

# Declan Conway

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

12,028  
citations

44069

48  
h-index

30922

102  
g-index

115  
all docs

115  
docs citations

115  
times ranked

13443  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation to climate change in the developing world. <i>Progress in Development Studies</i> , 2003, 3, 179-195.	1.7	1,274
2	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230.		1,080
3	Vulnerability of national economies to the impacts of climate change on fisheries. <i>Fish and Fisheries</i> , 2009, 10, 173-196.	5.3	941
4	Statistical downscaling of general circulation model output: A comparison of methods. <i>Water Resources Research</i> , 1998, 34, 2995-3008.	4.2	668
5	Global crop yield response to extreme heat stress under multiple climate change futures. <i>Environmental Research Letters</i> , 2014, 9, 034011.	5.2	474
6	Adaptation to climate change in Africa: Challenges and opportunities identified from Ethiopia. <i>Global Environmental Change</i> , 2011, 21, 227-237.	7.8	462
7	The Climate and Hydrology of the Upper Blue Nile River. <i>Geographical Journal</i> , 2000, 166, 49-62.	3.1	374
8	Tracing the Waterâ€“Energyâ€“Food Nexus: Description, Theory and Practice. <i>Geography Compass</i> , 2015, 9, 445-460.	2.7	342
9	Greenhouse-gas emissions from energy use in the water sector. <i>Nature Climate Change</i> , 2011, 1, 210-219.	18.8	333
10	Climate and southern Africa's waterâ€“energyâ€“food nexus. <i>Nature Climate Change</i> , 2015, 5, 837-846.	18.8	328
11	From headwater tributaries to international river: Observing and adapting to climate variability and change in the Nile basin. <i>Global Environmental Change</i> , 2005, 15, 99-114.	7.8	234
12	The impact of land use change on soil water holding capacity and river flow modelling in the Nakambe River, Burkina-Faso. <i>Journal of Hydrology</i> , 2005, 300, 33-43.	5.4	225
13	African Climate Change: Taking the Shorter Route. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1355-1366.	3.3	205
14	A note on the temporal and spatial variability of rainfall in the drought-prone Amhara region of Ethiopia. <i>International Journal of Climatology</i> , 2007, 27, 1467-1477.	3.5	193
15	Regional disparities in the beneficial effects of rising CO2 concentrations on crop waterâ€“productivity. <i>Nature Climate Change</i> , 2016, 6, 786-790.	18.8	190
16	Characterizing halfâ€“Câ€“degree difference: a review of methods for identifying regional climate responses to global warming targets. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e457.	8.1	177
17	Fresh water goes global. <i>Science</i> , 2015, 349, 478-479.	12.6	175
18	Rainfall and Water Resources Variability in Sub-Saharan Africa during the Twentieth Century. <i>Journal of Hydrometeorology</i> , 2009, 10, 41-59.	1.9	167

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19	Recent fluctuations in precipitation and runoff over the Nile sub-basins and their impact on main Nile discharge. <i>Climatic Change</i> , 1993, 25, 127-151.	3.6	164
20	China's water-energy nexus: greenhouse-gas emissions from groundwater use for agriculture. <i>Environmental Research Letters</i> , 2012, 7, 014035.	5.2	152
21	Climate change, water availability and future cereal production in China. <i>Agriculture, Ecosystems and Environment</i> , 2010, 135, 58-69.	5.3	144
22	A water balance model of the Upper Blue Nile in Ethiopia. <i>Hydrological Sciences Journal</i> , 1997, 42, 265-286.	2.6	142
23	Construction of a 1961-1990 European climatology for climate change modelling and impact applications. <i>International Journal of Climatology</i> , 1995, 15, 1333-1363.	3.5	140
24	Over one century of rainfall and temperature observations in Addis Ababa, Ethiopia. <i>International Journal of Climatology</i> , 2004, 24, 77-91.	3.5	136
25	PRECIPITATION IN THE BRITISH ISLES: AN ANALYSIS OF AREA-AVERAGE DATA UPDATED TO 1995. <i>International Journal of Climatology</i> , 1997, 17, 427-438.	3.5	134
26	The need for bottom-up assessments of climate risks and adaptation in climate-sensitive regions. <i>Nature Climate Change</i> , 2019, 9, 503-511.	18.8	130
27	The Impacts of Climate Variability and Future Climate Change in the Nile Basin on Water Resources in Egypt. <i>International Journal of Water Resources Development</i> , 1996, 12, 277-296.	2.0	125
28	Precipitation and air flow indices over the British Isles. <i>Climate Research</i> , 1996, 7, 169-183.	1.1	117
29	Future cereal production in China: The interaction of climate change, water availability and socio-economic scenarios. <i>Global Environmental Change</i> , 2009, 19, 34-44.	7.8	116
30	Ecological citizenship and climate change: perceptions and practice. <i>Environmental Politics</i> , 2009, 18, 503-521.	5.4	107
31	Strategies for improving adaptation practice in developing countries. <i>Nature Climate Change</i> , 2014, 4, 339-342.	18.8	100
32	The use of weather types and air flow indices for GCM downscaling. <i>Journal of Hydrology</i> , 1998, 212-213, 348-361.	5.4	91
33	Regional climate model data used within the SWURVE project - 1: projected changes in seasonal patterns and estimation of PET. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 1069-1083.	4.9	88
34	Barriers and opportunities for robust decision making approaches to support climate change adaptation in the developing world. <i>Climate Risk Management</i> , 2016, 14, 1-10.	3.2	88
35	Climate change and the water-energy-food nexus: insights from policy and practice in Tanzania. <i>Climate Policy</i> , 2018, 18, 863-877.	5.1	86
36	Hydropower plans in eastern and southern Africa increase risk of concurrent climate-related electricity supply disruption. <i>Nature Energy</i> , 2017, 2, 946-953.	39.5	83

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37	Water Resource Planning Under Future Climate and Socioeconomic Uncertainty in the Cauvery River Basin in Karnataka, India. <i>Water Resources Research</i> , 2018, 54, 708-728.	4.2	83
38	A crop model cross calibration for use in regional climate impacts studies. <i>Ecological Modelling</i> , 2008, 213, 365-380.	2.5	82
39	Social vulnerability in three high-poverty climate change hot spots: What does the climate change literature tell us?. <i>Regional Environmental Change</i> , 2015, 15, 783-800.	2.9	81
40	Rainfall variability in East Africa: implications for natural resources management and livelihoods. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 49-54.	3.4	78
41	Limits to Resilience from Livelihood Diversification and Social Capital in Lake Socialâ€™Ecological Systems. <i>Annals of the American Association of Geographers</i> , 2013, 103, 906-924.	3.0	77
42	Adaptation to climate change in international river basins in Africa: a review / Adaptation au changement climatique dans les bassins fluviaux internationaux en Afrique: une revue. <i>Hydrological Sciences Journal</i> , 2009, 54, 805-828.	2.6	76
43	Transmission of climate risks across sectors and borders. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170301.	3.4	74
44	Potential impacts of climate change and climate variability on Chinaâ€™s rice yield and production. <i>Climate Research</i> , 2009, 40, 23-35.	1.1	63
45	Extreme Rainfall Events and Lake Level Changes in East Africa: Recent Events and Historical Precedents. <i>Advances in Global Change Research</i> , 2002, , 63-92.	1.6	59
46	Sunspots, El NiÃ±o, and the levels of Lake Victoria, East Africa. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	57
47	Remote forcing of East African rainfall and relationships with fluctuations in levels of Lake Victoria. <i>International Journal of Climatology</i> , 2003, 23, 67-89.	3.5	56
48	Dendrochronology in the dry tropics: the Ethiopian case. <i>Trees - Structure and Function</i> , 2011, 25, 345-354.	1.9	55
49	Prospects for downscaling seasonal precipitation variability using conditioned weather generator parameters. <i>Hydrological Processes</i> , 2002, 16, 1215-1234.	2.6	52
50	Evaluation of CERESâ€™Wheat simulation of Wheat Production in China. <i>Agronomy Journal</i> , 2008, 100, 1720-1728.	1.8	51
51	Untangling relative contributions of recent climate and CO <sub>2</sub> trends to national cereal production in China. <i>Environmental Research Letters</i> , 2012, 7, 044014.	5.2	49
52	Some aspects of climate variability in the north east Ethiopian highlands - Wollo and Tigray. <i>Sinet</i> , 2000, 23, 139.	0.3	48
53	Water balance of Lake Victoria: update to 2000 and climate change modelling to 2100 / Bilan hydrologique du Lac Victoria: mise Ã jour jusquâ€™en 2000 et modÃ©lisation des impacts du changement climatique jusquâ€™en 2100. <i>Hydrological Sciences Journal</i> , 2004, 49, .	2.6	47
54	Hydrological Response and Complex Impact Pathways of the 2015/2016 El NiÃ±o in Eastern and Southern Africa. <i>Earth's Future</i> , 2018, 6, 2-22.	6.3	46

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55	Subjective measures of climate resilience: What is the added value for policy and programming?. <i>Global Environmental Change</i> , 2017, 46, 17-22.	7.8	45
56	Adapting climate research for development in Africa. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 428-450.	8.1	44
57	Simulation of the impacts of climate change on groundwater resources in eastern England. <i>Geological Society Special Publication</i> , 2002, 193, 325-344.	1.3	40
58	Mobility endowment and entitlements mediate resilience in rural livelihood systems. <i>Global Environmental Change</i> , 2019, 54, 172-183.	7.8	40
59	GCM simulations of the Indian Ocean dipole influence on East African rainfall: Present and future. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	39
60	Air flow influences on local climate: observed and simulated mean relationships for the United Kingdom. <i>Climate Research</i> , 1999, 13, 173-191.	1.1	36
61	Assessment of institutional capacity to adapt to climate change in transboundary river basins. <i>Climatic Change</i> , 2013, 121, 755-770.	3.6	36
62	Business experience of floods and drought-related water and electricity supply disruption in three cities in sub-Saharan Africa during the 2015/2016 El Niño. <i>Global Sustainability</i> , 2018, 1, .	3.3	35
63	Building narratives to characterise uncertainty in regional climate change through expert elicitation. <i>Environmental Research Letters</i> , 2018, 13, 074005.	5.2	33
64	Assessing River Basin Development Given Water-Energy-Food-Environment Interdependencies. <i>Earth's Future</i> , 2020, 8, e2019EF001464.	6.3	30
65	Effects of climate variability and change on Chinese agriculture: a review. <i>Climate Research</i> , 2011, 50, 83-102.	1.1	30
66	Designing the next generation of climate adaptation research for development. <i>Regional Environmental Change</i> , 2018, 18, 297-304.	2.9	27
67	From advocacy to action: Projecting the health impacts of climate change. <i>PLoS Medicine</i> , 2018, 15, e1002624.	8.4	26
68	Rural livelihoods and climate variability in Ningxia, Northwest China. <i>Climatic Change</i> , 2013, 119, 891-904.	3.6	24
69	Co-benefits and trade-offs in the water-energy nexus of irrigation modernization in China. <i>Environmental Research Letters</i> , 2016, 11, 054007.	5.2	24
70	Climate variability affects water-energy-food infrastructure performance in East Africa. <i>One Earth</i> , 2021, 4, 397-410.	6.8	23
71	Lake Malawi's threshold behaviour: A stakeholder-informed model to simulate sensitivity to climate change. <i>Journal of Hydrology</i> , 2020, 584, 124671.	5.4	21
72	Future Nile river flows. <i>Nature Climate Change</i> , 2017, 7, 319-320.	18.8	20

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73	River flow modelling in two large river basins with non-stationary behaviour: the Paran and the Niger. <i>Hydrological Processes</i> , 2009, 23, 3186-3192.	2.6	19
74	Re-balancing climate services to inform climate-resilient planning – A conceptual framework and illustrations from sub-Saharan Africa. <i>Climate Risk Management</i> , 2020, 29, 100242.	3.2	19
75	Voices from the frontline: the role of community-generated information in delivering climate adaptation and development objectives at project level. <i>Climate and Development</i> , 2012, 4, 104-113.	3.9	18
76	Recent climate variability and future climate change scenarios for. <i>Progress in Physical Geography</i> , 1998, 22, 350-374.	3.2	17
77	Multi-scale analysis of the water-energy-food nexus in the Gulf region. <i>Environmental Research Letters</i> , 2020, 15, 094024.	5.2	17
78	Climatic Variability and Uruguay River Flows. <i>Water International</i> , 2000, 25, 446-456.	1.0	16
79	Water resources transfers through southern African food trade: water efficiency and climate signals. <i>Environmental Research Letters</i> , 2016, 11, 015005.	5.2	16
80	How do staff motivation and workplace environment affect capacity of governments to adapt to climate change in developing countries?. <i>Environmental Science and Policy</i> , 2018, 90, 46-53.	4.9	14
81	Invention and Diffusion of Water Supply and Water Efficiency Technologies: Insights from a Global Patent Dataset. <i>Water Economics and Policy</i> , 2015, 01, 1550010.	1.0	13
82	Going local: Evaluating and regionalizing a global hydrological model’s simulation of river flows in a medium-sized East African basin. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 349-364.	2.4	13
83	Evolution of national climate adaptation agendas in Malawi, Tanzania and Zambia: the role of national leadership and international donors. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	12
84	Sensitivity of projected climate impacts to climate model weighting: multi-sector analysis in eastern Africa. <i>Climatic Change</i> , 2021, 164, 1.	3.6	10
85	Financial Feasibility of Water Conservation in Agriculture. <i>Earth's Future</i> , 2021, 9, e2020EF001726.	6.3	10
86	What role for multi-stakeholder partnerships in adaptation to climate change? Experiences from private sector adaptation in Kenya. <i>Climate Risk Management</i> , 2021, 32, 100319.	3.2	10
87	Agricultural groundwater management strategies and seasonal climate forecasting: perceptions from Mogwadi (Dendron), Limpopo, South Africa. <i>Journal of Water and Climate Change</i> , 2019, 10, 142-157.	2.9	9
88	Water conservation can reduce future water-energy-food-environment trade-offs in a medium-sized African river basin. <i>Agricultural Water Management</i> , 2022, 266, 107548.	5.6	8
89	Climate change and International River Boundaries: fixed points in shifting sands. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 835-848.	8.1	6
90	PRECIPITATION IN THE BRITISH ISLES: AN ANALYSIS OF AREA-AVERAGE DATA UPDATED TO 1995. <i>International Journal of Climatology</i> , 1997, 17, 427-438.	3.5	6

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91	Resilience to climate shocks in the tropics. Environmental Research Letters, 2020, 15, 100203.	5.2	6
92	Stress-testing development pathways under a changing climate: water-energy-food security in the lake Malawi-Shire river system. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210134.	3.4	5
93	Evolving Discourses on Water Resource Management and Climate Change in the Equatorial Nile Basin. Journal of Environment and Development, 2017, 26, 186-213.	3.2	4
94	Private adaptation in semi-arid lands: a tailored approach to "leave no one behind". Global Sustainability, 2020, 3, .	3.3	4
95	Climate change projections for UK viticulture to 2040: a focus on improving suitability for Pinot Noir. Oeno One, 2022, 56, 69-87.	1.4	4
96	Cooperation and adaptation to climate change in transboundary river basins in Africa: Evidence from the Nile Basin. IOP Conference Series: Earth and Environmental Science, 2009, 6, 292005.	0.3	3
97	Identifying drivers of streamflow extremes in West Africa to inform a nonstationary prediction model. Weather and Climate Extremes, 2021, 33, 100346.	4.1	3
98	Climate Change and Natural Resource Management. , 2006, , 85-132.		3
99	Delivering the Sustainable Development Goals through development corridors in East Africa: A Q-Methodology approach to imagining development futures. Environmental Science and Policy, 2022, 129, 56-67.	4.9	3
100	The triple differential vulnerability of female entrepreneurs to climate risk in <scp>sub-Saharan</scp> Africa: Gendered barriers and enablers to private sector adaptation. Wiley Interdisciplinary Reviews: Climate Change, 2022, 13, .	8.1	3
101	Climate change scenarios for Great Britain and Europe. Studies in Environmental Science, 1995, 65, 397-400.	0.0	2
102	Applications of interannual-to-decadal climate prediction: An exploratory discussion on rainfall in the Sahel region of Africa. Climate Services, 2020, 18, 100170.	2.5	2
103	Evaluating the sensitivity of robust water resource interventions to climate change scenarios. Climate Risk Management, 2022, 37, 100442.	3.2	2
104	Title is missing!. Journal of Arid Environments, 1995, 29, 124-125.	2.4	1
105	Conversations About Climate Risk, Adaptation and Resilience in Africa. , 2021, , 147-162.		1
106	High Stakes Decisions Under Uncertainty: Dams, Development and Climate Change in the Rufiji River Basin. , 2021, , 93-113.		1
107	Holocene book reviews : The River Nile. Geology, hydrology and utilization. Holocene, 1995, 5, 255-255.	1.7	0
108	The Nile: Sharing A Scarce Resource An Historical and Technical Review of Water Management and of Economical and Legal Issues.. Global Environmental Change, 1995, 5, 162-163.	7.8	0

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109	Responding to Floods in the Nile basin: A Case Study of the 1997â€“1998 Floods in the Upper White Nile. , 0, , 181-189.		0
110	Hard choices and soft outcomes?. Nature Climate Change, 2015, 5, 105-106.	18.8	0
111	Key Issues and Progress in Understanding Climate Risk in Africa. , 2021, , 1-16.		0