

# Mekonnen Gebremichael

## List of Publications by Year in descending order

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43  
papers

1,523  
citations

361413

20  
h-index

315739

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g-index

44  
all docs

44  
docs citations

44  
times ranked

1900  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Accuracy of Precipitation Forecasts at Timescales of 1–15 Days in the Volta River Basin. Remote Sensing, 2022, 14, 937.	4.0	3
2	The Skills of Medium-Range Precipitation Forecasts in the Senegal River Basin. Sustainability, 2022, 14, 3349.	3.2	5
3	Uncertainty assessment of LSTM based groundwater level predictions. Hydrological Sciences Journal, 2022, 67, 773-790.	2.6	10
4	What Drives Crop Land Use Change during Multi-Year Droughts in California's Central Valley? Prices or Concern for Water?. Remote Sensing, 2021, 13, 650.	4.0	15
5	Budyko-Based Long-Term Water and Energy Balance Closure in Global Watersheds From Earth Observations. Water Resources Research, 2021, 57, e2020WR028658.	4.2	19
6	Managed aquifer recharge implementation criteria to achieve water sustainability. Science of the Total Environment, 2021, 768, 144992.	8.0	69
7	Optimizing Precipitation Forecasts for Hydrological Catchments in Ethiopia Using Statistical Bias Correction and Multi-Modeling. Earth and Space Science, 2021, 8, e2019EA000933.	2.6	5
8	Post-Drought Groundwater Storage Recovery in California's Central Valley. Water Resources Research, 2021, 57, e2021WR030352.	4.2	17
9	Evaluation of Global Forecast System (GFS) Medium-Range Precipitation Forecasts in the Nile River Basin. Journal of Hydrometeorology, 2021, , .	1.9	1
10	Spatial and temporal variability of East African Kiremt season precipitation and large-scale teleconnections. International Journal of Climatology, 2020, 40, 1241-1254.	3.5	10
11	Empirical Distribution of Conditional Errors in Radar Rainfall Products. Geophysical Research Letters, 2020, 47, e2020GL090237.	4.0	3
12	Can Managed Aquifer Recharge Mitigate the Groundwater Overdraft in California's Central Valley?. Water Resources Research, 2020, 56, e2020WR027244.	4.2	30
13	Improving the Applicability of Hydrologic Models for Food-Energy-Water Nexus Studies Using Remote Sensing Data. Remote Sensing, 2020, 12, 599.	4.0	7
14	Remote Sensing-Based Assessment of the Crop, Energy and Water Nexus in the Central Valley, California. Remote Sensing, 2019, 11, 1701.	4.0	12
15	Seasonal Hydropower Planning for Data-Scarce Regions Using Multimodel Ensemble Forecasts, Remote Sensing Data, and Stochastic Programming. Water Resources Research, 2019, 55, 8583-8607.	4.2	17
16	Remote Sensing Based Assessment of Long-Term Riparian Vegetation Health in Proximity to Agricultural Lands with Herbicide Use History. Integrated Environmental Assessment and Management, 2019, 15, 528-543.	2.9	5
17	Climate change impacts on groundwater storage in the Central Valley, California. Climatic Change, 2019, 157, 387-406.	3.6	30
18	Climate-related trends of actual evapotranspiration over the Tibetan Plateau (1961–2010). International Journal of Climatology, 2018, 38, e48.	3.5	27

#	ARTICLE	IF	CITATIONS
19	A Framework for Validation of Remotely Sensed Precipitation and Evapotranspiration Based on the Budyko Hypothesis. <i>Water Resources Research</i> , 2017, 53, 8487-8499.	4.2	26
20	Parameter Estimation for Groundwater Models under Uncertain Irrigation Data. <i>Ground Water</i> , 2015, 53, 614-625.	1.3	8
21	Impacts of Raindrop Fall Velocity and Axis Ratio Errors on Dual-Polarization Radar Rainfall Estimation. <i>Journal of Hydrometeorology</i> , 2014, 15, 1849-1861.	1.9	12
22	Understanding the hydrologic sources and sinks in the Nile Basin using multisource climate and remote sensing data sets. <i>Water Resources Research</i> , 2014, 50, 8625-8650.	4.2	36
23	Accuracy of satellite rainfall estimates in the Blue Nile Basin: Lowland plain versus highland mountain. <i>Water Resources Research</i> , 2014, 50, 8775-8790.	4.2	66
24	Further evaluation of the Sim-ReSET model for ET estimation driven by only satellite inputs. <i>Hydrological Sciences Journal</i> , 2013, 58, 994-1012.	2.6	11
25	Evaluation of Empirical Remote Sensing-Based Equations for Estimating Soil Heat Flux. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91, 627-638.	1.8	6
26	Evaluation of Clear-Sky Incoming Radiation Estimating Equations Typically Used in Remote Sensing Evapotranspiration Algorithms. <i>Remote Sensing</i> , 2013, 5, 4735-4752.	4.0	11
27	Evaluation of High-Resolution Satellite Rainfall Products through Streamflow Simulation in a Hydrological Modeling of a Small Mountainous Watershed in Ethiopia. <i>Journal of Hydrometeorology</i> , 2012, 13, 338-350.	1.9	149
28	Nonparametric error model for a high resolution satellite rainfall product. <i>Water Resources Research</i> , 2011, 47, .	4.2	28
29	Evaluation of satellite rainfall products through hydrologic simulation in a fully distributed hydrologic model. <i>Water Resources Research</i> , 2011, 47, .	4.2	192
30	Impact of temperature and precipitation on propagation of intestinal schistosomiasis in an irrigated region in Ethiopia: suitability of satellite datasets. <i>Tropical Medicine and International Health</i> , 2011, 16, 1104-1111.	2.3	22
31	Evaluation of the TSM method for estimating the land surface moisture index and air temperature using ASTER and MODIS data in the North China Plain. <i>International Journal of Remote Sensing</i> , 2011, 32, 7257-7278.	2.9	9
32	On CMORPH Rainfall for Streamflow Simulation in a Small, Hortonian Watershed. <i>Journal of Hydrometeorology</i> , 2011, 12, 456-466.	1.9	20
33	Intercomparison of Sensible Heat Flux from Large Aperture Scintillometer and Eddy Covariance Methods: Field Experiment over a Homogeneous Semi-arid Region. <i>Boundary-Layer Meteorology</i> , 2010, 135, 151-159.	2.3	33
34	Critical Steps for Continuing Advancement of Satellite Rainfall Applications for Surface Hydrology in the Nile River Basin. <i>Journal of the American Water Resources Association</i> , 2010, 46, 361-366.	2.4	22
35	On the Critical Behaviour of Observed and Simulated Spatial Soil Moisture Fields during SGP97. <i>Remote Sensing</i> , 2010, 2, 2097-2110.	4.0	2
36	Evaluation Through Independent Measurements: Complex Terrain and Humid Tropical Region in Ethiopia. , 2010, , 205-214.		23

#	ARTICLE	IF	CITATIONS
37	River flow fluctuation analysis: Effect of watershed area. <i>Water Resources Research</i> , 2010, 46, .	4.2	46
38	Understanding the Scale Relationships of Uncertainty Propagation of Satellite Rainfall through a Distributed Hydrologic Model. <i>Journal of Hydrometeorology</i> , 2010, 11, 520-532.	1.9	98
39	Evaluation of High-Resolution Satellite Precipitation Products over Very Complex Terrain in Ethiopia. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1044-1051.	1.5	251
40	Rainfall Variability over Mountainous and Adjacent Lake Areas: The Case of Lake Tana Basin at the Source of the Blue Nile River. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1696-1717.	1.5	78
41	Evaluation of CMORPH Precipitation Products at Fine Spaceâ€“Time Scales. <i>Journal of Hydrometeorology</i> , 2009, 10, 300-307.	1.9	57
42	Application of Copulas to Modeling Temporal Sampling Errors in Satellite-Derived Rainfall Estimates. <i>Journal of Hydrologic Engineering - ASCE</i> , 2007, 12, 404-408.	1.9	28
43	A Scalable Earth Observationsâ€“Based Decision Support System for Hydropower Planning in Africa. <i>Journal of the American Water Resources Association</i> , 0, , .	2.4	1