

# Tibebu B Ayalew

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

316  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Connecting the power-law scaling structure of peak-discharges to spatially variable rainfall and catchment physical properties. <i>Advances in Water Resources</i> , 2014, 71, 32-43.	3.8	54
2	Exploring the effects of hillslope-channel link dynamics and excess rainfall properties on the scaling structure of peak-discharge. <i>Advances in Water Resources</i> , 2014, 64, 9-20.	3.8	49
3	Analyzing the effects of excess rainfall properties on the scaling structure of peak discharges: Insights from a mesoscale river basin. <i>Water Resources Research</i> , 2015, 51, 3900-3921.	4.2	37
4	Exploring the Effect of Reservoir Storage on Peak Discharge Frequency. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1697-1708.	1.9	28
5	Effect of Spatially Distributed Small Dams on Flood Frequency: Insights from the Soap Creek Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	27
6	Classical and generalized Horton laws for peak flows in rainfall-runoff events. <i>Chaos</i> , 2015, 25, 075408.	2.5	22
7	Effect of River Network Geometry on Flood Frequency: A Tale of Two Watersheds in Iowa. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	22
8	Participatory engineering for recovery in post-earthquake Haiti. <i>Engineering Studies</i> , 2014, 6, 159-190.	1.3	20
9	Attitudes toward post-earthquake water and sanitation management and payment options in Leogane, Haiti. <i>Water International</i> , 2013, 38, 744-757.	1.0	16
10	Insights into Expected Changes in Regulated Flood Frequencies due to the Spatial Configuration of Flood Retention Ponds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	1.9	16
11	Hydrologic investigations of radar-rainfall error propagation to rainfall-runoff model hydrographs. <i>Advances in Water Resources</i> , 2022, 161, 104145.	3.8	15
12	Assessing preferences regarding centralized and decentralized water infrastructure in post-earthquake Leogane, Haiti. <i>Earth Perspectives – Transdisciplinarity Enabled</i> , 2014, 1, 5.	1.4	4
13	Characterizing the effects of dry antecedent soil moisture conditions, channel transmission losses, and variable precipitation on peak flow scaling. <i>Advances in Water Resources</i> , 2021, 158, 104061.	3.8	4
14	Can floods in large river basins be predicted from floods observed in small subbasins?. <i>Journal of Flood Risk Management</i> , 2018, 11, 331-338.	3.3	2