

# Edward K Vizy

## List of Publications by Year in descending order

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53  
papers

2,548  
citations

218677

26  
h-index

197818

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled Model Simulations of the West African Monsoon System: Twentieth- and Twenty-First-Century Simulations. <i>Journal of Climate</i> , 2006, 19, 3681-3703.	3.2	269
2	Variability and Predictability of West African Droughts: A Review on the Role of Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2015, 28, 4034-4060.	3.2	148
3	Development and application of a mesoscale climate model for the tropics: Influence of sea surface temperature anomalies on the West African monsoon. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 2-1.	3.3	142
4	Mechanisms by Which Gulf of Guinea and Eastern North Atlantic Sea Surface Temperature Anomalies Can Influence African Rainfall. <i>Journal of Climate</i> , 2001, 14, 795-821.	3.2	129
5	Hydrodynamics of the Caribbean Low-Level Jet and Its Relationship to Precipitation. <i>Journal of Climate</i> , 2010, 23, 1477-1494.	3.2	128
6	Effects of Twenty-First-Century Climate Change on the Amazon Rain Forest. <i>Journal of Climate</i> , 2008, 21, 542-560.	3.2	115
7	Springtime Intensification of the Great Plains Low-Level Jet and Midwest Precipitation in GCM Simulations of the Twenty-First Century. <i>Journal of Climate</i> , 2008, 21, 6321-6340.	3.2	113
8	Mid-Twenty-First-Century Changes in Extreme Events over Northern and Tropical Africa. <i>Journal of Climate</i> , 2012, 25, 5748-5767.	3.2	108
9	Projected Changes in East African Rainy Seasons. <i>Journal of Climate</i> , 2013, 26, 5931-5948.	3.2	90
10	Projections of a Wetter Sahel in the Twenty-First Century from Global and Regional Models. <i>Journal of Climate</i> , 2013, 26, 4664-4687.	3.2	85
11	The WAMME regional model intercomparison study. <i>Climate Dynamics</i> , 2010, 35, 175-192.	3.8	84
12	Impact of climate change on mid-twenty-first century growing seasons in Africa. <i>Climate Dynamics</i> , 2012, 39, 2937-2955.	3.8	78
13	Detection and Analysis of an Amplified Warming of the Sahara Desert. <i>Journal of Climate</i> , 2015, 28, 6560-6580.	3.2	72
14	Connections between the summer east African and Indian rainfall regimes. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	70
15	The South Atlantic Subtropical High: Climatology and Interannual Variability. <i>Journal of Climate</i> , 2017, 30, 3279-3296.	3.2	70
16	How well are daily intense rainfall events captured by current climate models over Africa?. <i>Climate Dynamics</i> , 2014, 42, 2691-2711.	3.8	62
17	Identifying hot spots of security vulnerability associated with climate change in Africa. <i>Climatic Change</i> , 2014, 124, 717-731.	3.6	53
18	A mechanism for African monsoon breaks: Mediterranean cold air surges. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	52

#	ARTICLE	IF	CITATIONS
19	Relationship between Amazon and high Andes rainfall. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	49
20	The Congo Basin Walker circulation: dynamics and connections to precipitation. <i>Climate Dynamics</i> , 2016, 47, 697-717.	3.8	49
21	What Drives the Intensification of Mesoscale Convective Systems over the West African Sahel under Climate Change?. <i>Journal of Climate</i> , 2020, 33, 3151-3172.	3.2	42
22	Mesoscale convective systems and nocturnal rainfall over the West African Sahel: role of the Inter-tropical front. <i>Climate Dynamics</i> , 2018, 50, 587-614.	3.8	40
23	The relationship between African easterly waves and daily rainfall over West Africa: observations and regional climate simulations. <i>Climate Dynamics</i> , 2015, 44, 385-404.	3.8	36
24	Influence of the Amazon/Orinoco Plume on the summertime Atlantic climate. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
25	Projected changes in Malawi's growing season. <i>Climate Dynamics</i> , 2015, 45, 1673-1698.	3.8	31
26	Seasonality of the Observed Amplified Sahara Warming Trend and Implications for Sahel Rainfall. <i>Journal of Climate</i> , 2017, 30, 3073-3094.	3.2	28
27	Changes in intense rainfall events and dry periods across Africa in the twenty-first century. <i>Climate Dynamics</i> , 2019, 53, 2757-2777.	3.8	27
28	Understanding long-term (1982–2013) multi-decadal change in the equatorial and subtropical South Atlantic climate. <i>Climate Dynamics</i> , 2016, 46, 2087-2113.	3.8	26
29	Observed relationship between the Turkana low-level jet and boreal summer convection. <i>Climate Dynamics</i> , 2019, 53, 4037-4058.	3.8	26
30	Tropical Storm Development from African Easterly Waves in the Eastern Atlantic: A Comparison of Two Successive Waves Using a Regional Model as Part of NASA AMMA 2006. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 3313-3334.	1.7	24
31	Contemporary Climate Change of the African Monsoon Systems. <i>Current Climate Change Reports</i> , 2019, 5, 145-159.	8.6	23
32	The Diurnal Cycle of Warm Season Rainfall over West Africa. Part I: Observational Analysis. <i>Journal of Climate</i> , 2016, 29, 8423-8437.	3.2	22
33	Seasonal asymmetry of equatorial East African rainfall projections: understanding differences between the response of the long rains and the short rains to increased greenhouse gases. <i>Climate Dynamics</i> , 2020, 55, 1759-1777.	3.8	21
34	The Diurnal Cycle of Warm Season Rainfall over West Africa. Part II: Convection-Permitting Simulations. <i>Journal of Climate</i> , 2016, 29, 8439-8454.	3.2	20
35	Congo Basin drying associated with poleward shifts of the African thermal lows. <i>Climate Dynamics</i> , 2020, 54, 863-883.	3.8	20
36	Evaluation of Last Glacial Maximum sea surface temperature reconstructions through their influence on South American climate. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	16

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37	Impact of cold air surges on rainfall variability in the Sahel and wet African tropics: a multi-scale analysis. <i>Climate Dynamics</i> , 2014, 43, 1057-1081.	3.8	16
38	Decadal change of the south Atlantic ocean Angolaâ€“Benguela frontal zone since 1980. <i>Climate Dynamics</i> , 2018, 51, 3251-3273.	3.8	15
39	Understanding the summertime diurnal cycle of precipitation over sub-Saharan West Africa: regions with daytime rainfall peaks in the absence of significant topographic features. <i>Climate Dynamics</i> , 2019, 52, 2903-2922.	3.8	15
40	Influence of Indian Ocean SST regionality on the East African short rains. <i>Climate Dynamics</i> , 2020, 54, 4991-5011.	3.8	13
41	Role of the West African westerly jet in the seasonal and diurnal cycles of precipitation over West Africa. <i>Climate Dynamics</i> , 2020, 54, 843-861.	3.8	12
42	The role of mesoscale convective systems in the diurnal cycle of rainfall and its seasonality over sub-Saharan Northern Africa. <i>Climate Dynamics</i> , 2019, 52, 729-745.	3.8	10
43	Landâ€“atmosphereâ€“ocean interactions in the southeastern Atlantic: interannual variability. <i>Climate Dynamics</i> , 2019, 52, 539-561.	3.8	8
44	Interannual variability of East African rainfall: role of seasonal transitions of the low-level cross-equatorial flow. <i>Climate Dynamics</i> , 2020, 54, 4563-4587.	3.8	8
45	Greenhouse Gas Induced Changes in the Seasonal Cycle of the Amazon Basin in Coupled Climate-Vegetation Regional Model. <i>Climate</i> , 2016, 4, 3.	2.8	7
46	Multidecadal-scale adjustment of the ocean mixed layer heat budget in the tropics: examining ocean reanalyses. <i>Climate Dynamics</i> , 2018, 50, 1513-1532.	3.8	7
47	Greenhouse-gas induced warming amplification over the Arabian Peninsula with implications for Ethiopian rainfall. <i>Climate Dynamics</i> , 2021, 57, 3113-3133.	3.8	7
48	Hydrodynamics of regional and seasonal variations in Congo Basin precipitation. <i>Climate Dynamics</i> , 2022, 59, 1775-1797.	3.8	6
49	Distribution of extreme rainfall events and their environmental controls in the West African Sahel and Soudan. <i>Climate Dynamics</i> , 2022, 59, 997-1026.	3.8	6
50	Capturing the Atlantic cold tongue and coastal upwelling in an intermediate-level ocean model coupled to a regional climate model. <i>Climate Dynamics</i> , 2014, 42, 345-366.	3.8	5
51	Warm Season Response over North America to a Shutdown of the Atlantic Meridional Overturning Circulation and CO2 Increases. <i>Journal of Climate</i> , 2012, 25, 6701-6720.	3.2	4
52	Examining multidecadal trends in the surface heat balance over the tropical and subtropical oceans in atmospheric reanalyses. <i>International Journal of Climatology</i> , 2020, 40, 2253-2269.	3.5	4
53	Opposite spatial variability of climate changeâ€“induced surface temperature trends due to soil and atmospheric moisture in tropical/subtropical dry and wet land regions. <i>International Journal of Climatology</i> , 2020, 40, 5887-5905.	3.5	2