

Anthony C Davison

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.

83
papers

7,085
citations

29
h-index

84
g-index

88
ext. papers

8,260
ext. citations

3
avg, IF

6.2
L-index

#	Paper	IF	Citations
83	Parameter estimation for discretely observed linear birth-and-death processes. <i>Biometrics</i> , 2021 , 77, 186-196	1.8	2
82	Trends in the Extremes of Environments Associated with Severe U.S. Thunderstorms. <i>Journal of Climate</i> , 2021 , 34, 1259-1272	4.4	7
81	Sub-asymptotic motivation for new conditional multivariate extreme models. <i>Stat</i> , 2021 , 10, e401	0.7	1
80	Human mortality at extreme age. <i>Royal Society Open Science</i> , 2021 , 8, 202097	3.3	0
79	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma. <i>PLoS Computational Biology</i> , 2020 , 16, e1007882	5	8
78	An unethical optimization principle. <i>Royal Society Open Science</i> , 2020 , 7, 200462	3.3	1
77	The challenges of impact evaluation: Attempting to measure the effectiveness of community-based disaster risk management. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 49, 101732	4.5	10
76	A Global-Local Approach for Detecting Hotspots in Multiple-Response Regression.. <i>Annals of Applied Statistics</i> , 2020 , 14, 905-928	2.1	4
75	Automatic module selection from several microarray gene expression studies. <i>Biostatistics</i> , 2018 , 19, 153-168	3.7	1
74	Optimal regionalization of extreme value distributions for flood estimation. <i>Journal of Hydrology</i> , 2018 , 556, 182-193	6	13
73	High-dimensional peaks-over-threshold inference. <i>Biometrika</i> , 2018 , 105, 575-592	2	27
72	Dependence properties of spatial rainfall extremes and areal reduction factors. <i>Journal of Hydrology</i> , 2018 , 565, 711-719	6	14
71	“The life of man, solitary, poore, nasty, brutish, and short” Discussion of the paper by Rootzē and Zholud. <i>Extremes</i> , 2018 , 21, 365-372	0.7	3
70	Modelling across extremal dependence classes. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2017 , 79, 149-175	3.9	28
69	Efficient inference for genetic association studies with multiple outcomes. <i>Biostatistics</i> , 2017 , 18, 618-636	7	15
68	Likelihood estimators for multivariate extremes. <i>Extremes</i> , 2016 , 19, 79-103	0.7	35
67	Bayesian inference for the Brown-Besnick process, with an application to extreme low temperatures. <i>Annals of Applied Statistics</i> , 2016 , 10,	2.1	40

66	Bayesian uncertainty management in temporal dependence of extremes. <i>Extremes</i> , 2016 , 19, 491-515	0.7	6
65	Likelihood Estimation for the INAR(ρ) Model by Saddlepoint Approximation. <i>Journal of the American Statistical Association</i> , 2015 , 110, 1229-1238	2.8	25
64	Extremes on river networks. <i>Annals of Applied Statistics</i> , 2015 , 9,	2.1	58
63	A simple model-based approach to variable selection in classification and clustering. <i>Canadian Journal of Statistics</i> , 2015 , 43, 157-175	0.4	3
62	Meta-analysis of incomplete microarray studies. <i>Biostatistics</i> , 2015 , 16, 686-700	3.7	1
61	Space-time modelling of extreme events. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2014 , 76, 439-461	3.9	111
60	Measuring the relative effect of factors affecting species distribution model predictions. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 947-955	7.7	65
59	Spectral Density Ratio Models for Multivariate Extremes. <i>Journal of the American Statistical Association</i> , 2014 , 109, 764-776	2.8	27
58	Accurate Directional Inference for Vector Parameters in Linear Exponential Families. <i>Journal of the American Statistical Association</i> , 2014 , 109, 302-314	2.8	8
57	Geostatistics of Dependent and Asymptotically Independent Extremes. <i>Mathematical Geosciences</i> , 2013 , 45, 511-529	2.5	63
56	Threshold modeling of extreme spatial rainfall. <i>Water Resources Research</i> , 2013 , 49, 4633-4644	5.4	60
55	Composite likelihood estimation for the Brown-Resnick process. <i>Biometrika</i> , 2013 , 100, 511-518	2	71
54	On the relationship between total ozone and atmospheric dynamics and chemistry at mid-latitudes [Part 1: Statistical models and spatial fingerprints of atmospheric dynamics and chemistry. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 147-164	6.8	38
53	On the relationship between total ozone and atmospheric dynamics and chemistry at mid-latitudes [Part 2: The effects of the El Niño/Southern Oscillation, volcanic eruptions and contributions of atmospheric dynamics and chemistry to long-term total ozone changes. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 165-179	6.8	43
52	A case study of a Dragon-King—The 1999 Venezuelan catastrophe. <i>European Physical Journal: Special Topics</i> , 2012 , 205, 131-146	2.3	11
51	Statistical Modeling of Spatial Extremes. <i>Statistical Science</i> , 2012 , 27,	2.4	309
50	Diabetes imaging—quantitative assessment of islets of Langerhans distribution in murine pancreas using extended-focus optical coherence microscopy. <i>Biomedical Optics Express</i> , 2012 , 3, 1365-80	3.5	18
49	Geostatistics of extremes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 581-608	2.4	93

48	Extreme temperature analysis under forest cover compared to an open field. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 992-1001	5.8	27
47	Spatial modeling of extreme snow depth. <i>Annals of Applied Statistics</i> , 2011 , 5,	2.1	109
46	Extreme events in total ozone over the Northern mid-latitudes: an analysis based on long-term data sets from five European ground-based stations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2011 , 63, 860-874	3.3	21
45	Comparison of Models for Olfactometer Data. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2011 , 16, 157-169	1.9	8
44	Discussions and Rejoinder on Threshold modelling of spatially dependent non-stationary extremes with application to hurricane-induced wave heights. <i>Environmetrics</i> , 2011 , 22, 810-816	1.3	1
43	Three Examples of Accurate Likelihood Inference. <i>American Statistician</i> , 2010 , 64, 131-139	5	2
42	Model misspecification in peaks over threshold analysis. <i>Annals of Applied Statistics</i> , 2010 , 4,	2.1	33
41	Extreme events in total ozone over Arosa [Part 2: Fingerprints of atmospheric dynamics and chemistry and effects on mean values and long-term changes. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 10033-10045	6.8	27
40	Extreme events in total ozone over Arosa [Part 1: Application of extreme value theory. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 10021-10031	6.8	28
39	Effects of Rewarding and Unrewarding Experiences on the Response to Host-induced Plant Odors of the Generalist Parasitoid <i>Cotesia marginiventris</i> (Hymenoptera: Braconidae). <i>Journal of Insect Behavior</i> , 2010 , 23, 303-318	1.1	23
38	Saddlepoint approximation for mixture models. <i>Biometrika</i> , 2009 , 96, 479-486	2	4
37	Stochastic modelling of prey depletion processes. <i>Journal of Theoretical Biology</i> , 2009 , 259, 523-32	2.3	1
36	Entrainment and motion of coarse particles in a shallow water stream down a steep slope. <i>Journal of Fluid Mechanics</i> , 2008 , 595, 83-114	3.7	140
35	Some challenges for statistics. <i>Statistical Methods and Applications</i> , 2008 , 17, 167-181	0.8	2
34	A mixture model for multivariate extremes. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2007 , 69, 217-229	3.9	54
33	Statistical inference for olfactometer data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2007 , 56, 479-492	1.5	12
32	Reliable confidence intervals in quantitative genetics: narrow-sense heritability. <i>Theoretical and Applied Genetics</i> , 2007 , 115, 933-44	6	2
31	Conserved oviposition preferences in alpine leaf beetle populations despite host shifts and isolation. <i>Ecological Entomology</i> , 2007 , 32, 62-69	2.1	15

30	Rapid classification of phenotypic mutants of Arabidopsis via metabolite fingerprinting. <i>Plant Physiology</i> , 2007 , 143, 1484-92	6.6	72
29	Applied Asymptotics: Case Studies in Small-Sample Statistics 2007 ,		88
28	Bayesian forecasting of grape moth emergence. <i>Ecological Modelling</i> , 2006 , 197, 478-489	3	19
27	Bootstrap diagnostics and remedies. <i>Canadian Journal of Statistics</i> , 2006 , 34, 5-27	0.4	24
26	A comparison of naïve and conditioned responses of three generalist endoparasitoids of lepidopteran larvae to host-induced plant odours. <i>Animal Biology</i> , 2006 , 56, 205-220	0.7	51
25	A Laplace mixture model for identification of differential expression in microarray experiments. <i>Biostatistics</i> , 2006 , 7, 630-41	3.7	27
24	The evaluation of evidence in the forensic investigation of fire incidents (Part I): an approach using Bayesian networks. <i>Forensic Science International</i> , 2005 , 147, 49-57	2.6	36
23	The evaluation of evidence in the forensic investigation of fire incidents. Part II. Practical examples of the use of Bayesian networks. <i>Forensic Science International</i> , 2005 , 147, 59-69	2.6	23
22	Generalized additive modelling of sample extremes. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2005 , 54, 207-222	1.5	161
21	Estimating value-at-risk: a point process approach. <i>Quantitative Finance</i> , 2005 , 5, 227-234	1.6	107
20	A six-arm olfactometer permitting simultaneous observation of insect attraction and odour trapping. <i>Physiological Entomology</i> , 2004 , 29, 45-55	1.9	128
19	Non-parametric bootstrap confidence intervals for the intraclass correlation coefficient. <i>Statistics in Medicine</i> , 2003 , 22, 3805-21	2.3	44
18	Statistical Models 2003 ,		329
17	Saddlepoint approximations as smoothers. <i>Biometrika</i> , 2002 , 89, 933-938	2	20
16	A robust rainfall-runoff transfer model. <i>Water Resources Research</i> , 2001 , 37, 3207-3216	5.4	2
15	Local likelihood smoothing of sample extremes. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2000 , 62, 191-208	3.9	100
14	The Partial Scatterplot Matrix. <i>Journal of Computational and Graphical Statistics</i> , 2000 , 9, 750-758	1.4	3
13	The score function and a comparison of various adjustments of the profile likelihood. <i>Canadian Journal of Statistics</i> , 1998 , 26, 139-148	0.4	3

12	Bootstrap Methods and their Application 1997 ,		3813
11	Some Models for Discretized Series of Events. <i>Journal of the American Statistical Association</i> , 1996 , 91, 601-609	2.8	12
10	Accurate and efficient construction of bootstrap likelihoods. <i>Statistics and Computing</i> , 1995 , 5, 257-264	1.8	17
9	On the bias and variability of bootstrap and cross-validation estimates of error rate in discrimination problems. <i>Biometrika</i> , 1992 , 79, 279-284	2	17
8	Treatment effect heterogeneity in paired data. <i>Biometrika</i> , 1992 , 79, 463-474	2	16
7	Bootstrap likelihoods. <i>Biometrika</i> , 1992 , 79, 113-130	2	27
6	Deviance residuals and normal scores plots. <i>Biometrika</i> , 1989 , 76, 211-221	2	29
5	Saddlepoint approximations in resampling methods. <i>Biometrika</i> , 1988 , 75, 417-431	2	120
4	Approximate predictive likelihood. <i>Biometrika</i> , 1986 , 73, 323-332	2	61
3	Some Models for Discretized Series of Events		3
2	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma		3
1	Tail risk inference via expectiles in heavy-tailed time series. <i>Journal of Business and Economic Statistics</i> , 1-34	3.8	0