David R Brillinger

List of Publications by Year
in descending order

85 papers	3,291 citations	218677 26 h-index	197818 49 g-index
96 all docs	96 docs citations	96 times ranked	2007 citing authors

#	Article	IF	Citations
1	Analyzing finger-movement trajectories with stochastic differential equations incorporating persistence. , 2017, , .		0
2	An exploratory data analysis of the temperature fluctuations in a spreading fire. Environmetrics, 2014, 25, 443-453.	1.4	2
3	Aligning some Nicholson sheepâ€blowfly data sets with system input periods. Stat, 2013, 2, 9-21.	0.4	1
4	Aligning some Nicholson sheep-blowfly data sets with system input periods. Stat, 2013, , n/a-n/a.	0.4	0
5	AN ANALYSIS OF 1990-2011 ONTARIO SURFACE AIR TEMPERATURES. , 2013, , .		0
6	The Nicholson blowfly experiments: some history and EDA. Journal of Time Series Analysis, 2012, 33, 718-723.	1.2	6
7	A Generalized Linear Model With â€œGaussianâ€•Regressor Variables. , 2012, , 589-606.		17
8	Some Examples of Empirical Fourier Analysis in Scientific Problems. , 2012, , 251-286.		0
9	Necessary and sufficient conditions for a statistical problem to be invariant under a Lie group. , 2012, , 11-19.		2
10	Some Examples of Random Process Environmental Data Analysis. , 2012, , 287-322.		1
11	Random Process Methods And Environmental Data: The 1996 Hunter Lecture. , 2012, , 425-437.		0
12	Some Statistical Methods for Random Process Data from Seismology and Neurophysiology. , 2012, , 89-142.		9
13	Nerve Cell Spike Train Data Analysis: A Progression of Technique. , 2012, , 577-588.		15
14	Stochastic modeling of particle movement with application to marine biology and oceanography. Journal of Statistical Planning and Inference, 2010, 140, 3597-3607.	0.6	0
15	Some examples of the communication of risk and uncertainty. Environmetrics, 2010, 21, 719-727.	1.4	2
16	An analysis of Chinese Super League partial results. Science in China Series A: Mathematics, 2009, 52, 1139-1151.	0.5	6
17	Three months journeying of a Hawaiian monk seal. , 2008, , 246-264.		11
18	MODELLING SOME NORWEGIAN SOCCER DATA. , 2007, , 3-20.		5

#	Article	IF	Citations
19	Mutual information in the frequency domain. Journal of Statistical Planning and Inference, 2007, 137, 1076-1084.	0.6	20
20	Probability based models for estimation of wildfire risk. International Journal of Wildland Fire, 2004, 13, 133.	2.4	238
21	An exploratory data analysis (EDA) of the paths of moving animals. Journal of Statistical Planning and Inference, 2004, 122, 43-63.	0.6	64
22	Three Environmental Probabilistic Risk Problems. Statistical Science, 2003, 18, 412.	2.8	19
23	John W. Tukey: his life and professional contributions. Annals of Statistics, 2002, 30, 1535.	2.6	39
24	John W. Tukey's work on time series and spectrum analysis. Annals of Statistics, 2002, 30, 1595.	2.6	26
25	Employing stochastic differential equations to model wildlife motion. Bulletin of the Brazilian Mathematical Society, 2002, 33, 385-408.	0.8	51
26	SECOND-ORDER MOMENTS AND MUTUAL INFORMATION IN THE ANALYSIS OF TIME SERIES. , 2002, , .		10
27	Does Anyone Know When the Correlation Coefficient Is Useful? A Study of the Times of Extreme River Flows. Technometrics, 2001, 43, 266-273.	1.9	7
28	Automatic methods for generating seismic intensity maps. Journal of Applied Probability, 2001, 38, 188-201.	0.7	0
29	Automatic methods for generating seismic intensity maps. Journal of Applied Probability, 2001, 38, 188-201.	0.7	2
30	2 Some examples of random process environmental data analysis. Handbook of Statistics, 2000, , 33-56.	0.6	1
31	Elephant-seal movements: Modelling migration. Canadian Journal of Statistics, 1998, 26, 431-443.	0.9	39
32	Maximum likelihood solutions for layer parameters based on dynamic surface wave spectra. Physics of the Earth and Planetary Interiors, 1997, 103, 337-342.	1.9	3
33	Assessing Connections in Networks of Biological Neurons. , 1997, , 77-92.		6
34	A Particle Migrating Randomly on a Sphere. Journal of Theoretical Probability, 1997, 10, 429-443.	0.8	57
35	RANDOM PROCESS METHODS AND ENVIRONMENTAL DATA: THE 1996 HUNTER LECTURE. Environmetrics, 1997, 8, 269-281.	1.4	12
36	Elephant Seal Movements: Dive Types and Their Sequences. Lecture Notes in Statistics, 1997, , 275-288.	0.2	6

#	Article	IF	Citations
37	An Application of Statistics to Meteorology: Estimation of Motion. , 1997, , 93-105.		5
38	Some uses if cumulants in wavelet analysis. Journal of Nonparametric Statistics, 1996, 6, 93-114.	0.9	46
39	An analysis of an ordinal-valued time series. Lecture Notes in Statistics, 1996, , 73-87.	0.2	6
40	Examples of Scientific Problems and Data Analyses in Demography, Neurophysiology, and Seismology. Journal of Computational and Graphical Statistics, 1994, 3, 1-22.	1.7	18
41	Trend analysis: Time series and point process problems. Environmetrics, 1994, 5, 1-19.	1.4	42
42	Some river wavelets. Environmetrics, 1994, 5, 211-220.	1.4	35
43	Some basic aspects and uses of higher-order spectra. Signal Processing, 1994, 36, 239-249.	3.7	20
44	Time series, point processes, and hybrids. Canadian Journal of Statistics, 1994, 22, 177-206.	0.9	23
45	Examples of Scientific Problems and Data Analyses in Demography, Neurophysiology, and Seismology. Journal of Computational and Graphical Statistics, 1994, 3, 1.	1.7	14
46	Examples of the Investigation of Neural Information Processing by Point Process Analysis. , 1994, , 111-127.		6
47	Earthquake risk and insurance. Environmetrics, 1993, 4, 1-21.	1.4	37
48	The digital rainbow: Some history and applications of numerical spectrum analysis. Canadian Journal of Statistics, 1993, 21, 1-19.	0.9	10
49	Nerve Cell Spike Train Data Analysis: A Progression of Technique. Journal of the American Statistical Association, 1992, 87, 260-271.	3.1	72
50	Some statistical aspects of low-dose electron imaging of crystals. Journal of Statistical Planning and Inference, 1990, 25, 235-259.	0.6	7
51	Combining noisy images of small crystalline domains in high resolution electron microscopy. Journal of Applied Statistics, 1989, 16, 165-175.	1.3	10
52	Consistent detection of a monotonic trend superposed on a stationary time series. Biometrika, 1989, 76, 23-30.	2.4	65
53	Parameter Estimation for Nongaussian Processes via Second and Third Order Spectra with an Application to Some Endocrine Data. , 1989, , 53-61.		5
54	The maximum likelihood approach to the identification of neuronal firing systems. Annals of Biomedical Engineering, 1988, 16, 3-16.	2.5	22

#	Article	IF	Citations
55	Fitting Cosines: Some Procedures and Some Physical Examples. , 1987, , 75-100.		49
56	Regression for randomly sampled spatial series: the trigonometric case. Journal of Applied Probability, 1986, 23, 275-289.	0.7	2
57	FOURIER INFERENCE: SOME METHODS FOR THE ANALYSIS OF ARRAY AND NONGAUSSIAN SERIES DATA. Journal of the American Water Resources Association, 1985, 21, 743-756.	2.4	27
58	Further analysis of the Joyner-Boore attenuation data. Bulletin of the Seismological Society of America, 1985, 75, 611-614.	2.3	109
59	Statistical Inference for Irregularly Observed Processes. Lecture Notes in Statistics, 1984, , 38-57.	0.2	9
60	Some Contrasting Examples of the Time and Frequency Domain Approaches to Time Series Analysis. Developments in Water Science, 1982, , 1-15.	0.1	2
61	Some bounds for seismic risk. Bulletin of the Seismological Society of America, 1982, 72, 1403-1410.	2.3	23
62	THE COMPARISON OF LEAST SQUARES AND THIRD-ORDER PERIODOGRAM PROCEDURES IN THE ESTIMATION OF BIFREQUENCY. Journal of Time Series Analysis, 1980, 1, 95-102.	1.2	31
63	8 Analysis of variance and problems under time series models. Handbook of Statistics, 1980, 1, 237-278.	0.6	15
64	Empirical examination of the threshold model of neuron firing. Biological Cybernetics, 1979, 35, 213-220.	1.3	68
65	Analyzing point processes subjected to random deletions. Canadian Journal of Statistics, 1979, 7, 21-27.	0.9	10
66	Interpretation of kernels. II. same-signed 1st- and 2nd-degree (main-diagonal) kernels of the human pupillary system. Mathematical Biosciences, 1979, 46, 159-187.	1.9	11
67	Comparative Aspects of the Study of Ordinary Time Series and of Point Processesâ€ â€This research was partially supported by the J. S. Guggenheim Memorial Foundation and National Science Foundation Grant MCS76â€“06117.. Developments in Statistics, 1978, , 33-133.	0.2	31
68	The identification of a particular nonlinear time series system. Biometrika, 1977, 64, 509-515.	2.4	131
69	Measuring the Association of Point Processes: A Case History. American Mathematical Monthly, 1976, 83, 16-22.	0.3	25
70	Identification of synaptic interactions. Biological Cybernetics, 1976, 22, 213-228.	1.3	146
71	The Identification of Point Process Systems. Annals of Probability, 1975, 3, 909.	1.8	119
72	The asymptotic distribution of the Whittaker periodogram and a related chi-squared statistic for stationary processes. Biometrika, 1974, 61, 419-422.	2.4	13

#	Article	IF	Citations
73	Cross-Spectral Analysis of Processes with Stationary Increments Including the Stationary $G/G/infty$ Queue. Annals of Probability, 1974, 2, .	1.8	38
74	Estimation of the mean of a stationary time series by sampling. Journal of Applied Probability, 1973, 10, 419-431.	0.7	37
75	Estimation of the mean of a stationary time series by sampling. Journal of Applied Probability, 1973, 10, 419-431.	0.7	33
76	The Analysis of Time Series Collected in an Experimental Design11This paper was prepared with the support of the NSF grant GP-31411.. , 1973, , 241-256.		29
77	THE SPECTRAL ANALYSIS OF STATIONARY INTERVAL FUNCTIONS. , 1972, , 483-514.		25
78	Asymptotic properties of spectral estimates of second order. Biometrika, 1969, 56, 375-390.	2.4	108
79	The calculation of cumulants via conditioning. Annals of the Institute of Statistical Mathematics, 1969, 21, 215-218.	0.8	57
80	An Harmonic Analysis of Nonstationary Multivariate Economic Processes. Econometrica, 1969, 37, 131.	4.2	13
81	Estimation of the Crossâ€Spectrum of a Stationary Bivariate Gaussian Process from its Zeros. Journal of the Royal Statistical Society Series B: Methodological, 1968, 30, 145-159.	0.7	5
82	The Analyticity of the Roots of a Polynomial as Functions of the Coefficients. Mathematics Magazine, 1966, 39, 145-147.	0.1	11
83	The Analyticity of the Roots of a Polynomial as Functions of the Coefficients. Mathematics Magazine, 1966, 39, 145.	0.1	9
84	An Introduction to Polyspectra. Annals of Mathematical Statistics, 1965, 36, 1351-1374.	0.5	473
85	Examples Bearing on the Definition of Fiducial Probability with a Bibliography. Annals of Mathematical Statistics, 1962, 33, 1349-1355.	0.5	34