheds based on morphometric and topo-hydrological factors. Geoscience Frontiers, 2019, 10, 2167-2175.	8.4	60
79	Rainfall trend and variability in Southeast Florida: Implications for freshwater availability in the Everglades. PLoS ONE, 2019, 14, e0212008.	2.5	35
80	Historical flood events and hydrological extremes in Ethiopia. , 2019, , 379-384.		15
81	Effects of drought on vegetative cover changes: Investigating spatiotemporal patterns. , 2019, , 213-222.		13
82	Land Surface Phenologies and Seasonalities in the US Prairie Pothole Region Coupling AMSR Passive Microwave Data with the USDA Cropland Data Layer. Remote Sensing, 2019, 11, 2550.	4.0	5
83	Reservoir operation analysis for Ribb reservoir in the Blue Nile basin. , 2019, , 191-211.		2
84	Dam break analysis and flood inundation mapping: The case study of Sefid-Roud Dam, Iran. , 2019, , 395-405.		8
85	Climate-induced flood inundation in Fogera-Dera Floodplain, Lake Tana basin, Ethiopia. , 2019, , 407-418.		1
86	Modeling Hydrological Responses to Land Use Dynamics, Choke, Ethiopia. Water Conservation Science and Engineering, 2019, 4, 201-212.	1.7	12
87	The response of water balance components to land cover change based on hydrologic modeling and partial least squares regression (PLSR) analysis in the Upper Awash Basin. Journal of Hydrology: Regional Studies, 2019, 26, 100640.	2.4	53
88	Estimating the Sediment Flux and Budget for a Data Limited Rift Valley Lake in Ethiopia. Hydrology, 2019, 6, 1.	3.0	43
89	Land use and land cover dynamics in the Keleta watershed, Awash River basin, Ethiopia. Environmental Hazards, 2019, 18, 246-265.	2.5	26
90	Development and application of a priority rated optimization model (PROM) for multi-sector water resource management systems. Environmental Modelling and Software, 2019, 113, 84-97.	4.5	5

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91	Evaluating the Response of In Situ Moisture Conservation Techniques in Different Rainfall Distributions and Soil-Type Conditions on Sorghum Production and Soil Moisture Characteristics in Drought-Prone Areas of Northern Ethiopia. <i>Water Conservation Science and Engineering</i> , 2018, 3, 157-167.	1.7	6
92	Development of an automated GIS tool for reproducing the HAND terrain model. <i>Environmental Modelling and Software</i> , 2018, 102, 1-12.	4.5	52
93	Soil Erosion Modelling and Risk Assessment in Data Scarce Rift Valley Lake Regions, Ethiopia. <i>Water (Switzerland)</i> , 2018, 10, 1684.	2.7	49
94	Applicability of a Spatially Semi-Distributed Hydrological Model for Watershed Scale Runoff Estimation in Northwest Ethiopia. <i>Water (Switzerland)</i> , 2018, 10, 923.	2.7	37
95	Climate Change Impact on the Hydrology of Tekeze Basin, Ethiopia: Projection of Rainfall-Runoff for Future Water Resources Planning. <i>Water Conservation Science and Engineering</i> , 2018, 3, 267-278.	1.7	39
96	Erosion and Sediment Transport Modelling in Shallow Waters: A Review on Approaches, Models and Applications. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 518.	2.6	67
97	Groundwater spring potential modelling: Comprising the capability and robustness of three different modeling approaches. <i>Journal of Hydrology</i> , 2018, 565, 248-261.	5.4	129
98	Optimal Operation of Hydropower Reservoirs under Climate Change: The Case of Tekeze Reservoir, Eastern Nile. <i>Water (Switzerland)</i> , 2018, 10, 273.	2.7	34
99	A comparison study of DRASTIC methods with various objective methods for groundwater vulnerability assessment. <i>Science of the Total Environment</i> , 2018, 642, 1032-1049.	8.0	151
100	Assortment and spatiotemporal analysis of surface water quality using cluster and discriminant analyses. <i>Catena</i> , 2017, 151, 247-258.	5.0	79
101	Evaluation of watershed scale changes in groundwater and soil moisture storage with the application of GRACE satellite imagery data. <i>Catena</i> , 2017, 153, 50-60.	5.0	38
102	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.	3.9	17
103	Analysis of rainfall trend and variability for agricultural water management in Awash River Basin, Ethiopia. <i>Journal of Water and Climate Change</i> , 2017, 8, 127-141.	2.9	50
104	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.	3.9	12
105	Developing Benthic Class Specific, Chlorophyll-a Retrieving Algorithms for Optically-Shallow Water Using SeaWiFS. <i>Sensors</i> , 2016, 16, 1749.	3.8	7
106	A Comprehensive Review on Water Quality Parameters Estimation Using Remote Sensing Techniques. <i>Sensors</i> , 2016, 16, 1298.	3.8	581
107	Spaceborne and airborne sensors in water quality assessment. <i>International Journal of Remote Sensing</i> , 2016, 37, 3143-3180.	2.9	33
108	Discriminant analysis application in spatiotemporal evaluation of water quality in South Florida. <i>Journal of Hydroinformatics</i> , 2016, 18, 1019-1032.	2.4	3



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109	Comparison of Space and Air-Borne Sensorsâ€™ Capabilities in Water Quality Monitoring. , 2016, , .		0
110	Streamflow prediction uncertainty analysis and verification of SWAT model in a tropical watershed. Environmental Earth Sciences, 2016, 75, 1.	2.7	34
111	An analysis on the urban heat island effect using radiosonde profiles and Landsat imagery with ground meteorological data in South Florida. International Journal of Remote Sensing, 2016, 37, 2313-2337.	2.9	9
112	Landscape Dynamics and Evapotranspiration. , 2016, , .		2
113	Analysis of Spatiotemporal Trends of Water Quality Parameters Using Cluster Analysis in South Florida. , 2016, , .		3
114	Long-term (11 years) study of water balance, flushing times and water chemistry of a coastal wetland undergoing restoration, Everglades, Florida, USA. Catena, 2016, 144, 74-83.	5.0	14
115	Water quality assessment and apportionment of pollution sources using APCS-MLR and PMF receptor modeling techniques in three major rivers of South Florida. Science of the Total Environment, 2016, 566-567, 1552-1567.	8.0	206
116	Bias correction and characterization of climate forecast system reâ€analysis daily precipitation in Ethiopia using fuzzy overlay. Meteorological Applications, 2016, 23, 230-243.	2.1	20
117	Application of Dempsterâ€™Shafer theory, spatial analysis and remote sensing for groundwater potentiality and nitrate pollution analysis in the semi-arid region of Khuzestan, Iran. Science of the Total Environment, 2016, 568, 1110-1123.	8.0	95
118	Evaluation of the Effects of Water Harvesting on Downstream Water Availability Using SWAT. Springer Geography, 2016, , 763-787.	0.4	5
119	Runoff Estimation and Water Demand Analysis for Holetta River, Awash Subbasin, Ethiopia Using SWAT and CropWat Models. Springer Geography, 2016, , 113-140.	0.4	3
120	GIS and Remote Sensing-Based Forest Resource Assessment, Quantification, and Mapping in Amhara Region, Ethiopia. Springer Geography, 2016, , 9-29.	0.4	13
121	Effect of Filter Press Mud on Compaction and Consistency of Aquert and Fluvent Soils in Ethiopia. Springer Geography, 2016, , 523-547.	0.4	1
122	Upstreamâ€™Downstream Linkages of Hydrological Processes in the Nile River Basin. Springer Geography, 2016, , 207-223.	0.4	8
123	Application of GIS-based data driven random forest and maximum entropy models for groundwater potential mapping: A case study at Mehran Region, Iran. Catena, 2016, 137, 360-372.	5.0	408
124	Climate Change Impact on Sediment Yield in the Upper Gilgel Abay Catchment, Blue Nile Basin, Ethiopia. Springer Geography, 2016, , 615-644.	0.4	34
125	Spatial Runoff Estimation and Mapping of Potential Water Harvesting Sites: A GIS and Remote Sensing Perspective, Northwest Ethiopia. Springer Geography, 2016, , 565-584.	0.4	10
126	Groundwater Vulnerability Analysis of the Tana Sub-basin: An Application of DRASTIC Index Method. Springer Geography, 2016, , 435-461.	0.4	6



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127	Water Resources Assessment and Geographic Information System (GIS)-Based Stormwater Runoff Estimates for Artificial Recharge of Freshwater Aquifers in New Providence, Bahamas. Springer Geography, 2016, , 411-434.	0.4	1
128	Evaluation of Technical Standards of Physical Soil and Water Conservation Practices and Their Role in Soil Loss Reduction: The Case of Debre Mewi Watershed, North-west Ethiopia. Springer Geography, 2016, , 789-818.	0.4	6
129	Landscape Dynamics, Soils and Hydrological Processes in Varied Climates. Springer Geography, 2016, , .	0.4	28
130	Effect of Filter Press Mud Application on Nutrient Availability in Aquert and Fluvent Soils of Wonji/Shoa Sugarcane Plantation of Ethiopia. Springer Geography, 2016, , 549-563.	0.4	3
131	Watershed Storage Dynamics in the Upper Blue Nile Basin: The Anjeni Experimental Watershed, Ethiopia. Springer Geography, 2016, , 261-277.	0.4	2
132	Flood Forecasting and Stream Flow Simulation of the Upper Awash River Basin, Ethiopia Using Geospatial Stream Flow Model (GeoSFM). Springer Geography, 2016, , 367-384.	0.4	7
133	Groundwater Recharge and Contribution to the Tana Sub-basin, Upper Blue Nile Basin, Ethiopia. Springer Geography, 2016, , 463-481.	0.4	5
134	Sediment Production in Ravines in the Lower Le Sueur River Watershed, Minnesota. Springer Geography, 2016, , 485-522.	0.4	2
135	Climate Change Impact on the Hydrology of Weyb River Watershed, Bale Mountainous Area, Ethiopia. Springer Geography, 2016, , 587-613.	0.4	8
136	Climate Change Impact on Stream Flow in the Upper Gilgel Abay Catchment, Blue Nile basin, Ethiopia. Springer Geography, 2016, , 645-673.	0.4	10
137	Climate Change Impact Assessment on Groundwater Recharge of the Upper Tiber Basin (Central Italy). Springer Geography, 2016, , 675-701.	0.4	2
138	Multitemporal Land Use/Land Cover Change Detection for the Batena Watershed, Rift Valley Lakes Basin, Ethiopia. Springer Geography, 2016, , 51-72.	0.4	12
139	Analyses of Land Use/Land Cover Change Dynamics in the Upland Watersheds of Upper Blue Nile Basin. Springer Geography, 2016, , 73-91.	0.4	8
140	Spatiotemporal Variability of Hydrological Variables of Dapo Watershed, Upper Blue Nile Basin, Ethiopia. Springer Geography, 2016, , 141-161.	0.4	2
141	Regional Scale Groundwater Flow Modeling for Wakel River Basin: A Case Study of Southern Rajasthan. Springer Geography, 2016, , 385-409.	0.4	0
142	Rainfall Runoff Processes and Modeling: The Case of Meja Watershed in the Upper Blue Nile Basin of Ethiopia. Springer Geography, 2016, , 183-206.	0.4	0
143	Runoff and Soil Loss Estimation Using N-SPECT in the Rio Grande de Anasco Watershed, Puerto Rico. Springer Geography, 2016, , 163-181.	0.4	0
144	Estimation of Climate Change Impacts on Water Resources in the Great River Watershed, Jamaica. Springer Geography, 2016, , 703-723.	0.4	0

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145	Landscape Changes Impact on Regional Hydrology and Climate. Springer Geography, 2016, , 31-50.	0.4	1
146	Spatial relationship of groundwaterâ€“phosphorus interaction in the Kissimmee river basin, South Florida. Hydrological Processes, 2015, 29, 1188-1197.	2.6	4
147	Flow Regime Classification and Hydrological Characterization: A Case Study of Ethiopian Rivers. Water (Switzerland), 2015, 7, 3149-3165.	2.7	39
148	Operational Actual Wetland Evapotranspiration Estimation for South Florida Using MODIS Imagery. Remote Sensing, 2015, 7, 3613-3632.	4.0	11
149	Supervised Classification of Benthic Reflectance in Shallow Subtropical Waters Using a Generalized Pixel-Based Classifier across a Time Series. Remote Sensing, 2015, 7, 5098-5116.	4.0	20
150	Performance of High Resolution Satellite Rainfall Products over Data Scarce Parts of Eastern Ethiopia. Remote Sensing, 2015, 7, 11639-11663.	4.0	55
151	4th International Symposium on Sensor Science (I3S2015): Conference Report. Sensors, 2015, 15, 24458-24465.	3.8	0
152	Spatial and temporal variability in spectral-based surface energy evapotranspiration measured from Landsat 5TM across two mangrove ecotones. Agricultural and Forest Meteorology, 2015, 213, 304-316.	4.8	20
153	Modeling of sediment yield in Maybar gauged watershed using SWAT, northeast Ethiopia. Catena, 2015, 127, 191-205.	5.0	125
154	Toward connecting subtropical algal blooms to freshwater nutrient sources using a long-term, spatially distributed, in situ chlorophyll-a record. Catena, 2015, 133, 119-127.	5.0	8
155	Sensors Best Paper Award 2015. Sensors, 2015, 15, 2228-2231.	3.8	0
156	Detecting land use/land cover changes in the Lake Hawaya (<sc>Ethiopia) drainage basin, 1957â€“2007. Lakes and Reservoirs: Research and Management, 2015, 20, 1-18.	0.9	22
157	A comparison of various artificial intelligence approaches performance for estimating suspended sediment load of river systems: a case study in United States. Environmental Monitoring and Assessment, 2015, 187, 189.	2.7	151
158	Understanding the Spatiotemporal Variability of Hydrological Processes for Integrating Watershed Management and Environmental Public Health in the Great River Basin, Jamaica. , 2015, , 533-561.		0
159	Assessing the potential of MODIS/Terra version 5 images to improve near shore lake bathymetric surveys. International Journal of Applied Earth Observation and Geoinformation, 2015, 36, 13-21.	2.8	11
160	Evaluating sediment storage dams: structural off-site sediment trapping measures in northwest Ethiopia. Cuadernos De Investigacion Geografica, 2015, 41, 7-22.	1.1	102
161	Sensors Best Paper Award 2014. Sensors, 2014, 14, 1898-1901.	3.8	1
162	Climate Change Impact on Water Resources and Adaptation Strategies in the Blue Nile River Basin. , 2014, , 389-404.		7

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