

# Andrew G Turner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2702380/publications.pdf>

Version: 2024-02-01

108  
papers

5,248  
citations

100601

38  
h-index

107981

68  
g-index

147  
all docs

147  
docs citations

147  
times ranked

5660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Anthropogenic Aerosol and Greenhouse Gas Emissions on Northern Hemisphere Monsoon Precipitation: Mechanisms and Uncertainty. <i>Journal of Climate</i> , 2022, 35, 2305-2326.	1.2	18
2	Projected Changes in the East Asian Hydrological Cycle for Different Levels of Future Global Warming. <i>Atmosphere</i> , 2022, 13, 405.	1.0	3
3	Katabatic and convective processes drive two preferred peaks in the precipitation diurnal cycle over the Central Himalaya. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 1731-1751.	1.0	8
4	The structure of strong Indian monsoon low-pressure systems in subseasonal-to-seasonal prediction models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 2147-2166.	1.0	2
5	Characterising the interaction of tropical and extratropical air masses controlling East Asian summer monsoon progression using a novel frontal detection approach. <i>Weather and Climate Dynamics</i> , 2022, 3, 575-599.	1.2	4
6	Monsoons Climate Change Assessment. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1-E19.	1.7	133
7	Modes of coastal precipitation over southwest India and their relationship with intraseasonal variability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 181-201.	1.0	12
8	Forecast skill of the Indian monsoon and its onset in the ECMWF seasonal forecasting system 5 (SEAS5). <i>Climate Dynamics</i> , 2021, 56, 2941-2957.	1.7	17
9	Intraseasonal Soil Moisture-Atmosphere Feedbacks on the Tibetan Plateau Circulation. <i>Journal of Climate</i> , 2021, 34, 1789-1807.	1.2	11
10	How interactions between tropical depressions and western disturbances affect heavy precipitation in South Asia. <i>Monthly Weather Review</i> , 2021, , .	0.5	7
11	The four regional varieties of South Asian monsoon low-pressure systems and their modulation by tropical intraseasonal variability. <i>Weather</i> , 2021, 76, 194-200.	0.6	6
12	Temporal patterns in radar-observed convective cell development during the 2016 monsoon onset. <i>Weather</i> , 2021, 76, 180-184.	0.6	0
13	Comparison of the Prediction of Indian Monsoon Low Pressure Systems by Subseasonal-to-Seasonal Prediction Models. <i>Weather and Forecasting</i> , 2021, 36, 859-877.	0.5	4
14	Magnitude, Scale, and Dynamics of the 2020 Mei-yu Rains and Floods over China. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 2082-2096.	1.9	12
15	Skilful seasonal predictions of global monsoon summer precipitation with DePreSys3. <i>Environmental Research Letters</i> , 2021, 16, 104035.	2.2	6
16	2016 Monsoon Convection and Its Place in the Large-scale Circulation Using Doppler Radars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035496.	1.2	4
17	Evaluation of Asian summer precipitation in different configurations of a high-resolution general circulation model in a range of decision-relevant spatial scales. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 6381-6405.	1.9	5
18	A case study of land-atmosphere coupling during monsoon onset in northern India. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2891-2905.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Interaction of convective organization with monsoon precipitation, atmosphere, surface and sea: The 2016 INCOMPASS field campaign in India. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2828-2852.	1.0	35
20	Airmass analysis of the processes driving the progression of the Indian summer monsoon. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2949-2980.	1.0	16
21	How does El Niño-Southern Oscillation affect winter fog frequency over eastern China?. Climate Dynamics, 2020, 54, 1043-1056.	1.7	12
22	Performance of the NCMRWF convection-permitting model during contrasting monsoon phases of the 2016 INCOMPASS field campaign. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2928-2948.	1.0	6
23	The dynamic and thermodynamic structure of the monsoon over southern India: New observations from the INCOMPASS IOP. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2867-2890.	1.0	25
24	Vegetation forcing modulates global land monsoon and water resources in a CO2-enriched climate. Nature Communications, 2020, 11, 5184.	5.8	37
25	The impacts of climate change on the winter water cycle of the western Himalaya. Climate Dynamics, 2020, 55, 2287-2307.	1.7	11
26	Preface to the INCOMPASS Special Collection. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2826-2827.	1.0	0
27	Assessing the performance of cloud microphysical parameterization over the Indian region: Simulation of monsoon depressions and validation with INCOMPASS observations. Atmospheric Research, 2020, 239, 104925.	1.8	8
28	The Recent Decline and Recovery of Indian Summer Monsoon Rainfall: Relative Roles of External Forcing and Internal Variability. Journal of Climate, 2020, 33, 5035-5060.	1.2	65
29	A tale of two futures: contrasting scenarios of future precipitation for West Africa from an ensemble of regional climate models. Environmental Research Letters, 2020, 15, 064007.	2.2	44
30	Accelerated increases in global and Asian summer monsoon precipitation from future aerosol reductions. Atmospheric Chemistry and Physics, 2020, 20, 11955-11977.	1.9	52
31	Dominant patterns of interaction between the tropics and mid-latitudes in boreal summer: causal relationships and the role of timescales. Weather and Climate Dynamics, 2020, 1, 519-539.	1.2	21
32	Uncertainty in aerosol radiative forcing impacts the simulated global monsoon in the 20th century. Atmospheric Chemistry and Physics, 2020, 20, 14903-14915.	1.9	7
33	Effects of horizontal resolution and air-sea coupling on simulated moisture source for East Asian precipitation in MetUM GA6/GC2. Geoscientific Model Development, 2020, 13, 6011-6028.	1.3	5
34	Simulation of location-specific severe thunderstorm events using high resolution land data assimilation. Dynamics of Atmospheres and Oceans, 2019, 87, 101098.	0.7	10
35	Black carbon physical and optical properties across northern India during pre-monsoon and monsoon seasons. Atmospheric Chemistry and Physics, 2019, 19, 13079-13096.	1.9	15
36	The impact of air-sea coupling and ocean biases on the seasonal cycle of southern West African precipitation. Climate Dynamics, 2019, 53, 7027-7044.	1.7	4

#	ARTICLE	IF	CITATIONS
37	Falling Trend of Western Disturbances in Future Climate Simulations. <i>Journal of Climate</i> , 2019, 32, 5037-5051.	1.2	31
38	Vertical and horizontal distribution of submicron aerosol chemical composition and physical characteristics across northern India during pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5615-5634.	1.9	41
39	The Role of the Subtropical Jet in Deficient Winter Precipitation Across the Mid-Holocene Indus Basin. <i>Geophysical Research Letters</i> , 2019, 46, 5452-5459.	1.5	2
40	Moisture Sources for East Asian Precipitation: Mean Seasonal Cycle and Interannual Variability. <i>Journal of Hydrometeorology</i> , 2019, 20, 657-672.	0.7	35
41	Representation of Western Disturbances in CMIP5 Models. <i>Journal of Climate</i> , 2019, 32, 1997-2011.	1.2	20
42	A Nonstationary ENSO-NAO Relationship Due to AMO Modulation. <i>Journal of Climate</i> , 2019, 32, 33-43.	1.2	51
43	Climatology of Tibetan Plateau Vortices in Reanalysis Data and a High-Resolution Global Climate Model. <i>Journal of Climate</i> , 2019, 32, 1933-1950.	1.2	48
44	A Mechanism for the Recently Increased Interdecadal Variability of the Silk Road Pattern. <i>Journal of Climate</i> , 2019, 32, 717-736.	1.2	31
45	Indian summer monsoon onset forecast skill in the UK Met Office initialized coupled seasonal forecasting system (GloSea5-GC2). <i>Climate Dynamics</i> , 2019, 52, 6599-6617.	1.7	24
46	Impact of ENSO longitudinal position on teleconnections to the NAO. <i>Climate Dynamics</i> , 2019, 52, 257-274.	1.7	65
47	Projected Changes in the Asian-Australian Monsoon Region in 1.5°C and 2.0°C Global Warming Scenarios. <i>Earth's Future</i> , 2018, 6, 339-358.	2.4	65
48	Modelling the moistening of the free troposphere during the northwestward progression of Indian monsoon onset. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 1152-1168.	1.0	12
49	Vertical Structure and Radiative Forcing of Monsoon Clouds Over Kanpur During the 2016 INCOMPASS Field Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2152-2174.	1.2	11
50	Extreme Daily Rainfall in Pakistan and North India: Scale Interactions, Mechanisms, and Precursors. <i>Monthly Weather Review</i> , 2018, 146, 1005-1022.	0.5	46
51	The contributions of local and remote atmospheric moisture fluxes to East Asian precipitation and its variability. <i>Climate Dynamics</i> , 2018, 51, 4139-4156.	1.7	45
52	Maritime Continent seasonal climate biases in AMIP experiments of the CMIP5 multimodel ensemble. <i>Climate Dynamics</i> , 2018, 50, 777-800.	1.7	19
53	A comprehensive analysis of coherent rainfall patterns in China and potential drivers. Part I: Interannual variability. <i>Climate Dynamics</i> , 2018, 50, 4405-4424.	1.7	25
54	A comprehensive analysis of coherent rainfall patterns in China and potential drivers. Part II: intraseasonal variability. <i>Climate Dynamics</i> , 2018, 51, 17-33.	1.7	14

#	ARTICLE	IF	CITATIONS
55	The evolution, seasonality and impacts of western disturbances. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 278-290.	1.0	115
56	The role of potential vorticity anomalies in the Somali Jet on Indian Summer Monsoon Intraseasonal Variability. Climate Dynamics, 2018, 50, 4149-4169.	1.7	3
57	The Impact of Indian Ocean Mean-State Biases in Climate Models on the Representation of the East African Short Rains. Journal of Climate, 2018, 31, 6611-6631.	1.2	33
58	Different Asian Monsoon Rainfall Responses to Idealized Orography Sensitivity Experiments in the HadGEM3-GA6 and FGOALS-FAMIL Global Climate Models. Advances in Atmospheric Sciences, 2018, 35, 1049-1062.	1.9	2
59	Comparison of a Manual and an Automated Tracking Method for Tibetan Plateau Vortices. Advances in Atmospheric Sciences, 2018, 35, 965-980.	1.9	19
60	Subtropical Westerly Jet Influence on Occurrence of Western Disturbances and Tibetan Plateau Vortices. Geophysical Research Letters, 2018, 45, 8629-8636.	1.5	43
61	Interannual rainfall variability over China in the MetUM GA6 and GC2 configurations. Geoscientific Model Development, 2018, 11, 1823-1847.	1.3	5
62	Intraseasonal summer rainfall variability over China in the MetUM GA6 and GC2 configurations. Geoscientific Model Development, 2018, 11, 3215-3233.	1.3	1
63	Contribution of Tropical Cyclones to Atmospheric Moisture Transport and Rainfall over East Asia. Journal of Climate, 2017, 30, 3853-3865.	1.2	37
64	Modelling Monsoons. World Scientific Series on Asia-Pacific Weather and Climate, 2017, , 79-101.	0.2	17
65	The effect of horizontal resolution on Indian monsoon depressions in the Met Office NWP model. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1756-1771.	1.0	24
66	The Effect of Soil Moisture Perturbations on Indian Monsoon Depressions in a Numerical Weather Prediction Model. Journal of Climate, 2017, 30, 8811-8823.	1.2	17
67	The 2015 Indian summer monsoon onset “phenomena, forecasting and research flight planning. Weather, 2017, 72, 168-175.	0.6	3
68	An assessment of Indian monsoon seasonal forecasts and mechanisms underlying monsoon interannual variability in the Met Office GloSea5-GC2 system. Climate Dynamics, 2017, 48, 1447-1465.	1.7	37
69	Boreal summer sub-seasonal variability of the South Asian monsoon in the Met Office GloSea5 initialized coupled model. Climate Dynamics, 2017, 49, 2035-2059.	1.7	9
70	Interdecadal Variability of the Asian Summer Monsoons. World Scientific Series on Asia-Pacific Weather and Climate, 2017, , 289-301.	0.2	1
71	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. Geoscientific Model Development, 2016, 9, 3589-3604.	1.3	93
72	On the Structure and Dynamics of Indian Monsoon Depressions. Monthly Weather Review, 2016, 144, 3391-3416.	0.5	89

#	ARTICLE	IF	CITATIONS
73	The interaction of moist convection and mid-level dry air in the advance of the onset of the Indian monsoon. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2256-2272.	1.0	57
74	The spatiotemporal structure of precipitation in Indian monsoon depressions. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 3195-3210.	1.0	46
75	Local and Remote Impacts of Aerosol Species on Indian Summer Monsoon Rainfall in a GCM. Journal of Climate, 2016, 29, 6937-6955.	1.2	52
76	A New Understanding of El Niño's Impact over East Asia: Dominance of the ENSO Combination Mode. Journal of Climate, 2016, 29, 4347-4359.	1.2	67
77	The resolution sensitivity of the South Asian monsoon and Indo-Pacific in a global 0.35° AGCM. Climate Dynamics, 2016, 46, 807-831.	1.7	68
78	The effect of increased convective entrainment on Asian monsoon biases in the MetUM general circulation model. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 311-326.	1.0	56
79	Impact of different El Niño types on the El Niño/IOD relationship. Geophysical Research Letters, 2015, 42, 8570-8576.	1.5	110
80	The Annual-Cycle Modulation of Meridional Asymmetry in ENSO's Atmospheric Response and Its Dependence on ENSO Zonal Structure. Journal of Climate, 2015, 28, 5795-5812.	1.2	44
81	Impacts of 20th century aerosol emissions on the South Asian monsoon in the CMIP5 models. Atmospheric Chemistry and Physics, 2015, 15, 6367-6378.	1.9	67
82	The impact of monsoon intraseasonal variability on renewable power generation in India. Environmental Research Letters, 2015, 10, 064002.	2.2	26
83	Seasonal intercomparison of observational rainfall datasets over India during the southwest monsoon season. International Journal of Climatology, 2015, 35, 2326-2338.	1.5	94
84	Increasing autumn drought over southern China associated with ENSO regime shift. Geophysical Research Letters, 2014, 41, 4020-4026.	1.5	164
85	The Asian summer monsoon: an intercomparison of CMIP5 vs. CMIP3 simulations of the late 20th century. Climate Dynamics, 2013, 41, 2711-2744.	1.7	657
86	The use of the land-sea warming contrast under climate change to improve impact metrics. Climatic Change, 2013, 117, 951-960.	1.7	19
87	Will the South Asian monsoon overturning circulation stabilize any further?. Climate Dynamics, 2013, 40, 187-211.	1.7	144
88	The role of northern Arabian Sea surface temperature biases in CMIP5 model simulations and future projections of Indian summer monsoon rainfall. Climate Dynamics, 2013, 41, 155-172.	1.7	110
89	Systematic winter sea-surface temperature biases in the northern Arabian Sea in HiGEM and the CMIP3 models. Environmental Research Letters, 2013, 8, 014028.	2.2	32
90	Observational challenges in evaluating climate models. Nature Climate Change, 2013, 3, 940-941.	8.1	52

#	ARTICLE	IF	CITATIONS
91	The effect of regional changes in anthropogenic aerosols on rainfall of the East Asian Summer Monsoon. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1521-1534.	1.9	92
92	Isomap nonlinear dimensionality reduction and bimodality of Asian monsoon convection. <i>Geophysical Research Letters</i> , 2013, 40, 1653-1658.	1.5	20
93	20th century intraseasonal Asian monsoon dynamics viewed from Isomap. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 725-741.	0.6	13
94	The effect of Arabian Sea optical properties on SST biases and the South Asian summer monsoon in a coupled GCM. <i>Climate Dynamics</i> , 2012, 39, 811-826.	1.7	25
95	Climate change and the South Asian summer monsoon. <i>Nature Climate Change</i> , 2012, 2, 587-595.	8.1	800
96	Dependence of Indian monsoon rainfall on moisture fluxes across the Arabian Sea and the impact of coupled model sea surface temperature biases. <i>Climate Dynamics</i> , 2012, 38, 2167-2190.	1.7	120
97	Using idealized snow forcing to test teleconnections with the Indian summer monsoon in the Hadley Centre GCM. <i>Climate Dynamics</i> , 2011, 36, 1717-1735.	1.7	54
98	MODELLING MONSOONS: UNDERSTANDING AND PREDICTING CURRENT AND FUTURE BEHAVIOUR. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2011, , 421-454.	0.2	14
99	A Regime View of the North Atlantic Oscillation and Its Response to Anthropogenic Forcing. <i>Journal of Climate</i> , 2010, 23, 1291-1307.	1.2	110
100	Is there regime behavior in monsoon convection in the late 20th century?. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	27
101	Uncertainties in future projections of extreme precipitation in the Indian monsoon region. <i>Atmospheric Science Letters</i> , 2009, 10, 152-158.	0.8	66
102	Subseasonal extremes of precipitation and activeâ€break cycles of the Indian summer monsoon in a climateâ€change scenario. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 549-567.	1.0	43
103	Preferred structures in largeâ€scale circulation and the effect of doubling greenhouse gas concentration in HadCM3. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 469-480.	1.0	8
104	The effect of doubled CO <sub>2</sub> and model basic state biases on the monsoonâ€ENSO system. I: Mean response and interannual variability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007, 133, 1143-1157.	1.0	68
105	The effect of doubled CO <sub>2</sub> and model basic state biases on the monsoonâ€ENSO system. II: Changing ENSO regimes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007, 133, 1159-1173.	1.0	8
106	The role of the basic state in the ENSOâ€monsoon relationship and implications for predictability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2005, 131, 781-804.	1.0	113
107	The role of midâ€tropospheric moistening and land surface wetting in the progression of the 2016 Indian monsoon. <i>Quarterly Journal of the Royal Meteorological Society</i> , 0, , .	1.0	2
108	Vertical and horizontal distribution of sub-micron aerosol chemical composition and physical characteristics across Northern India, during the pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics Discussions</i> , 0, , 1-31.	1.0	0