

Robert Dunn

List of Publications by Year in descending order

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55
papers

5,234
citations

109137

35
h-index

189595

50
g-index

77
all docs

77
docs citations

77
times ranked

6221
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated analyses of temperature and precipitation extreme indices since the beginning of the twentieth century: The HadEX2 dataset. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2098-2118.	1.2	1,029
2	The relation between accretion rate and jet power in X-ray luminous elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 21-30.	1.6	442
3	Ubiquitous equatorial accretion disc winds in black hole soft states. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 422, L11-L15.	1.2	323
4	An Updated Assessment of Near-Surface Temperature Change From 1850: The HadCRUT5 Data Set. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032361.	1.2	299
5	A global spectral study of black hole X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 61-82.	1.6	235
6	Investigating AGN heating in a sample of nearby clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 959-971.	1.6	213
7	Development of an Updated Global Land In Situ-Based Data Set of Temperature and Precipitation Extremes: HadEX3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032263.	1.2	182
8	Radio bubbles in clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 1343-1353.	1.6	158
9	State of the Climate in 2015. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, S1-S275.	1.7	142
10	State of the Climate in 2013. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, S1-S279.	1.7	138
11	State of the Climate in 2012. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, S1-S258.	1.7	129
12	HadISDH land surface multi-variable humidity and temperature record for climate monitoring. <i>Climate of the Past</i> , 2014, 10, 1983-2006.	1.3	113
13	Particle energies and filling fractions of radio bubbles in cluster cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 862-873.	1.6	103
14	On viscosity, conduction and sound waves in the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 891-896.	1.6	100
15	HadISD: a quality-controlled global synoptic report database for selected variables at long-term stations from 1973-2011. <i>Climate of the Past</i> , 2012, 8, 1649-1679.	1.3	98
16	Investigating heating and cooling in the BCS and B55 cluster samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 757-768.	1.6	80
17	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2689-2702.	1.7	80
18	Non-thermal X-rays, a high-abundance ridge and fossil bubbles in the core of the Perseus cluster of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 133-140.	1.6	79

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19	Expanding HadISD: quality-controlled, sub-daily station data from 1931. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 473-491.	0.6	78
20	Reassessing changes in diurnal temperature range: Intercomparison and evaluation of existing global data set estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5138-5158.	1.2	75
21	On the use of indices to study extreme precipitation on sub-daily and daily timescales. <i>Environmental Research Letters</i> , 2019, 14, 125008.	2.2	73
22	GSDR: A Global Sub-Daily Rainfall Dataset. <i>Journal of Climate</i> , 2019, 32, 4715-4729.	1.2	73
23	Inclination and relativistic effects in the outburst evolution of black hole transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1330-1337.	1.6	67
24	Analysis of heat stress in UK dairy cattle and impact on milk yields. <i>Environmental Research Letters</i> , 2014, 9, 064006.	2.2	65
25	The INTENSE project: using observations and models to understand the past, present and future of sub-daily rainfall extremes. <i>Advances in Science and Research</i> , 0, 15, 117-126.	1.0	59
26	Precession of the super-massive black hole in NGC 1275 (3C 84)? <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 758-766.	1.6	57
27	Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20190542.	1.6	56
28	Extreme active galactic nucleus feedback and cool-core destruction in the X-ray luminous galaxy cluster MACSJ1931.8 ^h 2634. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1641-1658.	1.6	53
29	On the variation of black hole accretion disc radii as a function of state and accretion rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 1415-1440.	1.6	52
30	A global study of the behaviour of black hole X-ray binary discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 337-348.	1.6	48
31	The radio properties of a complete, X-ray selected sample of nearby, massive elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	46
32	Studying the X-ray hysteresis in GX 339 ^h 4: the disc and iron line over one decade. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 545-563.	1.6	42
33	Pairwise homogeneity assessment of HadISD. <i>Climate of the Past</i> , 2014, 10, 1501-1522.	1.3	42
34	Evidence for a compact jet dominating the broad-band spectrum of the black hole accretor XTE J1550-564. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	41
35	HadISDH: an updateable land surface specific humidity product for climate monitoring. <i>Climate of the Past</i> , 2013, 9, 657-677.	1.3	41
36	Investigating uncertainties in global gridded datasets of climate extremes. <i>Climate of the Past</i> , 2014, 10, 2171-2199.	1.3	35

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37	Observations for Reanalyses. Bulletin of the American Meteorological Society, 2018, 99, 1851-1866.	1.7	35
38	Active galactic nuclei-induced cavities in NGC 1399 and NGC 4649. Monthly Notices of the Royal Astronomical Society, 0, 383, 923-930.	1.6	34
39	Using radio bubbles to constrain the matter content of AGN jets. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1741-1748.	1.6	33
40	Comparison of land surface humidity between observations and CMIP5 models. Earth System Dynamics, 2017, 8, 719-747.	2.7	33
41	Tempo-spatial characteristics of sub-daily temperature trends in mainland China. Climate Dynamics, 2016, 46, 2737-2748.	1.7	22
42	A tool to separate optical/infrared disc and jet emission in X-ray transient outbursts: the colour-magnitude diagrams of XTE J1550-564. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2311-2317.	1.6	21
43	Evolution and Accuracy of Surface Humidity Reports*. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2025-2043.	0.5	17
44	Changes in statistical distributions of sub-daily surface temperatures and wind speed. Earth System Dynamics, 2019, 10, 765-788.	2.7	17
45	Development of the HadISDH.marine humidity climate monitoring dataset. Earth System Science Data, 2020, 12, 2853-2880.	3.7	15
46	Progress towards a holistic land and marine surface meteorological database and a call for additional contributions. Geoscience Data Journal, 2021, 8, 103-120.	1.8	12
47	Reduction in reversal of global stilling arising from correction to encoding of calm periods [*] . Environmental Research Communications, 2022, 4, 061003.	0.9	10
48	Global and regional climate in 2016. Weather, 2017, 72, 219-225.	0.6	9
49	Stewardship Maturity Assessment Tools for Modernization of Climate Data Management. Data Science Journal, 2021, 20, .	0.6	6
50	On the effect of reference periods on trends in percentile-based extreme temperature indices. Environmental Research Letters, 2022, 17, 034026.	2.2	5
51	Global and regional climate in 2018. Weather, 2019, 74, 332-340.	0.6	3
52	Global and regional climate in 2017. Weather, 2018, 73, 382-390.	0.6	1
53	Isolating the jet in broadband spectra of XBs. Proceedings of the International Astronomical Union, 2010, 6, 317-318.	0.0	0
54	Global and regional climate in 2020. Weather, 2021, 76, 360-369.	0.6	0

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55	Investigating Heating and Cooling within a Sample of Distant Clusters. Globular Clusters - Guides To Galaxies, 2007, , 45-47.	0.1	0