

Ben Zaitchik

List of Publications by Year in descending order

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Version: 2024-02-01

195
papers

7,299
citations

66234

42
h-index

74018

75
g-index

210
all docs

210
docs citations

210
times ranked

8887
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations Between Eight Earth Observationâ€Derived Climate Variables and Enteropathogen Infection: An Independent Participant Data Metaâ€Analysis of Surveillance Studies With Broad Spectrum Nucleic Acid Diagnostics. <i>GeoHealth</i> , 2022, 6, e2021GH000452.	1.9	24
2	Lack of vegetation exacerbates exposure to dangerous heat in dense settlements in a tropical African city. <i>Environmental Research Letters</i> , 2022, 17, 024004.	2.2	16
3	A waveform skewness index for measuring time series nonlinearity and its applications to the ENSOâ€Indian monsoon relationship. <i>Nonlinear Processes in Geophysics</i> , 2022, 29, 1-15.	0.6	1
4	Topography Impacts Hydrology in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022, 14, 196.	1.2	2
5	Estimating changes in emergency department visits associated with floods caused by Tropical Storm Imelda using satellite observations and syndromic surveillance. <i>Health and Place</i> , 2022, 74, 102757.	1.5	3
6	Compound Effects of Climate Change on Future Transboundary Water Issues in the Middle East. <i>Earth's Future</i> , 2022, 10, .	2.4	4
7	Modulation of East African Boreal Fall Rainfall: Combined Effects of the Maddenâ€Julian Oscillation (MJO) and El NiÃ±oâ€Southern Oscillation (ENSO). <i>Journal of Climate</i> , 2022, 35, 2019-2034.	1.2	6
8	Toward park design optimization to mitigate the urban heat Island: Assessment of the cooling effect in five U.S. cities. <i>Sustainable Cities and Society</i> , 2022, 81, 103870.	5.1	32
9	The seasonality of cholera in sub-Saharan Africa: a statistical modelling study. <i>The Lancet Global Health</i> , 2022, 10, e831-e839.	2.9	11
10	Towards effective drought monitoring in the Middle East and North Africa (MENA) region: implications from assimilating leaf area index and soil moisture into the Noah-MP land surface model for Morocco. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2365-2386.	1.9	12
11	GeoHealth Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science. <i>Earth and Space Science</i> , 2022, 9, .	1.1	3
12	Flooding and emergency department visits: Effect modification by the CDC/ATSDR Social Vulnerability Index. <i>International Journal of Disaster Risk Reduction</i> , 2022, 76, 102986.	1.8	8
13	Coupled Model Intercomparison Project phase 5 and 6 representation of peak and end of rainy season over Upper Blue Nile basin. <i>International Journal of Climatology</i> , 2022, 42, 8489-8508.	1.5	2
14	Cascading Droughtâ€Heat Dynamics During the 2021 Southwest United States Heatwave. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	15
15	La NiÃ±a weather impacts dietary patterns and dietary diversity among children in the Peruvian Amazon. <i>Public Health Nutrition</i> , 2021, 24, 3477-3487.	1.1	5
16	Analyzing constraints in the water-energy-food nexus: The case of eucalyptus plantation in Ethiopia. <i>Ecological Economics</i> , 2021, 180, 106875.	2.9	12
17	Irrigation Water Demand Sensitivity to Climate Variability Across the Contiguous United States. <i>Water Resources Research</i> , 2021, 57, 2020WR027738.	1.7	23
18	Indoor heat exposure in Baltimore: does outdoor temperature matter?. <i>International Journal of Biometeorology</i> , 2021, 65, 479-488.	1.3	8

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19	North Atlantic centers of action and seasonal to subseasonal temperature variability in Europe and eastern North America. <i>International Journal of Climatology</i> , 2021, 41, E1775.	1.5	4
20	Optimization-Based Systems Modeling for the Food-Energy-Water Nexus. <i>Current Sustainable/Renewable Energy Reports</i> , 2021, 8, 4-16.	1.2	7
21	Developing a hydrological monitoring and sub-seasonal to seasonal forecasting system for South and Southeast Asian river basins. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 41-61.	1.9	5
22	Land Cover Change in the Blue Nile River Headwaters: Farmers's Perceptions, Pressures, and Satellite-Based Mapping. <i>Land</i> , 2021, 10, 68.	1.2	22
23	A Regional Drought Monitoring and Outlook System for South Asia. , 2021, , 59-78.		0
24	The Impact of Climate Change on Agriculture Production in Ethiopia: Application of a Dynamic Computable General Equilibrium Model. <i>American Journal of Climate Change</i> , 2021, 10, 32-50.	0.5	19
25	Characterization of heat index experienced by individuals residing in urban and rural settings. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 641-653.	1.8	10
26	Mapping and Quantifying Comprehensive Land Degradation Status Using Spatial Multicriteria Evaluation Technique in the Headwaters Area of Upper Blue Nile River. <i>Sustainability</i> , 2021, 13, 2244.	1.6	19
27	A Continuum Approach to Understanding Changes in the ENSO's Indian Monsoon Relationship. <i>Journal of Climate</i> , 2021, 34, 1549-1561.	1.2	3
28	Flash drought onset over the contiguous United States: sensitivity of inventories and trends to quantitative definitions. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 565-581.	1.9	47
29	A Two-Step Integrated MLP-GTWR Method to Estimate 1 km Land Surface Temperature with Complete Spatial Coverage in Humid, Cloudy Regions. <i>Remote Sensing</i> , 2021, 13, 971.	1.8	10
30	A Bayesian adaptive reservoir operation framework incorporating streamflow non-stationarity. <i>Journal of Hydrology</i> , 2021, 594, 125959.	2.3	9
31	Challenges in Reconciling Satellite-Based and Locally Reported Estimates of Wetland Change: A Case of Topographically Constrained Wetlands on the Eastern Tibetan Plateau. <i>Remote Sensing</i> , 2021, 13, 1484.	1.8	2
32	Shaping the Future of Science: COVID-19 Highlighting the Importance of GeoHealth. <i>GeoHealth</i> , 2021, 5, e2021GH000412.	1.9	5
33	Associations between meteorology and COVID-19 in early studies: Inconsistencies, uncertainties, and recommendations. <i>One Health</i> , 2021, 12, 100225.	1.5	46
34	The 2020 WMO Symposium on Climatological, Meteorological and Environmental factors in the COVID-19 pandemic: A special issue from symposium presentations. <i>One Health</i> , 2021, 12, 100243.	1.5	3
35	Influence of the Boreal Summer Intra-Seasonal Oscillation on rainfall in the Blue Nile Basin. <i>Climate Dynamics</i> , 2021, 57, 3433-3445.	1.7	3
36	Estimation of Suspended Sediment Concentration from Remote Sensing and In Situ Measurement over Lake Tana, Ethiopia. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-17.	0.4	5

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37	Emergency department visits associated with satellite observed flooding during and following Hurricane Harvey. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 832-841.	1.8	15
38	Monitoring intra-urban temperature with dense sensor networks: Fixed or mobile? An empirical study in Baltimore, MD. <i>Urban Climate</i> , 2021, 39, 100979.	2.4	6
39	ENSO Teleconnection to Eastern African Summer Rainfall in Global Climate Models: Role of the Tropical Easterly Jet. <i>Journal of Climate</i> , 2021, 34, 293-312.	1.2	7
40	A framework for interdisciplinary research in food systems. <i>Nature Food</i> , 2021, 2, 1-3.	6.2	10
41	Earth observations of extreme heat events: leveraging current capabilities to enhance heat research and action. <i>Environmental Research Letters</i> , 2021, 16, 111002.	2.2	10
42	Analysis of agriculturally relevant rainfall characteristics in a tropical highland region: An agroecosystem perspective. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108697.	1.9	4
43	Simulating Behavioral Influences on Community Flood Risk under Future Climate Scenarios. <i>Risk Analysis</i> , 2020, 40, 884-898.	1.5	14
44	Spatial and temporal variation in the isotopic composition of Ethiopian precipitation. <i>Journal of Hydrology</i> , 2020, 585, 124364.	2.3	20
45	GRACE Improves Seasonal Groundwater Forecast Initialization over the United States. <i>Journal of Hydrometeorology</i> , 2020, 21, 59-71.	0.7	29
46	Impact of water and energy infrastructure on local well-being: an agent-based analysis of the water-energy-food nexus. <i>Structural Change and Economic Dynamics</i> , 2020, 55, 165-176.	2.1	15
47	Evaluation of remotely sensed prediction and forecast models for <i>Vibrio parahaemolyticus</i> in the Chesapeake Bay. <i>Remote Sensing of Environment</i> , 2020, 250, 112016.	4.6	16
48	A framework for research linking weather, climate and COVID-19. <i>Nature Communications</i> , 2020, 11, 5730.	5.8	44
49	Impact of hydropower development on rural livelihood: An agent-based exploration. <i>Journal of Cleaner Production</i> , 2020, 275, 122333.	4.6	13
50	A GeoHealth Response to a Geoscience Community Climate Change Position Statement. <i>GeoHealth</i> , 2020, 4, e2020GH000265.	1.9	1
51	Evaluation of Satellite Rainfall Estimates for Meteorological Drought Analysis over the Upper Blue Nile Basin, Ethiopia. <i>Geosciences (Switzerland)</i> , 2020, 10, 352.	1.0	20
52	Associations between Household-Level Exposures and All-Cause Diarrhea and Pathogen-Specific Enteric Infections in Children Enrolled in Five Sentinel Surveillance Studies. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8078.	1.2	18
53	Methods for Estimating Wet Bulb Globe Temperature From Remote and Low-Cost Data: A Comparative Study in Central Alabama. <i>GeoHealth</i> , 2020, 4, e2019GH000231.	1.9	18
54	Night and day: The influence and relative importance of urban characteristics on remotely sensed land surface temperature. <i>Remote Sensing of Environment</i> , 2020, 247, 111861.	4.6	85

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55	What Are the Domestic and Regional Impacts From Ethiopia's Policy on the Export Ban of Teff?. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	10
56	Temperature anomalies affect violent conflicts in African and Middle Eastern warm regions. <i>Global Environmental Change</i> , 2020, 63, 102118.	3.6	12
57	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
58	A Data-Driven Framework to Characterize State-Level Water Use in the United States. <i>Water Resources Research</i> , 2020, 56, e2019WR024894.	1.7	12
59	The NASA Hydrological Forecast System for Food and Water Security Applications. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1007-E1025.	1.7	31
60	Water, Geography, and Aksumite Civilization: The Southern Red Sea Archaeological Histories (SRSAH) Project Survey (2009-2016). <i>African Archaeological Review</i> , 2020, 37, 51-67.	0.8	15
61	Madden-Julian oscillation influence on sub-seasonal rainfall variability on the west of South America. <i>Climate Dynamics</i> , 2020, 54, 2167-2185.	1.7	15
62	Pathogen-Specific Impacts of the 2011-2012 La Niña-Associated Floods on Enteric Infections in the MAL-ED Peru Cohort: A Comparative Interrupted Time Series Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 487.	1.2	26
63	Local Perceptions of Water-Energy-Food Security: Livelihood Consequences of Dam Construction in Ethiopia. <i>Sustainability</i> , 2020, 12, 2161.	1.6	24
64	Strength of Linkages Between Dust and Circulation Over North Africa: Results From a Coupled Modeling System With Active Dust. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030961.	1.2	4
65	Climate has contrasting direct and indirect effects on armed conflicts. <i>Environmental Research Letters</i> , 2020, 15, 104017.	2.2	19
66	A skewed perspective of the Indian rainfall-El Niño-Southern Oscillation (ENSO) relationship. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5473-5489.	1.9	4
67	Improving early warning of drought-driven food insecurity in southern Africa using operational hydrological monitoring and forecasting products. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 1187-1201.	1.5	17
68	Better Advance Warnings of Drought: A New NASA Hydrological Forecast System. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, 899-903.	1.7	1
69	Estimating the Impact of Drought on Agriculture Using the U.S. Drought Monitor. <i>American Journal of Agricultural Economics</i> , 2019, 101, 193-210.	2.4	97
70	A macroinvertebrate multi-metric index for Ethiopian highland streams. <i>Hydrobiologia</i> , 2019, 843, 125-141.	1.0	17
71	<i>Vibrio parahaemolyticus</i> in the Chesapeake Bay: Operational <i>In Situ</i> Prediction and Forecast Models Can Benefit from Inclusion of Lagged Water Quality Measurements. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	12
72	Changing Patterns of Tree Cover in a Tropical Highland Region and Implications for Food, Energy, and Water Resources. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	28

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73	Earth Observation and Climate Services for Food Security and Agricultural Decision Making in South and Southeast Asia. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES171-ES174.	1.7	2
74	Explaining National Trends in Terrestrial Water Storage. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	7
75	A Grand Prediction: Communicating and Evaluating 2018 Summertime Upper Blue Nile Rainfall and Streamflow Forecasts in Preparation for Ethiopia's New Dam. <i>Frontiers in Water</i> , 2019, 1, .	1.0	8
76	Global GRACE Data Assimilation for Groundwater and Drought Monitoring: Advances and Challenges. <i>Water Resources Research</i> , 2019, 55, 7564-7586.	1.7	229
77	Evaluating the Uncertainty of Terrestrial Water Budget Components Over High Mountain Asia. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	47
78	Potential for city parks to reduce exposure to BTEX in air. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 40-50.	1.7	11
79	Use of earth observation-derived hydrometeorological variables to model and predict rotavirus infection (MAL-ED): a multisite cohort study. <i>Lancet Planetary Health</i> , The, 2019, 3, e248-e258.	5.1	22
80	Vulnerability of sorghum production to extreme, sub-seasonal weather under climate change. <i>Environmental Research Letters</i> , 2019, 14, 045005.	2.2	49
81	Land Use Evaluation over the Jema Watershed, in the Upper Blue Nile River Basin, Northwestern Highlands of Ethiopia. <i>Land</i> , 2019, 8, 50.	1.2	6
82	Influence of the Spatial Resolution of the Exposure Estimate in Determining the Association between Heat Waves and Adverse Health Outcomes. <i>Annals of the American Association of Geographers</i> , 2019, 109, 875-886.	1.5	10
83	Estimating variability in downwelling surface shortwave radiation in a tropical highland environment. <i>PLoS ONE</i> , 2019, 14, e0211220.	1.1	10
84	Analysis of the Spatial Patterns of Rainfall across the Agro-Climatic Zones of Jema Watershed in the Northwestern Highlands of Ethiopia. <i>Geosciences (Switzerland)</i> , 2019, 9, 22.	1.0	7
85	Enabling Stakeholder Decision-Making With Earth Observation and Modeling Data Using Tethys Platform. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	13
86	Rainfall Variability across the Agro-Climatic Zones of a Tropical Highland: The Case of the Jema Watershed, Northwestern Ethiopia. <i>Environments - MDPI</i> , 2019, 6, 118.	1.5	10
87	Assimilating GRACE Into a Land Surface Model in the Presence of an Irrigation-Induced Groundwater Trend. <i>Water Resources Research</i> , 2019, 55, 11274-11294.	1.7	42
88	Estimating Occupational Heat Exposure From Personal Sampling of Public Works Employees in Birmingham, Alabama. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, 518-524.	0.9	16
89	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
90	Erosion hotspot identification in the sub-humid Ethiopian highlands. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 146-154.	1.0	34

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91	A predictive model for Lake Chad total surface water area using remotely sensed and modeled hydrological and meteorological parameters and multivariate regression analysis. <i>Journal of Hydrology</i> , 2019, 568, 1071-1080.	2.3	20
92	Examining the role of unusually warm Indo-Pacific sea surface temperatures in recent African droughts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 360-383.	1.0	70
93	The Value of Remotely Sensed Information: The Case of a GRACE-Enhanced Drought Severity Index. <i>Weather, Climate, and Society</i> , 2018, 10, 187-203.	0.5	18
94	Shocks, seasonality, and disaggregation: Modelling food security through the integration of agricultural, transportation, and economic systems. <i>Agricultural Systems</i> , 2018, 164, 165-184.	3.2	26
95	Groundwater Withdrawals Under Drought: Reconciling GRACE and Land Surface Models in the United States High Plains Aquifer. <i>Water Resources Research</i> , 2018, 54, 5282-5299.	1.7	49
96	Can Multispectral Information Improve Remotely Sensed Estimates of Total Suspended Solids? A Statistical Study in Chesapeake Bay. <i>Remote Sensing</i> , 2018, 10, 1393.	1.8	28
97	Characterizing climate change risks by linking robust decision frameworks and uncertain probabilistic projections. <i>Climatic Change</i> , 2018, 151, 525-539.	1.7	20
98	Influence of Precipitation Forcing Uncertainty on Hydrological Simulations with the NASA South Asia Land Data Assimilation System. <i>Hydrology</i> , 2018, 5, 57.	1.3	21
99	Analysis of the Spatial Variability of Soil Texture in a Tropical Highland: The Case of the Jema Watershed, Northwestern Highlands of Ethiopia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1903.	1.2	13
100	Simulated Dust Aerosol Impacts on Western Sahelian Rainfall: Importance of Ocean Coupling. <i>Journal of Climate</i> , 2018, 31, 9107-9124.	1.2	9
101	Hyperspectral satellite imagery detection of ancient raw material sources: Soft-stone vessel production at Aqir al-Shamoos (Oman). <i>Archaeological Prospection</i> , 2018, 25, 363-374.	1.1	4
102	Heat waves and fatal traffic crashes in the continental United States. <i>Accident Analysis and Prevention</i> , 2018, 119, 195-201.	3.0	32
103	Lake Chad Total Surface Water Area as Derived from Land Surface Temperature and Radar Remote Sensing Data. <i>Remote Sensing</i> , 2018, 10, 252.	1.8	31
104	Evaluating meteorological data from weather stations, and from satellites and global models for a multi-site epidemiological study. <i>Environmental Research</i> , 2018, 165, 91-109.	3.7	62
105	Out of the net: An agent-based model to study human movements influence on local-scale malaria transmission. <i>PLoS ONE</i> , 2018, 13, e0193493.	1.1	20
106	Identifying Key Water Resource Vulnerabilities in Data-Scarce Transboundary River Basins. <i>Water Resources Research</i> , 2018, 54, 5264-5281.	1.7	13
107	Impacts of Anthropogenic Heat on Summertime Rainfall in Beijing. <i>Journal of Hydrometeorology</i> , 2017, 18, 693-712.	0.7	38
108	The Role of Low-Level, Terrain-Induced Jets in Rainfall Variability in Tigris-Euphrates Headwaters. <i>Journal of Hydrometeorology</i> , 2017, 18, 819-835.	0.7	9

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109	Are the Central Andes Mountains a Warming Hot Spot?. <i>Journal of Climate</i> , 2017, 30, 3589-3608.	1.2	19
110	El Niño and the shifting geography of cholera in Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4436-4441.	3.3	68
111	Enhancing Dynamical Seasonal Predictions through Objective Regionalization. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1431-1442.	0.6	2
112	Trend and periodicity of drought over Ethiopia. <i>International Journal of Climatology</i> , 2017, 37, 4733-4748.	1.5	65
113	Monthly flooded area classification using low resolution SAR imagery in the Sudd wetland from 2007 to 2011. <i>Remote Sensing of Environment</i> , 2017, 194, 205-218.	4.6	23
114	Characterizing Particulate Matter Exfiltration Estimates for Alternative Cookstoves in a Village-Like Household in Rural Nepal. <i>Environmental Management</i> , 2017, 60, 797-808.	1.2	4
115	The role of local heating in the 2015 Indian Heat Wave. <i>Scientific Reports</i> , 2017, 7, 7707.	1.6	30
116	Individual and community level factors with a significant role in determining child height-for-age Z score in East Gojjam Zone, Amhara Regional State, Ethiopia: a multilevel analysis. <i>Archives of Public Health</i> , 2017, 75, 27.	1.0	15
117	Modeling the impact of highland settlements on ecological disturbance of streams in Choke Mountain Catchment: Macroinvertebrate assemblages and water quality. <i>Ecological Indicators</i> , 2017, 73, 452-459.	2.6	14
118	The NASA Global Flood Mapping System. <i>Springer Remote Sensing/photogrammetry</i> , 2017, , 47-63.	0.4	22
119	Robust decision making in data scarce contexts: addressing data and model limitations for infrastructure planning under transient climate change. <i>Climatic Change</i> , 2017, 140, 323-337.	1.7	18
120	NASA's Remotely Sensed Precipitation: A Reservoir for Applications Users. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1169-1184.	1.7	90
121	Intraurban Temperature Variability in Baltimore. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 159-171.	0.6	23
122	Madden-Julian Oscillation impacts on tropical African precipitation. <i>Atmospheric Research</i> , 2017, 184, 88-102.	1.8	46
123	Temperature and heat in informal settlements in Nairobi. <i>PLoS ONE</i> , 2017, 12, e0187300.	1.1	50
124	Opportunities and Challenges for Personal Heat Exposure Research. <i>Environmental Health Perspectives</i> , 2017, 125, 085001.	2.8	110
125	Machine learning methods for empirical streamflow simulation: a comparison of model accuracy, interpretability, and uncertainty in seasonal watersheds. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2611-2628.	1.9	183
126	Land Cover Classification in Complex and Fragmented Agricultural Landscapes of the Ethiopian Highlands. <i>Remote Sensing</i> , 2016, 8, 1020.	1.8	25

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127	Using climate regionalization to understand Climate Forecast System Version 2 (CFSv2) precipitation performance for the Conterminous United States (CONUS). <i>Geophysical Research Letters</i> , 2016, 43, 6485-6492.	1.5	6
128	Assimilation of Gridded GRACE Terrestrial Water Storage Estimates in the North American Land Data Assimilation System. <i>Journal of Hydrometeorology</i> , 2016, 17, 1951-1972.	0.7	137
129	Interdecadal <i>Trichodesmium</i> variability in cold North Atlantic waters. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1620-1638.	1.9	12
130	Applying Earth Observations to Water Resources Challenges. <i>Springer Remote Sensing/photogrammetry</i> , 2016, , 147-171.	0.4	1
131	Regionalizing Africa: Patterns of Precipitation Variability in Observations and Global Climate Models. <i>Journal of Climate</i> , 2016, 29, 9027-9043.	1.2	23
132	Climate Information for Arbovirus Risk Monitoring: Opportunities and Challenges. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES107-ES111.	1.7	2
133	Linking Seasonal Predictions to Decision-Making and Disaster Management in the Greater Horn of Africa. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES89-ES92.	1.7	18
134	Agroecosystem specific climate vulnerability analysis: application of the livelihood vulnerability index to a tropical highland region. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 39-65.	1.0	136
135	A Review of Drought in the Middle East and Southwest Asia. <i>Journal of Climate</i> , 2016, 29, 8547-8574.	1.2	163
136	Perspectives on <i>CMIP5</i> model performance in the Nile River headwaters regions. <i>International Journal of Climatology</i> , 2015, 35, 4262-4275.	1.5	43
137	The question of Sudan: a hydro-economic optimization model for the Sudanese Blue Nile. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2275-2293.	1.9	27
138	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. <i>Environmental Modelling and Software</i> , 2015, 67, 149-159.	1.9	95
139	A tool for hierarchical climate regionalization. <i>Earth Science Informatics</i> , 2015, 8, 949-958.	1.6	37
140	Impact of Irrigation Methods on Land Surface Model Spinup and Initialization of WRF Forecasts. <i>Journal of Hydrometeorology</i> , 2015, 16, 1135-1154.	0.7	75
141	Regional Atmospheric Circulation and Rainfall Variability in South Equatorial Africa. <i>Journal of Climate</i> , 2015, 28, 809-818.	1.2	44
142	Climate, agriculture, and hunger: statistical prediction of undernourishment using nonlinear regression and data-mining techniques. <i>Journal of Applied Statistics</i> , 2015, 42, 2367-2390.	0.6	11
143	Determining Particulate Matter and Black Carbon Exfiltration Estimates for Traditional Cookstove Use in Rural Nepalese Village Households. <i>Environmental Science & Technology</i> , 2015, 49, 5555-5562.	4.6	27
144	The Madden-Julian Oscillation's Influence on Spring Rainy Season Precipitation over Equatorial West Africa*. <i>Journal of Climate</i> , 2015, 28, 8653-8672.	1.2	31

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145	A meta-analysis of plant facilitation in coastal dune systems: responses, regions, and research gaps. <i>PeerJ</i> , 2015, 3, e768.	0.9	13
146	Methods for Estimating Population Density in Data-Limited Areas: Evaluating Regression and Tree-Based Models in Peru. <i>PLoS ONE</i> , 2014, 9, e100037.	1.1	14
147	The Sustainability of Community-Based Adaptation Projects in the Blue Nile Highlands of Ethiopia. <i>Sustainability</i> , 2014, 6, 4308-4325.	1.6	28
148	Heat Waves and Health Outcomes in Alabama (USA): The Importance of Heat Wave Definition. <i>Environmental Health Perspectives</i> , 2014, 122, 151-158.	2.8	131
149	Subseasonal Analysis of Precipitation Variability in the Blue Nile River Basin. <i>Journal of Climate</i> , 2014, 27, 325-344.	1.2	42
150	Modulation of Daily Precipitation over East Africa by the Madden-Julian Oscillation*. <i>Journal of Climate</i> , 2014, 27, 6016-6034.	1.2	61
151	Application of Statistical Models to the Prediction of Seasonal Rainfall Anomalies over the Sahel. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 614-636.	0.6	42
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