

Axel Gandy

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

6,492
citations

430874

18
h-index

233421

45
g-index

61
all docs

61
docs citations

61
times ranked

12261
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020, 584, 257-261.	27.8	2,558
2	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. <i>Science</i> , 2021, 372, 815-821.	12.6	1,125
3	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. <i>Nature</i> , 2021, 593, 266-269.	27.8	1,001
4	Age groups that sustain resurging COVID-19 epidemics in the United States. <i>Science</i> , 2021, 371, .	12.6	239
5	Guaranteed Conditional Performance of Control Charts via Bootstrap Methods. <i>Scandinavian Journal of Statistics</i> , 2013, 40, 647-668.	1.4	117
6	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. <i>EClinicalMedicine</i> , 2021, 39, 101064.	7.1	116
7	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020, 11, 6189.	12.8	104
8	A Bayesian Methodology for Systemic Risk Assessment in Financial Networks. <i>Management Science</i> , 2017, 63, 4428-4446.	4.1	91
9	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020, 395, e110-e111.	13.7	70
10	Sequential Implementation of Monte Carlo Tests With Uniformly Bounded Resampling Risk. <i>Journal of the American Statistical Association</i> , 2009, 104, 1504-1511.	3.1	43
11	Importance subsampling: improving power system planning under climate-based uncertainty. <i>Applied Energy</i> , 2019, 251, 113114.	10.1	36
12	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200596.	3.4	32
13	On Goodness-of-Fit Tests for Aalen's Additive Risk Model. <i>Scandinavian Journal of Statistics</i> , 2005, 32, 425-445.	1.4	30
14	Risk-adjusted monitoring of time to event. <i>Biometrika</i> , 2010, 97, 375-388.	2.4	29
15	A non-parametric approach to software reliability. <i>Applied Stochastic Models in Business and Industry</i> , 2004, 20, 3-15.	1.5	28
16	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. <i>Scientific Reports</i> , 2021, 11, 16342.	3.3	26
17	A Bayesian approach to star-galaxy classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 2286-2302.	4.4	23
18	Non-restarting cumulative sum charts and control of the false discovery rate. <i>Biometrika</i> , 2013, 100, 261-268.	2.4	23

#	ARTICLE	IF	CITATIONS
19	Adjustable network reconstruction with applications to CDS exposures. <i>Journal of Multivariate Analysis</i> , 2019, 172, 193-209.	1.0	22
20	MMCTest – A Safe Algorithm for Implementing Multiple Monte Carlo Tests. <i>Scandinavian Journal of Statistics</i> , 2014, 41, 1083-1101.	1.4	17
21	Checking a Semiparametric Additive Risk Model. <i>Lifetime Data Analysis</i> , 2005, 11, 451-472.	0.9	14
22	THE EFFECT OF ESTIMATION IN HIGH-DIMENSIONAL PORTFOLIOS. <i>Mathematical Finance</i> , 2013, 23, 531-559.	1.8	14
23	Fast computation of high-dimensional multivariate normal probabilities. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 1521-1529.	1.2	13
24	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. <i>BMJ Open</i> , 2021, 11, e050346.	1.9	13
25	Model checks for Cox-type regression models based on optimally weighted martingale residuals. <i>Lifetime Data Analysis</i> , 2009, 15, 534-557.	0.9	12
26	A Lévy-driven rainfall model with applications to futures pricing. <i>ASTA Advances in Statistical Analysis</i> , 2015, 99, 403-432.	0.9	12
27	INTERNATIONAL VARIATIONS IN LIFE EXPECTANCY: A SPATIO-TEMPORAL ANALYSIS. <i>Tijdschrift Voor Economische En Sociale Geografie</i> , 2010, 101, 73-90.	2.1	10
28	CASOS: a subspace method for anomaly detection in high dimensional astronomical databases. <i>Statistical Analysis and Data Mining</i> , 2013, 6, 53-72.	2.8	10
29	A Framework for Monte Carlo based Multiple Testing. <i>Scandinavian Journal of Statistics</i> , 2016, 43, 1046-1063.	1.4	8
30	Reply to: The effect of interventions on COVID-19. <i>Nature</i> , 2020, 588, E29-E32.	27.8	7
31	Decision support in early development phases – A case study from machine engineering. <i>Reliability Engineering and System Safety</i> , 2007, 92, 921-929.	8.9	6
32	Performance monitoring of credit portfolios using survival analysis. <i>International Journal of Forecasting</i> , 2012, 28, 139-144.	6.5	6
33	An algorithm to compute the power of Monte Carlo tests with guaranteed precision. <i>Annals of Statistics</i> , 2013, 41, .	2.6	6
34	The Chopthin Algorithm for Resampling. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 4273-4281.	5.3	6
35	QuickMMCTest: quick multiple Monte Carlo testing. <i>Statistics and Computing</i> , 2017, 27, 823-832.	1.5	6
36	Global tests in the additive hazards regression model. <i>Statistics in Medicine</i> , 2008, 27, 831-844.	1.6	5

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37	Efficient Quantification of the Impact of Demand and Weather Uncertainty in Power System Models. IEEE Transactions on Power Systems, 2021, 36, 1771-1779.	6.5	5
38	Classification and Anomaly Detection for Astronomical Survey Data. , 2013, , 149-184.		5
39	An omnibus CUSUM chart for monitoring time to event data. Lifetime Data Analysis, 2014, 20, 481-494.	0.9	4
40	Compound Poisson models for weighted networks with applications in finance. Mathematics and Financial Economics, 2021, 15, 131-153.	1.7	4
41	Scoring predictions at extreme quantiles. AStA Advances in Statistical Analysis, 0, , 1.	0.9	4
42	Host or pathogen-related factors in COVID-19 severity? " Authors' reply. Lancet, The, 2020, 396, 1397.	13.7	3
43	EFFECTS OF UNCERTAINTIES IN COMPONENTS ON THE SURVIVAL OF COMPLEX SYSTEMS WITH GIVEN DEPENDENCIES. Series on Quality, Reliability and Engineering Statistics, 2005, , 177-189.	0.2	3
44	RMCMC: A system for updating Bayesian models. Computational Statistics and Data Analysis, 2014, 80, 99-110.	1.2	2
45	A simple method for implementing Monte Carlo tests. Computational Statistics, 2020, 35, 1373-1392.	1.5	2
46	Importance subsampling for power system planning under multi-year demand and weather uncertainty. , 2020, , .		2
47	Optimality of Non-Restarting CUSUM Charts. Sequential Analysis, 2013, 32, 458-468.	0.5	1
48	Mathematische Modelle zur quantitativen Analyse der ZuverlÄssigkeit. , 2009, , 99-155.		0
49	Special Issue on Astrostatistics. Statistical Analysis and Data Mining, 2013, 6, 1-2.	2.8	0
50	Enhancing football league tables. Significance, 2016, 13, 8-9.	0.4	0
51	Implementing Monte Carlo tests with pÄvalue buckets. Scandinavian Journal of Statistics, 2020, 47, 950-967.	1.4	0
52	State-Dependent Kernel Selection for Conditional Sampling of Graphs. Journal of Computational and Graphical Statistics, 2020, 29, 847-858.	1.7	0
53	Does the Success of a Grant Application Depend on Gender, Nationality, or Ethnicity? An Observational Study. SSRN Electronic Journal, 0, , .	0.4	0
54	Compound Poisson Models for Financial Networks. SSRN Electronic Journal, 0, , .	0.4	0