

Ben Zaitchik

List of Publications by Year in descending order

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195
papers

7,299
citations

66343
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h-index

74163
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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.	4.0	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.	5.2	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.	1.3	1
4	Topography Impacts Hydrology in the Sub-Humid Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022, 14, 196.	2.7	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.	3.3	3
6	Compound Effects of Climate Change on Future Transboundary Water Issues in the Middle East. <i>Earth's Future</i> , 2022, 10, .	6.3	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.	3.2	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.	10.4	32
9	The seasonality of cholera in sub-Saharan Africa: a statistical modelling study. <i>The Lancet Global Health</i> , 2022, 10, e831-e839.	6.3	11
10	Towards effective drought monitoring in the Middle East and North AfricaÂ(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.	4.9	12
11	GeoHealth Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science. <i>Earth and Space Science</i> , 2022, 9, .	2.6	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.	3.9	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.	3.5	2
14	Cascading Droughtâ€Heat Dynamics During the 2021 Southwest United States Heatwave. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	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.	2.2	5
16	Analyzing constraints in the water-energy-food nexus: The case of eucalyptus plantation in Ethiopia. <i>Ecological Economics</i> , 2021, 180, 106875.	5.7	12
17	Irrigation Water Demand Sensitivity to Climate Variability Across the Contiguous United States. <i>Water Resources Research</i> , 2021, 57, 2020WR027738.	4.2	23
18	Indoor heat exposure in Baltimore: does outdoor temperature matter?. <i>International Journal of Biometeorology</i> , 2021, 65, 479-488.	3.0	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.	3.5	4
20	Optimization-Based Systems Modeling for the Food-Energy-Water Nexus. <i>Current Sustainable/Renewable Energy Reports</i> , 2021, 8, 4-16.	2.6	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.	4.9	5
22	Land Cover Change in the Blue Nile River Headwaters: Farmersâ€™ Perceptions, Pressures, and Satellite-Based Mapping. <i>Land</i> , 2021, 10, 68.	2.9	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.	0.9	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.	3.9	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.	3.2	19
27	A Continuum Approach to Understanding Changes in the ENSOâ€“Indian Monsoon Relationship. <i>Journal of Climate</i> , 2021, 34, 1549-1561.	3.2	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.	4.9	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.	4.0	10
30	A Bayesian adaptive reservoir operation framework incorporating streamflow non-stationarity. <i>Journal of Hydrology</i> , 2021, 594, 125959.	5.4	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.	4.0	2
32	Shaping the Future of Science: COVIDâ€19 Highlighting the Importance of GeoHealth. <i>GeoHealth</i> , 2021, 5, e2021GH000412.	4.0	5
33	Associations between meteorology and COVID-19 in early studies: Inconsistencies, uncertainties, and recommendations. <i>One Health</i> , 2021, 12, 100225.	3.4	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.	3.4	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.	3.8	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.	0.7	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.	3.9	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.	5.7	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.	3.2	7
40	A framework for interdisciplinary research in food systems. <i>Nature Food</i> , 2021, 2, 1-3.	14.0	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.	5.2	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.	4.8	4
43	Simulating Behavioral Influences on Community Flood Risk under Future Climate Scenarios. <i>Risk Analysis</i> , 2020, 40, 884-898.	2.7	14
44	Spatial and temporal variation in the isotopic composition of Ethiopian precipitation. <i>Journal of Hydrology</i> , 2020, 585, 124364.	5.4	20
45	GRACE Improves Seasonal Groundwater Forecast Initialization over the United States. <i>Journal of Hydrometeorology</i> , 2020, 21, 59-71.	1.9	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.	4.5	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.	11.0	16
48	A framework for research linking weather, climate and COVID-19. <i>Nature Communications</i> , 2020, 11, 5730.	12.8	44
49	Impact of hydropower development on rural livelihood: An agent-based exploration. <i>Journal of Cleaner Production</i> , 2020, 275, 122333.	9.3	13
50	A GeoHealth Response to a Geoscience Community Climate Change Position Statement. <i>GeoHealth</i> , 2020, 4, e2020GH000265.	4.0	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.	2.2	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.	2.6	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.	4.0	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.	11.0	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, .	3.9	10
56	Temperature anomalies affect violent conflicts in African and Middle Eastern warm regions. <i>Global Environmental Change</i> , 2020, 63, 102118.	7.8	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.	7.8	19
58	A Data-Driven Framework to Characterize State-Level Water Use in the United States. <i>Water Resources Research</i> , 2020, 56, e2019WR024894.	4.2	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.	3.3	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.	1.4	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.	3.8	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.	2.6	26
63	Local Perceptions of Water-Energy-Food Security: Livelihood Consequences of Dam Construction in Ethiopia. <i>Sustainability</i> , 2020, 12, 2161.	3.2	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.	3.3	4
65	Climate has contrasting direct and indirect effects on armed conflicts. <i>Environmental Research Letters</i> , 2020, 15, 104017.	5.2	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.	4.9	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.	3.6	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.	3.3	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.	4.3	97
70	A macroinvertebrate multi-metric index for Ethiopian highland streams. <i>Hydrobiologia</i> , 2019, 843, 125-141.	2.0	17
71	<i>Vibrio parahaemolyticus</i> in the Chesapeake Bay: Operational In Situ Prediction and Forecast Models Can Benefit from Inclusion of Lagged Water Quality Measurements. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	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, .	3.3	28

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73	Earth Observation and Climate Services for Food Security and Agricultural Decision Making in South and Southeast Asia. Bulletin of the American Meteorological Society, 2019, 100, ES171-ES174.	3.3	2
74	Explaining National Trends in Terrestrial Water Storage. Frontiers in Environmental Science, 2019, 7, .	3.3	7
75	A Grand Prediction: Communicating and Evaluating 2018 Summertime Upper Blue Nile Rainfall and Streamflow Forecasts in Preparation for Ethiopia's New Dam. Frontiers in Water, 2019, 1, .	2.3	8
76	Global GRACE Data Assimilation for Groundwater and Drought Monitoring: Advances and Challenges. Water Resources Research, 2019, 55, 7564-7586.	4.2	229
77	Evaluating the Uncertainty of Terrestrial Water Budget Components Over High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	1.8	47
78	Potential for city parks to reduce exposure to BTEX in air. Environmental Sciences: Processes and Impacts, 2019, 21, 40-50.	3.5	11
79	Use of earth observation-derived hydrometeorological variables to model and predict rotavirus infection (MAL-ED): a multisite cohort study. Lancet Planetary Health, The, 2019, 3, e248-e258.	11.4	22
80	Vulnerability of sorghum production to extreme, sub-seasonal weather under climate change. Environmental Research Letters, 2019, 14, 045005.	5.2	49
81	Land Use Evaluation over the Jema Watershed, in the Upper Blue Nile River Basin, Northwestern Highlands of Ethiopia. Land, 2019, 8, 50.	2.9	6
82	Influence of the Spatial Resolution of the Exposure Estimate in Determining the Association between Heat Waves and Adverse Health Outcomes. Annals of the American Association of Geographers, 2019, 109, 875-886.	2.2	10
83	Estimating variability in downwelling surface shortwave radiation in a tropical highland environment. PLoS ONE, 2019, 14, e0211220.	2.5	10
84	Analysis of the Spatial Patterns of Rainfall across the Agro-Climatic Zones of Jema Watershed in the Northwestern Highlands of Ethiopia. Geosciences (Switzerland), 2019, 9, 22.	2.2	7
85	Enabling Stakeholder Decision-Making With Earth Observation and Modeling Data Using Tethys Platform. Frontiers in Environmental Science, 2019, 7, .	3.3	13
86	Rainfall Variability across the Agro-Climatic Zones of a Tropical Highland: The Case of the Jema Watershed, Northwestern Ethiopia. Environments - MDPI, 2019, 6, 118.	3.3	10
87	Assimilating GRACE Into a Land Surface Model in the Presence of an Irrigationâ€nduced Groundwater Trend. Water Resources Research, 2019, 55, 11274-11294.	4.2	42
88	Estimating Occupational Heat Exposure From Personal Sampling of Public Works Employees in Birmingham, Alabama. Journal of Occupational and Environmental Medicine, 2019, 61, 518-524.	1.7	16
89	Impact of Soil Conservation and Eucalyptus on Hydrology and Soil Loss in the Ethiopian Highlands. Water (Switzerland), 2019, 11, 2299.	2.7	23
90	Erosion hotspot identification in the sub-humid Ethiopian highlands. Ecohydrology and Hydrobiology, 2019, 19, 146-154.	2.3	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.	5.4	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.	2.7	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.	1.1	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.	6.1	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.	4.2	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.	4.0	28
97	Characterizing climate change risks by linking robust decision frameworks and uncertain probabilistic projections. <i>Climatic Change</i> , 2018, 151, 525-539.	3.6	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.	3.0	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.	2.6	13
100	Simulated Dust Aerosol Impacts on Western Sahelian Rainfall: Importance of Ocean Coupling. <i>Journal of Climate</i> , 2018, 31, 9107-9124.	3.2	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.	2.2	4
102	Heat waves and fatal traffic crashes in the continental United States. <i>Accident Analysis and Prevention</i> , 2018, 119, 195-201.	5.7	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.	4.0	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.	7.5	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.	2.5	20
106	Identifying Key Water Resource Vulnerabilities in Data-Scarce Transboundary River Basins. <i>Water Resources Research</i> , 2018, 54, 5264-5281.	4.2	13
107	Impacts of Anthropogenic Heat on Summertime Rainfall in Beijing. <i>Journal of Hydrometeorology</i> , 2017, 18, 693-712.	1.9	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.	1.9	9

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109	Are the Central Andes Mountains a Warming Hot Spot?. <i>Journal of Climate</i> , 2017, 30, 3589-3608.	3.2	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.	7.1	68
111	Enhancing Dynamical Seasonal Predictions through Objective Regionalization. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1431-1442.	1.5	2
112	Trend and periodicity of drought over Ethiopia. <i>International Journal of Climatology</i> , 2017, 37, 4733-4748.	3.5	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.	11.0	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.	2.7	4
115	The role of local heating in the 2015 Indian Heat Wave. <i>Scientific Reports</i> , 2017, 7, 7707.	3.3	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.	2.4	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.	6.3	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.	3.6	18
120	NASA's Remotely Sensed Precipitation: A Reservoir for Applications Users. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1169-1184.	3.3	90
121	Intraurban Temperature Variability in Baltimore. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 159-171.	1.5	23
122	Madden-Julian Oscillation impacts on tropical African precipitation. <i>Atmospheric Research</i> , 2017, 184, 88-102.	4.1	46
123	Temperature and heat in informal settlements in Nairobi. <i>PLoS ONE</i> , 2017, 12, e0187300.	2.5	50
124	Opportunities and Challenges for Personal Heat Exposure Research. <i>Environmental Health Perspectives</i> , 2017, 125, 085001.	6.0	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.	4.9	183
126	Land Cover Classification in Complex and Fragmented Agricultural Landscapes of the Ethiopian Highlands. <i>Remote Sensing</i> , 2016, 8, 1020.	4.0	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.	4.0	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.	1.9	137
129	Interdecadal <i>Trichodesmium</i> variability in cold North Atlantic waters. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1620-1638.	4.9	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.	3.2	23
132	Climate Information for Arbovirus Risk Monitoring: Opportunities and Challenges. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES107-ES111.	3.3	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.	3.3	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.	2.1	136
135	A Review of Drought in the Middle East and Southwest Asia. <i>Journal of Climate</i> , 2016, 29, 8547-8574.	3.2	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.	3.5	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.	4.9	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.	4.5	95
139	A tool for hierarchical climate regionalization. <i>Earth Science Informatics</i> , 2015, 8, 949-958.	3.2	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.	1.9	75
141	Regional Atmospheric Circulation and Rainfall Variability in South Equatorial Africa. <i>Journal of Climate</i> , 2015, 28, 809-818.	3.2	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.	1.3	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.	10.0	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.	3.2	31

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145	A meta-analysis of plant facilitation in coastal dune systems: responses, regions, and research gaps. PeerJ, 2015, 3, e768.	2.0	13
146	Methods for Estimating Population Density in Data-Limited Areas: Evaluating Regression and Tree-Based Models in Peru. PLoS ONE, 2014, 9, e100037.	2.5	14
147	The Sustainability of Community-Based Adaptation Projects in the Blue Nile Highlands of Ethiopia. Sustainability, 2014, 6, 4308-4325.	3.2	28
148	Heat Waves and Health Outcomes in Alabama (USA): The Importance of Heat Wave Definition. Environmental Health Perspectives, 2014, 122, 151-158.	6.0	131
149	Subseasonal Analysis of Precipitation Variability in the Blue Nile River Basin. Journal of Climate, 2014, 27, 325-344.	3.2	42
150	Modulation of Daily Precipitation over East Africa by the Madden-Julian Oscillation*. Journal of Climate, 2014, 27, 6016-6034.	3.2	61
151	Application of Statistical Models to the Prediction of Seasonal Rainfall Anomalies over the Sahel. Journal of Applied Meteorology and Climatology, 2014, 53, 614-636.	1.5	42
152	Satellite-based hybrid drought monitoring tool for prediction of vegetation condition in Eastern Africa: A case study for Ethiopia. Water Resources Research, 2014, 50, 2176-2190.	4.2	50
153	Impact of Climate Change on Vector-Borne Disease in the Amazon. , 2014, , 193-210.		3
154	Facilitative plant interactions and climate simultaneously drive alpine plant diversity. Ecology Letters, 2014, 17, 193-202.	6.4	274
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