

# Mark G New

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

23,036  
citations

44042

48  
h-index

17580

121  
g-index

146  
all docs

146  
docs citations

146  
times ranked

24675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interrogating “effectiveness”™ in climate change adaptation: 11 guiding principles for adaptation research and practice. <i>Climate and Development</i> , 2022, 14, 650-664.	2.2	69
2	Evaluating the Effectiveness and Efficiency of Climate Information Communication in the African Agricultural Sector: A Systematic Analysis of Climate Services. <i>Agriculture (Switzerland)</i> , 2022, 12, 160.	1.4	4
3	Nature-based solutions in mountain catchments reduce impact of anthropogenic climate change on drought streamflow. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	20
4	The hydrological impacts of restoration: A modelling study of alien tree clearing in four mountain catchments in South Africa. <i>Journal of Hydrology</i> , 2022, 610, 127771.	2.3	7
5	A <sc>SOM</sc>-based analysis of the drivers of the 2015-2017 Western Cape drought in South Africa. <i>International Journal of Climatology</i> , 2021, 41, E1518.	1.5	11
6	Mapping invasive alien trees in water towers: A combined approach using satellite data fusion, drone technology and expert engagement. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 21, 100448.	0.8	16
7	Temperature and rainfall extremes change under current and future global warming levels across Indian climate zones. <i>Weather and Climate Extremes</i> , 2021, 31, 100291.	1.6	42
8	Collaboration Relations in Climate Information Production and Dissemination to Subsistence Farmers in Namibia. <i>Environmental Management</i> , 2021, 67, 133-145.	1.2	5
9	The role of farmers and organizational networks in climate information communication: the case of Ghana. <i>International Journal of Climate Change Strategies and Management</i> , 2021, 13, 19-34.	1.5	14
10	Benefits of water-related ecological infrastructure investments to support sustainable land-use: a review of evidence from critically water-stressed catchments in South Africa. <i>Royal Society Open Science</i> , 2021, 8, 201402.	1.1	12
11	A framework for complex climate change risk assessment. <i>One Earth</i> , 2021, 4, 489-501.	3.6	244
12	Transition from subsistence grazing to nature-based recreation: A nuanced view of land abandonment in a mountain social-ecological system, southwestern Cape, South Africa. <i>Land Use Policy</i> , 2021, 105, 105429.	2.5	5
13	Can Sentinel-2 be used to detect invasive alien trees and shrubs in Savanna and Grassland Biomes?. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100600.	0.8	3
14	Managing city-scale slow-onset disasters: Learning from Cape Town's 2015-2018 drought disaster planning. <i>International Journal of Disaster Risk Reduction</i> , 2021, 63, 102459.	1.8	12
15	The impact of roads on sub-Saharan African ecosystems: a systematic review. <i>Environmental Research Letters</i> , 2021, 16, 113001.	2.2	6
16	A systematic global stocktake of evidence on human adaptation to climate change. <i>Nature Climate Change</i> , 2021, 11, 989-1000.	8.1	206
17	Potential impacts of stratospheric aerosol injection on drought risk managements over major river basins in Africa. <i>Climatic Change</i> , 2021, 169, 1.	1.7	18
18	Understanding the current state of collaboration in the production and dissemination of adaptation knowledge in Namibia. <i>Environment, Development and Sustainability</i> , 2020, 22, 1017-1037.	2.7	3

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19	Climate change and COVID-19: reinforcing Indigenous food systems. <i>Lancet Planetary Health</i> , The, 2020, 4, e381-e382.	5.1	41
20	Preparing interdisciplinary leadership for a sustainable future. <i>Sustainability Science</i> , 2020, 15, 1723-1733.	2.5	18
21	Stratospheric Aerosol Geoengineering could lower future risk of "Day Zero" level droughts in Cape Town. <i>Environmental Research Letters</i> , 2020, 15, 124007.	2.2	8
22	Large-scale Transdisciplinary Collaboration for Adaptation Research: Challenges and Insights. <i>Global Challenges</i> , 2019, 3, 1700132.	1.8	55
23	Forging future organizational leaders for sustainability science. <i>Nature Sustainability</i> , 2019, 2, 647-649.	11.5	17
24	Vulnerability of crop yields to variations in growing season precipitation in Uganda. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	10
25	Impacts of 1.5 °C and 2 °C global warming on regional rainfall and temperature change across India. <i>Environmental Research Communications</i> , 2019, 1, 125002.	0.9	19
26	Competition for Land, Water and Energy (Nexus) in Food Production. , 2019, , 187-195.		2
27	The need for bottom-up assessments of climate risks and adaptation in climate-sensitive regions. <i>Nature Climate Change</i> , 2019, 9, 503-511.	8.1	130
28	Changing access to ice, land and water in Arctic communities. <i>Nature Climate Change</i> , 2019, 9, 335-339.	8.1	38
29	Southern African summer-rainfall variability, and its teleconnections, on interannual to interdecadal timescales in CMIP5 models. <i>Climate Dynamics</i> , 2019, 53, 3505-3527.	1.7	19
30	Assessing protected area effectiveness within the Caribbean under changing climate conditions: A case study of the small island, Trinidad. <i>Land Use Policy</i> , 2019, 81, 185-193.	2.5	6
31	Perceptions of ecosystem services provision performance in the face of climate change among communities in Bobirwa sub-district, Botswana. <i>International Journal of Climate Change Strategies and Management</i> , 2019, 11, 265-288.	1.5	7
32	Priority focus areas for a sub-national response to climate change and health: A South African provincial case study. <i>Environment International</i> , 2019, 122, 31-51.	4.8	22
33	MAKING CITIES WATER-WISE AND CLIMATE-RESILIENT " LESSONS AND EXPERIENCE FROM THE CAPE TOWN DROUGHT. <i>Landscape Architecture Frontiers</i> , 2019, 7, 94.	0.4	3
34	Spatial inequality in water access and water use in South Africa. <i>Water Policy</i> , 2018, 20, 37-52.	0.7	52
35	Anthropogenic influence on the drivers of the Western Cape drought 2015"2017. <i>Environmental Research Letters</i> , 2018, 13, 124010.	2.2	123
36	The Effect of Inter-Organisational Collaboration Networks on Climate Knowledge Flows and Communication to Pastoralists in Kenya. <i>Sustainability</i> , 2018, 10, 4180.	1.6	9

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37	Water for sustainable development in the Berg Water Management Area, South Africa. <i>South African Journal of Science</i> , 2018, 114, 10.	0.3	9
38	Comparing available rainfall gridded datasets for West Africa and the impact on rainfall-runoff modelling results, the case of Burkina-Faso. <i>Water S A</i> , 2018, 34, 529.	0.2	15
39	Temperature and precipitation extremes under current, 1.5°C and 2.0°C global warming above pre-industrial levels over Botswana, and implications for climate change vulnerability. <i>Environmental Research Letters</i> , 2018, 13, 065016.	2.2	52
40	Added value of a high-resolution regional climate model in simulation of intraseasonal variability of the South Asian summer monsoon. <i>International Journal of Climatology</i> , 2017, 37, 1100-1116.	1.5	10
41	Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 449-469.	1.3	28
42	Spatial variability in sustainable development trajectories in South Africa: provincial level safe and just operating spaces. <i>Sustainability Science</i> , 2017, 12, 829-848.	2.5	32
43	Climate change and loss, as if people mattered: values, places, and experiences. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e476.	3.6	124
44	Evaluation of the added value of a high-resolution regional climate model simulation of the South Asian summer monsoon climatology. <i>International Journal of Climatology</i> , 2017, 37, 3630-3643.	1.5	20
45	A reflection on collaborative adaptation research in Africa and Asia. <i>Regional Environmental Change</i> , 2017, 17, 1553-1561.	1.4	26
46	Contributions of decadal climate information in agriculture and food systems in east and southern Africa. <i>Climatic Change</i> , 2017, 143, 115-128.	1.7	9
47	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. <i>Earth Surface Dynamics</i> , 2016, 4, 47-70.	1.0	60
48	Interannual to interdecadal variability of winter and summer southern African rainfall, and their teleconnections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6215-6239.	1.2	54
49	Making SDGs Work for Climate Change Hotspots. <i>Environment</i> , 2016, 58, 24-33.	0.8	38
50	Anticipatory adaptation and the role of decadal climate information in rural African livelihood systems. <i>International Journal of Climate Change Strategies and Management</i> , 2016, 8, 236-252.	1.5	3
51	Climate complexity in the Central Andes: A study case on empirically-based local variations in the Dry Puna. <i>Journal of Arid Environments</i> , 2016, 128, 40-49.	1.2	18
52	Challenges in Quantifying Changes in the Global Water Cycle. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1097-1115.	1.7	212
53	What Drives Farmers to Make Top-Down or Bottom-Up Adaptation to Climate Change and Fluctuations? A Comparative Study on 3 Cases of Apple Farming in Japan and South Africa. <i>PLoS ONE</i> , 2015, 10, e0120563.	1.1	20
54	The impact of ENSO on Southern African rainfall in CMIP5 ocean atmosphere coupled climate models. <i>Climate Dynamics</i> , 2015, 45, 2425-2442.	1.7	73

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55	Sensitivity of systematic biases in South Asian summer monsoon simulations to regional climate model domain size and implications for downscaled regional process studies. <i>Climate Dynamics</i> , 2015, 45, 213-231.	1.7	14
56	The hydrological regime of a forested tropical Andean catchment. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5377-5397.	1.9	48
57	Observed and modelled trends in rainfall and temperature for South Africa: 1960–2010. <i>South African Journal of Science</i> , 2014, 110, 13.	0.3	134
58	Climate change impacts and adaptation in South Africa. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 605-620.	3.6	228
59	Tracking sustainable development with a national barometer for South Africa using a downscaled “safe and just space” framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4399-408.	3.3	109
60	Synchronous fire activity in the tropical high Andes: an indication of regional climate forcing. <i>Global Change Biology</i> , 2014, 20, 1929-1942.	4.2	37
61	Shifting dynamics of climate-functional groups in old-growth Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014, 7, 267-279.	1.0	18
62	Water Scarcity on a Blue Planet. , 2014, , 121-141.		0
63	21st Century Drought Scenarios for the UK. <i>Water Resources Management</i> , 2013, 27, 1039-1061.	1.9	34
64	Using Large Climate Ensembles to Plan for the Hydrological Impact of Climate Change in the Freshwater Environment. <i>Water Resources Management</i> , 2013, 27, 1063-1084.	1.9	26
65	Modelling individual and collective species responses to climate change within Small Island States. <i>Biological Conservation</i> , 2013, 167, 283-291.	1.9	10
66	Managing hydroclimatic risks in federal rivers: a diagnostic assessment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120415.	1.6	30
67	Does a rainfall-based drought index simulate hydrological droughts?. <i>International Journal of Climatology</i> , 2013, 34, n/a-n/a.	1.5	6
68	New views on “old”-carbon in the Amazon River: Insight from the source of organic carbon eroded from the Peruvian Andes. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1644-1659.	1.0	63
69	A review of observed and projected changes in climate for the islands in the Caribbean. <i>Atmosfera</i> , 2013, 26, 283-309.	0.3	91
70	Cloud frequency climatology at the Andes/Amazon transition: 2. Trends and variability. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
71	Spatial coherence of meteorological droughts in the UK since 1914. <i>Area</i> , 2012, 44, 400-410.	1.0	22
72	Cloud frequency climatology at the Andes/Amazon transition: 1. Seasonal and diurnal cycles. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15

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73	Water availability in +2°C and +4°C worlds. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 99-116.	1.6	85
74	Quantification of UV-B flux through time using UV-B-absorbing compounds contained in fossil Pinus sporopollenin. New Phytologist, 2011, 192, 553-560.	3.5	46
75	Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 6-19.	1.6	224
76	Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4-5.	1.6	19
77	The influence of interpolation and station network density on the distributions and trends of climate variables in gridded daily data. Climate Dynamics, 2010, 35, 841-858.	1.7	233
78	The UNDP Climate Change Country Profiles. Bulletin of the American Meteorological Society, 2010, 91, 157-166.	1.7	292
79	Diffuse radiation and cloud fraction relationships in two contrasting Amazonian rainforest sites. Agricultural and Forest Meteorology, 2010, 150, 361-368.	1.9	32
80	Local Effects of Global Changes in the Himalayas: Manang, Nepal. Mountain Research and Development, 2009, 29, 291.	0.4	5
81	Spatial variability in correlation decay distance and influence on angular distance weighting interpolation of daily precipitation over Europe. International Journal of Climatology, 2009, 29, 1872-1880.	1.5	62
82	Testing E-OBS European high-resolution gridded data set of daily precipitation and surface temperature. Journal of Geophysical Research, 2009, 114, .	3.3	258
83	Spatial patterns and recent trends in cloud fraction and cloud-related diffuse radiation in Amazonia. Journal of Geophysical Research, 2009, 114, .	3.3	24
84	From climate model ensembles to climate change impacts and adaptation: A case study of water resource management in the southwest of England. Water Resources Research, 2009, 45, .	1.7	104
85	Climate and Invasive Species: The Limits to Climate Information. , 2009, , 30-41.		1
86	Floristic and functional affiliations of woody plants with climate in western Amazonia. Journal of Biogeography, 2008, 35, 939-950.	1.4	22
87	Comparison of six methods for the interpolation of daily, European climate data. Journal of Geophysical Research, 2008, 113, .	3.3	286
88	A European daily high-resolution gridded data set of surface temperature and precipitation for 1950-2006. Journal of Geophysical Research, 2008, 113, .	3.3	1,889
89	Issues in the interpretation of climate model ensembles to inform decisions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 2163-2177.	1.6	150
90	Challenges in using probabilistic climate change information for impact assessments: an example from the water sector. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 2117-2131.	1.6	121

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91	Ensemble forecasting of species distributions. Trends in Ecology and Evolution, 2007, 22, 42-47.	4.2	2,517
92	Forecasting the Effects of Global Warming on Biodiversity. BioScience, 2007, 57, 227-236.	2.2	483
93	Testing the impact of climate variability on European plant diversity: 3200 to 12000 years of water-energy dynamics and its long-term influence on plant taxonomic richness. Ecology Letters, 2007, 10, 673-679.	3.0	43
94	Evidence of trends in daily climate extremes over southern and west Africa. Journal of Geophysical Research, 2006, 111, .	3.3	499
95	Global observed changes in daily climate extremes of temperature and precipitation. Journal of Geophysical Research, 2006, 111, .	3.3	2,884
96	Changes in daily temperature and precipitation extremes in central and south Asia. Journal of Geophysical Research, 2006, 111, .	3.3	374
97	Two Approaches to Quantifying Uncertainty in Global Temperature Changes. Journal of Climate, 2006, 19, 4785-4796.	1.2	63
98	Modelling climate change impacts on species' distributions at the European scale: implications for conservation policy. Environmental Science and Policy, 2006, 9, 116-128.	2.4	135
99	Arctic climate change with a 2 °C global warming: Timing, climate patterns and vegetation change. Climatic Change, 2006, 79, 213-241.	1.7	138
100	MM5 simulations of interannual change and the diurnal cycle of southern African regional climate. Theoretical and Applied Climatology, 2006, 86, 63-80.	1.3	49
101	Global warming and African climate change: a reassessment. , 2005, , 29-40.		35
102	Multi-agent modelling of climate outlooks and food security on a community garden scheme in Limpopo, South Africa. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2183-2194.	1.8	82
103	Tropical snowline changes at the last glacial maximum: A global assessment. Quaternary International, 2005, 138-139, 168-201.	0.7	95
104	Differentiating dilution and retention processes in mine effluent remediation within a natural wetland on the Zambian Copperbelt. Applied Geochemistry, 2005, 20, 1241-1257.	1.4	4
105	On the reconstruction of seasonal oceanic precipitation in the presatellite era. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	7
106	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis. Journal of Vegetation Science, 2004, 15, 635-646.	1.1	80
107	Groundwater pollution on the Zambian Copperbelt: deciphering the source and the risk. Science of the Total Environment, 2004, 327, 17-30.	3.9	60
108	Sediment chemistry: a history of mine contaminant remediation and an assessment of processes and pollution potential. Journal of Geochemical Exploration, 2004, 82, 35-57.	1.5	45

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109	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis. <i>Journal of Vegetation Science</i> , 2004, 15, 635.	1.1	6
110	The role of a dambo in the hydrology of a catchment and the river network downstream. <i>Hydrology and Earth System Sciences</i> , 2003, 7, 339-357.	1.9	43
111	A high-resolution data set of surface climate over global land areas. <i>Climate Research</i> , 2002, 21, 1-25.	0.4	1,946
112	A new world climatic mapping program to assist species selection. <i>Forest Ecology and Management</i> , 2002, 163, 111-117.	1.4	17
113	Climate data for political areas. <i>Area</i> , 2002, 34, 103-112.	1.0	129
114	Scaling Methods in Regional Integrated Assessments: From Points Upward and from Global Models Downwards. <i>Integrated Assessment: an International Journal</i> , 2002, 3, 167-187.	0.8	0
115	African climate change: 1900-2100. <i>Climate Research</i> , 2001, 17, 145-168.	0.4	979
116	Precipitation measurements and trends in the twentieth century. <i>International Journal of Climatology</i> , 2001, 21, 1889-1922.	1.5	456
117	Precipitation measurements and trends in the twentieth century. <i>International Journal of Climatology</i> , 2001, 21, 1889.	1.5	2
118	Representing uncertainty in climate change scenarios: a Monte-Carlo approach. <i>Integrated Assessment: an International Journal</i> , 2000, 1, 203-213.	0.8	143
119	Representing Twentieth-Century Space-Time Climate Variability. Part II: Development of 1901-96 Monthly Grids of Terrestrial Surface Climate. <i>Journal of Climate</i> , 2000, 13, 2217-2238.	1.2	1,808
120	Climate change scenarios for global impacts studies. <i>Global Environmental Change</i> , 1999, 9, S3-S19.	3.6	106
121	Surface air temperature and its changes over the past 150 years. <i>Reviews of Geophysics</i> , 1999, 37, 173-199.	9.0	1,244
122	Representing Twentieth-Century Space-Time Climate Variability. Part I: Development of a 1961-90 Mean Monthly Terrestrial Climatology. <i>Journal of Climate</i> , 1999, 12, 829-856.	1.2	1,573
123	Dependence of Large-Scale Precipitation Climatologies on Temporal and Spatial Sampling. <i>Journal of Climate</i> , 1997, 10, 1099-1113.	1.2	53