Michael A Taylor

List of Publications by Year
in descending order

37 papers	5,091 citations	331538 21 h-index	345118 36 g-index
37 all docs	37 docs citations	37 times ranked	6079 citing authors

#	Article	IF	Citations
1	Global observed changes in daily climate extremes of temperature and precipitation. Journal of Geophysical Research, 2006, 111, .	3.3	2,884
2	The human imperative of stabilizing global climate change at 1.5Â°C. Science, 2019, 365, .	6.0	498
3	Recent changes in climate extremes in the Caribbean region. Journal of Geophysical Research, 2002, 107, ACL 16-1-ACL 16-9.	3.3	230
4	Influence of the tropical Atlantic versus the tropical Pacific on Caribbean rainfall. Journal of Geophysical Research, 2002, 107, 10-1.	3.3	171
5	Future climate of the Caribbean from a regional climate model. International Journal of Climatology, 2011, 31, 1866-1878.	1.5	144
6	Changes in extreme temperature and precipitation in the Caribbean region, 1961â€“2010. International Journal of Climatology, 2014, 34, 2957-2971.	1.5	139
7	Investigating the link between early season Caribbean rainfall and the El NiÃ±o + 1 year. International Journal of Climatology, 2002, 22, 87-106.	1.5	135
8	Projected Changes in Temperature and Precipitation Over the United States, Central America, and the Caribbean in CMIP6 GCMs. Earth Systems and Environment, 2021, 5, 1-24.	3.0	125
9	Features of the Caribbean low level jet. International Journal of Climatology, 2007, 28, 119-128.	1.5	94
10	Future Caribbean Climates in a World of Rising Temperatures: The 1.5 vs 2.0 Dilemma. Journal of Climate, 2018, 31, 2907-2926.	1.2	70
11	The effect of concurrent sea-surface temperature anomalies in the tropical Pacific and Atlantic on Caribbean rainfall. International Journal of Climatology, 2004, 24, 1531-1541.	1.5	59
12	Why dry? Investigating the future evolution of the Caribbean Low Level Jet to explain projected Caribbean drying. International Journal of Climatology, 2013, 33, 784-792.	1.5	59
13	Longâ€term trends in precipitation and temperature across the Caribbean. International Journal of Climatology, 2016, 36, 3314-3333.	1.5	52
14	Tropical gradient influences on Caribbean rainfall. Journal of Geophysical Research, 2011, 116, .	3.3	51
15	Characterizing heat stress on livestock using the temperature humidity index (THI)â€”prospects for a warmer Caribbean. Regional Environmental Change, 2018, 18, 2329-2340.	1.4	46
16	Future climate of the Caribbean from a super-high-resolution atmospheric general circulation model. Theoretical and Applied Climatology, 2013, 113, 271-287.	1.3	45
17	Increasing the Accuracy and Automation of Fractional Vegetation Cover Estimation from Digital Photographs. Remote Sensing, 2016, 8, 474.	1.8	37
18	Assessing the effect of domain size over the Caribbean region using the PRECIS regional climate model. Climate Dynamics, 2015, 44, 1901-1918.	1.7	35

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19	The Precis Caribbean Story: Lessons and Legacies. Bulletin of the American Meteorological Society, 2013, 94, 1065-1073.	1.7	25
20	Dengue epidemics in the Caribbean-temperature indices to gauge the potential for onset of dengue. Mitigation and Adaptation Strategies for Global Change, 2008, 13, 341-357.	1.0	24
21	Caribbean climate change vulnerability: Lessons from an aggregate index approach. PLoS ONE, 2019, 14, e0219250.	1.1	23
22	Future Caribbean temperature and rainfall extremes from statistical downscaling. International Journal of Climatology, 2017, 37, 4828-4845.	1.5	22
23	Frequency analysis, infilling and trends for extreme precipitation for Jamaica (1895â€“2100). Journal of Hydrology: Regional Studies, 2015, 3, 424-443.	1.0	17
24	Evaluation of Sixteen Gridded Precipitation Datasets over the Caribbean Region Using Gauge Observations. Atmosphere, 2020, 11, 1334.	1.0	16
25	A macro-scale flood risk model for Jamaica with impact of climate variability. Natural Hazards, 2015, 78, 231-256.	1.6	15
26	Assessment of the potential implications of a 1.5ÂÂ°C versus higher global temperature rise for the Afobaka hydropower scheme in Suriname. Regional Environmental Change, 2018, 18, 2283-2295.	1.4	14
27	Statistical downscaling of North Atlantic tropical cyclone frequency and the amplified role of the Caribbean lowâ€level jet in a warmer climate. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3741-3758.	1.2	13
28	Estimating damages from climate-related natural disasters for the Caribbean at 1.5 Â°C and 2 Â°C global warming above preindustrial levels. Regional Environmental Change, 2018, 18, 2297-2312.	1.4	13
29	Generating Projections for the Caribbean at 1.5, 2.0 and 2.5 Â°C from a High-Resolution Ensemble. Atmosphere, 2021, 12, 328.	1.0	10
30	Rainfall-runoff simulations using the CARIWIG Simple Model for Advection of Storms and Hurricanes and HEC-HMS: Implications of Hurricane Ivan over the Jamaica Hope River watershed. Natural Hazards, 2016, 83, 1635.	1.6	8
31	Regional Climates. Bulletin of the American Meteorological Society, 2020, 101, S321-S420.	1.7	5
32	Characterizing Bushfire Occurrences over Jamaica Using the MODIS C6 Fire Archive 2001â€“2019. Atmosphere, 2021, 12, 390.	1.0	3
33	Regional Climates. Bulletin of the American Meteorological Society, 2021, 102, S357-S464.	1.7	3
34	An assessment of the impact of 1.5 versus 2 and 2.5Â°C global temperature increase on flooding in Jamaica: a case study from the Hope watershed. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210141.	1.6	2
35	Modelling Climate Change Impacts on Tropical Dry Forest Fauna. Sustainability, 2022, 14, 4760.	1.6	2
36	The Caribbean and 1.5 Â°C: Is SRM an Option?. Atmosphere, 2021, 12, 367.	1.0	1

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37	Evaluation of DSSATâ€MANIHOTâ€Cassava Model for potential irrigation benefits for cassava in Jamaica. Agronomy Journal, 0, , .	0.9	1