

Mark G New

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131 papers	18,406 citations	44 h-index	135 g-index
146 ext. papers	20,394 ext. citations	5.3 avg, IF	6.66 L-index

#	Paper	IF	Citations
131	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	3	1
130	Nature-based solutions in mountain catchments reduce impact of anthropogenic climate change on drought streamflow. <i>Communications Earth & Environment</i> , 2022 , 3,	6.1	1
129	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 , 127771	6	1
128	The impact of roads on sub-Saharan African ecosystems: a systematic review. <i>Environmental Research Letters</i> , 2021 , 16, 113001	6.2	1
127	A systematic global stocktake of evidence on human adaptation to climate change. <i>Nature Climate Change</i> , 2021 , 11, 989-1000	21.4	34
126	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	3.3	4
125	A framework for complex climate change risk assessment. <i>One Earth</i> , 2021 , 4, 489-501	8.1	52
124	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	5.6	2
123	A SOM-based analysis of the drivers of the 2015-2017 Western Cape drought in South Africa. <i>International Journal of Climatology</i> , 2021 , 41, E1518	3.5	4
122	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	2.8	7
121	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	6	14
120	Collaboration Relations in Climate Information Production and Dissemination to Subsistence Farmers in Namibia. <i>Environmental Management</i> , 2021 , 67, 133-145	3.1	4
119	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	3.9	1
118	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	2.8	0
117	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	4.5	3
116	Potential impacts of stratospheric aerosol injection on drought risk managements over major river basins in Africa. <i>Climatic Change</i> , 2021 , 169, 1	4.5	0
115	Preparing interdisciplinary leadership for a sustainable future. <i>Sustainability Science</i> , 2020 , 15, 1-11	6.4	9

114	Stratospheric Aerosol Geoengineering could lower future risk of Day Zero-level droughts in Cape Town. <i>Environmental Research Letters</i> , 2020 , 15, 124007	6.2	1
113	Climate change and COVID-19: reinforcing Indigenous food systems. <i>Lancet Planetary Health</i> , 2020 , 4, e381-e382	9.8	18
112	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	4.5	2
111	Competition for Land, Water and Energy (Nexus) in Food Production 2019 , 187-195		1
110	The need for bottom-up assessments of climate risks and adaptation in climate-sensitive regions. <i>Nature Climate Change</i> , 2019 , 9, 503-511	21.4	76
109	Changing access to ice, land and water in Arctic communities. <i>Nature Climate Change</i> , 2019 , 9, 335-339	21.4	21
108	Southern African summer-rainfall variability, and its teleconnections, on interannual to interdecadal timescales in CMIP5 models. <i>Climate Dynamics</i> , 2019 , 53, 3505-3527	4.2	6
107	Large-Scale Transdisciplinary Collaboration for Adaptation Research: Challenges and Insights. <i>Global Challenges</i> , 2019 , 3, 1700132	4.3	23
106	Vulnerability of crop yields to variations in growing season precipitation in Uganda. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	5
105	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	3.1	13
104	MAKING CITIES WATER-WISE AND CLIMATE-RESILIENT LESSONS AND EXPERIENCE FROM THE CAPE TOWN DROUGHT. <i>Landscape Architecture Frontiers</i> , 2019 , 7, 94	1.3	3
103	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	5.6	3
102	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	3.9	2
101	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	12.9	11
100	Spatial inequality in water access and water use in South Africa. <i>Water Policy</i> , 2018 , 20, 37-52	1.6	30
99	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	6.2	35
98	Anthropogenic influence on the drivers of the Western Cape drought 2015–2017. <i>Environmental Research Letters</i> , 2018 , 13, 124010	6.2	77
97	The Effect of Inter-Organisational Collaboration Networks on Climate Knowledge Flows and Communication to Pastoralists in Kenya. <i>Sustainability</i> , 2018 , 10, 4180	3.6	7

96	Water for sustainable development in the Berg Water Management Area, South Africa. <i>South African Journal of Science</i> , 2018 , 114,	1.3	8
95	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	1.3	13
94	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	3.5	9
93	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	3.7	21
92	Spatial variability in sustainable development trajectories in South Africa: provincial level safe and just operating spaces. <i>Sustainability Science</i> , 2017 , 12, 829-848	6.4	15
91	Climate change and loss, as if people mattered: values, places, and experiences. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017 , 8, e476	8.4	86
90	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	3.5	14
89	A reflection on collaborative adaptation research in Africa and Asia. <i>Regional Environmental Change</i> , 2017 , 17, 1553-1561	4.3	21
88	Contributions of decadal climate information in agriculture and food systems in east and southern Africa. <i>Climatic Change</i> , 2017 , 143, 115-128	4.5	7
87	Making SDGs Work for Climate Change Hotspots. <i>Environment</i> , 2016 , 58, 24-33	2.8	27
86	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	3.9	3
85	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	2.5	13
84	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. <i>Earth Surface Dynamics</i> , 2016 , 4, 47-70	3.8	38
83	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	4.4	34
82	The impact of ENSO on Southern African rainfall in CMIP5 ocean atmosphere coupled climate models. <i>Climate Dynamics</i> , 2015 , 45, 2425-2442	4.2	52
81	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	4.2	10
80	Challenges in Quantifying Changes in the Global Water Cycle. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1097-1115	6.1	168
79	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	3.7	15

78	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	11.5	79
77	Synchronous fire activity in the tropical high Andes: an indication of regional climate forcing. <i>Global Change Biology</i> , 2014 , 20, 1929-42	11.4	27
76	Shifting dynamics of climate-functional groups in old-growth Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014 , 7, 267-279	2.2	18
75	Water Scarcity on a Blue Planet 2014 , 121-141		
74	The hydrological regime of a forested tropical Andean catchment. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 5377-5397	5.5	34
73	Observed and modelled trends in rainfall and temperature for South Africa: 1960-2010. <i>South African Journal of Science</i> , 2014 , 110, 1-13	1.3	93
72	Climate change impacts and adaptation in South Africa. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014 , 5, 605-620	8.4	154
71	21st Century Drought Scenarios for the UK. <i>Water Resources Management</i> , 2013 , 27, 1039-1061	3.7	26
70	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	3.7	24
69	Modelling individual and collective species responses to climate change within Small Island States. <i>Biological Conservation</i> , 2013 , 167, 283-291	6.2	10
68	Managing hydroclimatic risks in federal rivers: a diagnostic assessment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120415	3	27
67	Does a rainfall-based drought index simulate hydrological droughts?. <i>International Journal of Climatology</i> , 2013 , 34, n/a-n/a	3.5	5
66	New views on BOLD 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	3.6	54
65	A review of observed and projected changes in climate for the islands in the Caribbean. <i>Atmosfera</i> , 2013 , 26, 283-309	2.5	77
64	Cloud frequency climatology at the Andes/Amazon transition: 2. Trends and variability. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
63	Spatial coherence of meteorological droughts in the UK since 1914. <i>Area</i> , 2012 , 44, 400-410	1.7	18
62	Cloud frequency climatology at the Andes/Amazon transition: 1. Seasonal and diurnal cycles. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
61	Correction for New et al. , Introduction. Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 1112-1112	3	2

60	Water availability in +2°C and +4°C worlds. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 99-116	3	72
59	Quantification of UV-B flux through time using UV-B-absorbing compounds contained in fossil <i>Pinus</i> sporopollenin. <i>New Phytologist</i> , 2011 , 192, 553-60	9.8	36
58	Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 6-19	3	181
57	Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 4-5	3	14
56	The UNDP Climate Change Country Profiles. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 157-166	6.1	218
55	Diffuse radiation and cloud fraction relationships in two contrasting Amazonian rainforest sites. <i>Agricultural and Forest Meteorology</i> , 2010 , 150, 361-368	5.8	28
54	The influence of interpolation and station network density on the distributions and trends of climate variables in gridded daily data. <i>Climate Dynamics</i> , 2010 , 35, 841-858	4.2	192
53	2010,		3
52	Local Effects of Global Changes in the Himalayas: Manang, Nepal. <i>Mountain Research and Development</i> , 2009 , 29, 291	1.4	1
51	Spatial variability in correlation decay distance and influence on angular-distance weighting interpolation of daily precipitation over Europe. <i>International Journal of Climatology</i> , 2009 , 29, 1872-1880	3.5	51
50	Testing E-OBS European high-resolution gridded data set of daily precipitation and surface temperature. <i>Journal of Geophysical Research</i> , 2009 , 114,		231
49	Spatial patterns and recent trends in cloud fraction and cloud-related diffuse radiation in Amazonia. <i>Journal of Geophysical Research</i> , 2009 , 114,		21
48	From climate model ensembles to climate change impacts and adaptation: A case study of water resource management in the southwest of England. <i>Water Resources Research</i> , 2009 , 45,	5.4	95
47	Floristic and functional affiliations of woody plants with climate in western Amazonia. <i>Journal of Biogeography</i> , 2008 , 35, 939-950	4.1	22
46	Comparison of six methods for the interpolation of daily, European climate data. <i>Journal of Geophysical Research</i> , 2008 , 113,		235
45	A European daily high-resolution gridded data set of surface temperature and precipitation for 1950-2006. <i>Journal of Geophysical Research</i> , 2008 , 113,		1620
44	Testing the impact of climate variability on European plant diversity: 320,000 years of water-energy dynamics and its long-term influence on plant taxonomic richness. <i>Ecology Letters</i> , 2007 , 10, 673-9	10	39
43	Issues in the interpretation of climate model ensembles to inform decisions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 2163-77	3	131

42	Challenges in using probabilistic climate change information for impact assessments: an example from the water sector. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 2117-31	3	103
41	Ensemble forecasting of species distributions. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 42-7	10.9	1883
40	Forecasting the Effects of Global Warming on Biodiversity. <i>BioScience</i> , 2007 , 57, 227-236	5.7	407
39	Evidence of trends in daily climate extremes over southern and west Africa. <i>Journal of Geophysical Research</i> , 2006 , 111,		423
38	Global observed changes in daily climate extremes of temperature and precipitation. <i>Journal of Geophysical Research</i> , 2006 , 111,		2250
37	Changes in daily temperature and precipitation extremes in central and south Asia. <i>Journal of Geophysical Research</i> , 2006 , 111,		320
36	Two Approaches to Quantifying Uncertainty in Global Temperature Changes. <i>Journal of Climate</i> , 2006 , 19, 4785-4796	4.4	57
35	Modelling climate change impacts on species distributions at the European scale: implications for conservation policy. <i>Environmental Science and Policy</i> , 2006 , 9, 116-128	6.2	117
34	Arctic climate change with a 2 °C global warming: Timing, climate patterns and vegetation change. <i>Climatic Change</i> , 2006 , 79, 213-241	4.5	125
33	MM5 simulations of interannual change and the diurnal cycle of southern African regional climate. <i>Theoretical and Applied Climatology</i> , 2006 , 86, 63-80	3	43
32	Tropical snowline changes at the last glacial maximum: A global assessment. <i>Quaternary International</i> , 2005 , 138-139, 168-201	2	82
31	Differentiating dilution and retention processes in mine effluent remediation within a natural wetland on the Zambian Copperbelt. <i>Applied Geochemistry</i> , 2005 , 20, 1241-1257	3.5	3
30	On the reconstruction of seasonal oceanic precipitation in the presatellite era. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a		7
29	Global warming and African climate change: a reassessment 2005 , 29-40		25
28	Multi-agent modelling of climate outlooks and food security on a community garden scheme in Limpopo, South Africa. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 2183-94	5.8	68
27	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis. <i>Journal of Vegetation Science</i> , 2004 , 15, 635-646	3.1	70
26	Groundwater pollution on the Zambian Copperbelt: deciphering the source and the risk. <i>Science of the Total Environment</i> , 2004 , 327, 17-30	10.2	48
25	Sediment chemistry: a history of mine contaminant remediation and an assessment of processes and pollution potential. <i>Journal of Geochemical Exploration</i> , 2004 , 82, 35-57	3.8	40

24	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis 2004 , 15, 635		6
23	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	5.5	37
22	Climate data for political areas. <i>Area</i> , 2002 , 34, 103-112	1.7	101
21	A high-resolution data set of surface climate over global land areas. <i>Climate Research</i> , 2002 , 21, 1-25	1.6	1693
20	A new world climatic mapping program to assist species selection. <i>Forest Ecology and Management</i> , 2002 , 163, 111-117	3.9	17
19	African climate change: 1900-2100. <i>Climate Research</i> , 2001 , 17, 145-168	1.6	827
18	Precipitation measurements and trends in the twentieth century. <i>International Journal of Climatology</i> , 2001 , 21, 1889-1922	3.5	379
17	Precipitation measurements and trends in the twentieth century 2001 , 21, 1889		2
16	Representing uncertainty in climate change scenarios: a Monte-Carlo approach. <i>Integrated Assessment: an International Journal</i> , 2000 , 1, 203-213		119
15	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	4.4	1619
14	Climate change scenarios for global impacts studies. <i>Global Environmental Change</i> , 1999 , 9, S3-S19	10.1	88
13	Surface air temperature and its changes over the past 150 years. <i>Reviews of Geophysics</i> , 1999 , 37, 173-199	3.1	1010
12	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	4.4	1421
11	Dependence of Large-Scale Precipitation Climatologies on Temporal and Spatial Sampling. <i>Journal of Climate</i> , 1997 , 10, 1099-1113	4.4	45
10	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity		6
9	The hydrological regime of a forested tropical Andean valley		1
8	Weather and Climate		3
7	The Global Adaptation Mapping Initiative (GAMI): Part 3 Coding protocol		5

6	The Global Adaptation Mapping Initiative (GAMI): Part 1 Introduction and overview of methods	5
5	Interrogating EffectivenessIn climate change adaptation: 11 guiding principles for adaptation research and practice. <i>Climate and Development</i> ,1-15	4-4 16
4	Regional climate downscaling34-85	13
3	Water for People: Climate Change and Water Availability86-127	5
2	Emerging Approaches to Climate Risk Management128-135	2
1	The Case Studies136-182	3