Axel Gandy

List of Publications by Year in descending order

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	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
2	Compound Poisson models for weighted networks with applications in finance. Mathematics and Financial Economics, 2021, 15, 131-153.	1.7	4
3	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. Nature, 2021, 593, 266-269.	27.8	1,001
4	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	12.6	239
5	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. BMJ Open, 2021, 11, e050346.	1.9	13
6	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Science, 2021, 372, 815-821.	12.6	1,125
7	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. Scientific Reports, 2021, 11, 16342.	3.3	26
8	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. EClinicalMedicine, 2021, 39, 101064.	7.1	116
9	A simple method for implementing Monte Carlo tests. Computational Statistics, 2020, 35, 1373-1392.	1.5	2
10	Implementing Monte Carlo tests with p–value buckets. Scandinavian Journal of Statistics, 2020, 47, 950-967.	1.4	0
11	Importance subsampling for power system planning under multi-year demand and weather uncertainty. , 2020, , .		2
12	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. Journal of the Royal Society Interface, 2020, 17, 20200596.	3.4	32
13	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
14	Reply to: The effect of interventions on COVID-19. Nature, 2020, 588, E29-E32.	27.8	7
15	Host or pathogen-related factors in COVID-19 severity? â€" Authors' reply. Lancet, The, 2020, 396, 1397.	13.7	3
16	State-Dependent Kernel Selection for Conditional Sampling of Graphs. Journal of Computational and Graphical Statistics, 2020, 29, 847-858.	1.7	0
17	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. Lancet, The, 2020, 395, e110-e111.	13.7	70
18	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558

#	Article	IF	Citations
19	Adjustable network reconstruction with applications to CDS exposures. Journal of Multivariate Analysis, 2019, 172, 193-209.	1.0	22
20	Importance subsampling: improving power system planning under climate-based uncertainty. Applied Energy, 2019, 251, 113114.	10.1	36
21	QuickMMCTest: quick multiple Monte Carlo testing. Statistics and Computing, 2017, 27, 823-832.	1.5	6
22	A Bayesian Methodology for Systemic Risk Assessment in Financial Networks. Management Science, 2017, 63, 4428-4446.	4.1	91
23	The Chopthin Algorithm for Resampling. IEEE Transactions on Signal Processing, 2016, 64, 4273-4281.	5.3	6
24	Enhancing football league tables. Significance, 2016, 13, 8-9.	0.4	0
25	A Framework for Monte Carlo based Multiple Testing. Scandinavian Journal of Statistics, 2016, 43, 1046-1063.	1.4	8
26	A LÃ©vy-driven rainfall model with applications to futures pricing. AStA Advances in Statistical Analysis, 2015, 99, 403-432.	0.9	12
27	MMCTestâ€"A Safe Algorithm for Implementing Multiple Monte Carlo Tests. Scandinavian Journal of Statistics, 2014, 41, 1083-1101.	1.4	17
28	An omnibus CUSUM chart for monitoring time to event data. Lifetime Data Analysis, 2014, 20, 481-494.	0.9	4
29	RMCMC: A system for updating Bayesian models. Computational Statistics and Data Analysis, 2014, 80, 99-110.	1.2	2
30	THE EFFECT OF ESTIMATION IN HIGHâ€DIMENSIONAL PORTFOLIOS. Mathematical Finance, 2013, 23, 531-559.	1.8	14
31	Guaranteed Conditional Performance of Control Charts via Bootstrap Methods. Scandinavian Journal of Statistics, 2013, 40, 647-668.	1.4	117
32	Non-restarting cumulative sum charts and control of the false discovery rate. Biometrika, 2013, 100, 261-268.	2.4	23
33	CASOS: a subspace method for anomaly detection in high dimensional astronomical databases. Statistical Analysis and Data Mining, 2013, 6, 53-72.	2.8	10
34	Special Issue on Astrostatistics. Statistical Analysis and Data Mining, 2013, 6, 1-2.	2.8	0
35	An algorithm to compute the power of Monte Carlo tests with guaranteed precision. Annals of Statistics, 2013, 41, .	2.6	6
36	Optimality of Non-Restarting CUSUM Charts. Sequential Analysis, 2013, 32, 458-468.	0.5	1

#	Article	IF	Citations
37	Classification and Anomaly Detection for Astronomical Survey Data. , 2013, , 149-184.		5
38	Performance monitoring of credit portfolios using survival analysis. International Journal of Forecasting, 2012, 28, 139-144.	6.5	6
39	A Bayesian approach to star-galaxy classification. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2286-2302.	4.4	23
40	Fast computation of high-dimensional multivariate normal probabilities. Computational Statistics and Data Analysis, 2011, 55, 1521-1529.	1.2	13
41	INTERNATIONAL VARIATIONS IN LIFE EXPECTANCY: A SPATIOâ€TEMPORAL ANALYSIS. Tijdschrift Voor Economische En Sociale Geografie, 2010, 101, 73-90.	2.1	10
42	Risk-adjusted monitoring of time to event. Biometrika, 2010, 97, 375-388.	2.4	29
43	Sequential Implementation of Monte Carlo Tests With Uniformly Bounded Resampling Risk. Journal of the American Statistical Association, 2009, 104, 1504-1511.	3.1	43
44	Model checks for Cox-type regression models based on optimally weighted martingale residuals. Lifetime Data Analysis, 2009, 15, 534-557.	0.9	12
45	Mathematische Modelle zur quantitativen Analyse der ZuverlÃ¤ssigkeit. , 2009, , 99-155.		0
46	Global tests in the additive hazards regression model. Statistics in Medicine, 2008, 27, 831-844.	1.6	5
47	Decision support in early development phasesâ€"A case study from machine engineering. Reliability Engineering and System Safety, 2007, 92, 921-929.	8.9	6
48	On Goodness-of-Fit Tests for Aalen's Additive Risk Model. Scandinavian Journal of Statistics, 2005, 32, 425-445.	1.4	30
49	Checking a Semiparametric Additive Risk Model. Lifetime Data Analysis, 2005, 11, 451-472.	0.9	14
50	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
51	A non-parametric approach to software reliability. Applied Stochastic Models in Business and Industry, 2004, 20, 3-15.	1.5	28
52	Does the Success of a Grant Application Depend on Gender, Nationality, or Ethnicity? An Observational Study. SSRN Electronic Journal, 0, , .	0.4	0
53	Compound Poisson Models for Financial Networks. SSRN Electronic Journal, 0, , .	0.4	0
54	Scoring predictions at extreme quantiles. AStA Advances in Statistical Analysis, 0, , 1.	0.9	4