

Bernard W Silverman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4339339/publications.pdf>

Version: 2024-02-01

62
papers

7,680
citations

117625
34
h-index

138484
58
g-index

65
all docs

65
docs citations

65
times ranked

7084
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonparametric Regression and Generalized Linear Models. , 1994, , .		1,437
2	The contribution of species richness and composition to bacterial services. Nature, 2005, 436, 1157-1160.	27.8	793
3	Wavelet Threshold Estimators for Data with Correlated Noise. Journal of the Royal Statistical Society Series B: Statistical Methodology, 1997, 59, 319-351.	2.2	636
4	Weak and strong uniform consistency of kernel regression estimates. Zeitschrift für Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1982, 61, 405-415.	0.8	366
5	Flexible Parsimonious Smoothing and Additive Modeling. Technometrics, 1989, 31, 3-21.	1.9	334
6	Extremely Large Variations of Atmospheric 14C Concentration During the Last Glacial Period. Science, 2001, 292, 2453-2458.	12.6	334
7	Needles and straw in haystacks: Empirical Bayes estimates of possibly sparse sequences. Annals of Statistics, 2004, 32, .	2.6	283
8	Smoothed functional principal components analysis by choice of norm. Annals of Statistics, 1996, 24, 1.	2.6	263
9	Weak and Strong Uniform Consistency of the Kernel Estimate of a Density and its Derivatives. Annals of Statistics, 1978, 6, 177.	2.6	242
10	The Influence of Recombination on Human Genetic Diversity. PLoS Genetics, 2006, 2, e148.	3.5	231
11	Empirical Bayes selection of wavelet thresholds. Annals of Statistics, 2005, 33, 1700.	2.6	226
12	The bootstrap: To smooth or not to smooth?. Biometrika, 1987, 74, 469-479.	2.4	205
13	Wavelet decomposition approaches to statistical inverse problems. Biometrika, 1998, 85, 115-129.	2.4	165
14	Human metabolic profiles are stably controlled by genetic and environmental variation. Molecular Systems Biology, 2011, 7, 525.	7.2	158
15	Interdependent Encoding of Pitch, Timbre, and Spatial Location in Auditory Cortex. Journal of Neuroscience, 2009, 29, 2064-2075.	3.6	152
16	Self-organizing nest construction in ants: sophisticated building by blind bulldozing. Animal Behaviour, 1992, 44, 357-375.	1.9	147
17	The discrete multiple wavelet transform and thresholding methods. IEEE Transactions on Signal Processing, 1998, 46, 2558-2561.	5.3	134
18	Speed of Estimation in Positron Emission Tomography and Related Inverse Problems. Annals of Statistics, 1990, 18, .	2.6	115

#	ARTICLE	IF	CITATIONS
19	Flexible Parsimonious Smoothing and Additive Modeling. <i>Technometrics</i> , 1989, 31, 3.	1.9	114
20	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201405.	2.6	106
21	Short distances, flat triangles and Poisson limits. <i>Journal of Applied Probability</i> , 1978, 15, 815-825.	0.7	95
22	The estimation of residual variance in nonparametric regression. <i>Biometrika</i> , 1988, 75, 189-199.	2.4	93
23	Extending the Scope of Wavelet Regression Methods by Coefficient-Dependent Thresholding. <i>Journal of the American Statistical Association</i> , 2000, 95, 172-183.	3.1	87
24	Functional Adaptive Model Estimation. <i>Journal of the American Statistical Association</i> , 2005, 100, 565-576.	3.1	79
25	The effect of foot imbalance on point of force application in the horse. <i>Equine Veterinary Journal</i> , 1998, 30, 540-545.	1.7	78
26	Block diagrams and splitting criteria for classification trees. <i>Statistics and Computing</i> , 1993, 3, 147-161.	1.5	60
27	Constructing the convex hull of a set of points in the plane. <i>Computer Journal</i> , 1979, 22, 262-266.	2.4	54
28	Convergence of a Class of Empirical Distribution Functions of Dependent Random Variables. <i>Annals of Probability</i> , 1983, 11, 745.	1.8	54
29	EbayesThresh : R Programs for Empirical Bayes Thresholding. <i>Journal of Statistical Software</i> , 2005, 12, .	3.7	46
30	Wavelets in statistics: beyond the standard assumptions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 2459-2473.	3.4	40
31	Quick tests for spatial interaction. <i>Biometrika</i> , 1978, 65, 641-642.	2.4	38
32	Discretization effects in statistical inverse problems. <i>Journal of Complexity</i> , 1991, 7, 1-34.	1.3	38
33	Shape of the intercondylar notch of the human femur: a comparison of osteoarthritic and non-osteoarthritic bones from a skeletal sample. <i>Annals of the Rheumatic Diseases</i> , 2001, 60, 968-973.	0.9	38
34	Extending the Scope of Wavelet Regression Methods by Coefficient-Dependent Thresholding. <i>Journal of the American Statistical Association</i> , 2000, 95, 172.	3.1	37
35	Caffeine as a metabolic probe: a comparison of the metabolic ratios used to assess CYP1A2 activity.. <i>British Journal of Clinical Pharmacology</i> , 1995, 39, 65-69.	2.4	34
36	Temperature schedules for simulated annealing. <i>Statistics and Computing</i> , 1994, 4, 21-32.	1.5	30

#	ARTICLE	IF	CITATIONS
37	Multiple-Systems Analysis for the Quantification of Modern Slavery: Classical and Bayesian Approaches. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2020, 183, 691-736.	1.1	29
38	Multiple Systems Estimation for Sparse Capture Data: Inferential Challenges When There Are Nonoverlapping Lists. <i>Journal of the American Statistical Association</i> , 2021, 116, 1297-1306.	3.1	25
39	Rates of Poisson convergence for U-statistics. <i>Journal of Applied Probability</i> , 1979, 16, 428-432.	0.7	24
40	How many trafficked people are there in Greater New Orleans? Lessons in measurement. <i>Journal of Human Trafficking</i> , 2020, 6, 375-387.	1.2	23
41	Monotone Discriminant Functions and Their Applications in Rheumatology. <i>Journal of the American Statistical Association</i> , 1997, 92, 144-153.	3.1	22
42	<title>Scattered data smoothing by empirical Bayesian shrinkage of second-generation wavelet coefficients</title>. , 2001, , .		21
43	Posterior probability intervals for wavelet thresholding. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2002, 64, 189-205.	2.2	21
44	A multiresolution approach to time warping achieved by a Bayesian prior-posterior transfer fitting strategy. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2010, 72, 673-694.	2.2	19
45	On a Gaussian process related to multivariate probability density estimation. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1976, 80, 135-144.	0.4	16
46	A comparison of the Reinsch and Speckman splines. <i>Biometrika</i> , 1992, 79, 81-91.	2.4	16
47	The shape of the distal femur: a palaeopathological comparison of eburnated and non-eburnated femora. <i>Annals of the Rheumatic Diseases</i> , 1999, 58, 72-78.	0.9	16
48	Convergence of spatial birth-and-death processes. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1981, 90, 155-165.	0.4	15
49	A class of two-type point processes. <i>Zeitschrift für Wahrscheinlichkeitstheorie Und Verwandte Gebiete</i> , 1981, 58, 299-308.	0.8	14
50	Stochastic expansions in an overcomplete wavelet dictionary. <i>Probability Theory and Related Fields</i> , 2000, 117, 133-144.	1.8	13
51	Some asymptotic properties of the probabilistic teacher (Corresp.). <i>IEEE Transactions on Information Theory</i> , 1980, 26, 246-249.	2.4	9
52	The microstructure of glass fibre reinforced polyester resin composites. <i>Journal of Microscopy</i> , 1978, 114, 131-141.	1.8	8
53	Distribution of distal femoral osteophytes in a human skeletal population. <i>Annals of the Rheumatic Diseases</i> , 2000, 59, 513-520.	0.9	8
54	Monotone Discriminant Functions and Their Applications in Rheumatology. <i>Journal of the American Statistical Association</i> , 1997, 92, 144.	3.1	8

#	ARTICLE	IF	CITATIONS
55	Efficient implementation of the Ada overloading rules. Information Processing Letters, 1980, 10, 120-123.	0.6	7
56	Boundary coiflets for wavelet shrinkage in function estimation. Journal of Applied Probability, 2004, 41, 81-98.	0.7	7
57	Covid-19 and child criminal exploitation in the UK: implications of the pandemic for county lines. Trends in Organized Crime, 2023, 26, 156-179.	1.3	6
58	[Flexible Parsimonious Smoothing and Additive Modeling]: Response. Technometrics, 1989, 31, 35.	1.9	3
59	Function Estimation and Functional Data Analysis. Progress in Mathematics, 1994, , 407-427.	0.3	3
60	Introduction to discussion of "Coauthorship and citation networks for statisticians". Annals of Applied Statistics, 2016, 10, .	1.1	1
61	Density Estimation and Bump-Hunting by the Penalized Likelihood Method Exemplified by Scattering and Meteorite Data: Comment. Journal of the American Statistical Association, 1980, 75, 67.	3.1	0
62	Julian Ernst Besag. 26 March 1945"6 August 2010. Biographical Memoirs of Fellows of the Royal Society, 2018, 64, 27-50.	0.1	0