

Steffen Lilholt Lauritzen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1041662/publications.pdf>

Version: 2024-02-01

67
papers

5,367
citations

147801

31
h-index

114465

63
g-index

74
all docs

74
docs citations

74
times ranked

2665
citing authors

#	ARTICLE	IF	CITATIONS
1	The EM algorithm for graphical association models with missing data. Computational Statistics and Data Analysis, 1995, 19, 191-201.	1.2	500
2	Bayesian Analysis in Expert Systems. Statistical Science, 1993, 8, 219.	2.8	470
3	Graphical Models for Associations between Variables, some of which are Qualitative and some Quantitative. Annals of Statistics, 1989, 17, 31.	2.6	433
4	Sequential updating of conditional probabilities on directed graphical structures. Networks, 1990, 20, 579-605.	2.7	373
5	Independence properties of directed markov fields. Networks, 1990, 20, 491-505.	2.7	370
6	Markov Fields and Log-Linear Interaction Models for Contingency Tables. Annals of Statistics, 1980, 8, 522.	2.6	360
7	Hyper Markov Laws in the Statistical Analysis of Decomposable Graphical Models. Annals of Statistics, 1993, 21, 1272.	2.6	312
8	Propagation of Probabilities, Means, and Variances in Mixed Graphical Association Models. Journal of the American Statistical Association, 1992, 87, 1098-1108.	3.1	292
9	Graphical and Recursive Models for Contingency Tables. Biometrika, 1983, 70, 537.	2.4	162
10	Stable local computation with conditional Gaussian distributions. Statistics and Computing, 2001, 11, 191-203.	1.5	156
11	Chain graph models and their causal interpretations. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2002, 64, 321-348.	2.2	145
12	Representing and Solving Decision Problems with Limited Information. Management Science, 2001, 47, 1235-1251.	4.1	123
13	Graphical Models for Genetic Analyses. Statistical Science, 2003, 18, 489.	2.8	108
14	Probabilistic expert systems for DNA mixture profiling. Theoretical Population Biology, 2003, 63, 191-205.	1.1	97
15	Graphical Models with R. , 2012, , .		96
16	Analysis of Forensic DNA Mixtures with Artefacts. Journal of the Royal Statistical Society Series C: Applied Statistics, 2015, 64, 1-48.	1.0	90
17	Chapter 4: Statistical Manifolds. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1987, 10, 163-216.	1.0	89
18	On Substantive Research Hypotheses, Conditional Independence Graphs and Graphical Chain Models. Journal of the Royal Statistical Society Series B: Methodological, 1990, 52, 21-50.	0.7	73

#	ARTICLE	IF	CITATIONS
19	Time Series Analysis in 1880: A Discussion of Contributions Made by T.N. Thiele. <i>International Statistical Review</i> , 1981, 49, 319.	1.9	72
20	Decomposition of maximum likelihood in mixed graphical interaction models. <i>Biometrika</i> , 1989, 76, 539-555.	2.4	65
21	Proper local scoring rules. <i>Annals of Statistics</i> , 2012, 40, .	2.6	65
22	Graphical Gaussian Models With Edge and Vertex Symmetries. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2008, 70, 1005-1027.	2.2	60
23	Identification and separation of DNA mixtures using peak area information. <i>Forensic Science International</i> , 2007, 166, 28-34.	2.2	54
24	A gamma model for {DNA} mixture analyses. <i>Bayesian Analysis</i> , 2007, 2, 333.	3.0	51
25	Probabilistic expert systems for handling artifacts in complex DNA mixtures. <i>Forensic Science International: Genetics</i> , 2011, 5, 202-209.	3.1	47
26	Propagation of Probabilities, Means, and Variances in Mixed Graphical Association Models. <i>Journal of the American Statistical Association</i> , 1992, 87, 1098.	3.1	45
27	The TM algorithm for maximising a conditional likelihood function. <i>Biometrika</i> , 2001, 88, 961-972.	2.4	41
28	Causal Inference from Graphical Models. <i>Monographs on Statistics and Applied Probability</i> , 2000, , .	0.3	40
29	Local computation with valuations from a commutative semigroup. <i>Annals of Mathematics and Artificial Intelligence</i> , 1997, 21, 51-69.	1.3	39
30	Discussion on Causality. <i>Scandinavian Journal of Statistics</i> , 2004, 31, 189-193.	1.4	38
31	aHUGIN: A System Creating Adaptive Causal Probabilistic Networks. , 1992, , 223-229.		37
32	Globally convergent algorithms for maximizing a likelihood function. <i>Biometrika</i> , 1991, 78, 867-877.	2.4	35
33	The estimation of phase-type related functionals using Markov chain Monte Carlo methods. <i>Scandinavian Actuarial Journal</i> , 2003, 2003, 280-300.	1.7	35
34	Bounding the number of contributors to mixed DNA stains. <i>Forensic Science International</i> , 2002, 130, 125-126.	2.2	33
35	Markov properties for mixed graphs. <i>Bernoulli</i> , 2014, 20, .	1.3	30
36	Estimating mutation rates from paternity casework. <i>Forensic Science International: Genetics</i> , 2008, 2, 9-18.	3.1	29

#	ARTICLE	IF	CITATIONS
37	Proper local scoring rules on discrete sample spaces. <i>Annals of Statistics</i> , 2012, 40, .	2.6	28
38	Clinical Assessment Of Disease Activity In Rheumatoid Arthritis. <i>Scandinavian Journal of Rheumatology</i> , 1979, 8, 101-105.	1.1	25
39	MATERNAL HLA CLASS II ALLOGENOTYPES ARE MARKERS FOR THE PREDISPOSITION TO FETAL LOSSES IN FAMILIES OF WOMEN WITH UNEXPLAINED RECURRENT FETAL LOSS. <i>International Journal of Immunogenetics</i> , 1995, 22, 323-334.	1.2	20
40	A theoretical model for blinding in cake filtration. <i>Water Environment Research</i> , 1997, 69, 168-173.	2.7	19
41	Computational aspects of DNA mixture analysis. <i>Statistics and Computing</i> , 2015, 25, 527-541.	1.5	19
42	Nonparametric Bayes inference for concave distribution functions. <i>Statistica Neerlandica</i> , 2002, 56, 110-127.	1.6	17
43	Likelihood analysis of the binary instrumental variable model. <i>Biometrika</i> , 2011, 98, 987-994.	2.4	17
44	Unifying Markov properties for graphical models. <i>Annals of Statistics</i> , 2018, 46, .	2.6	15
45	Multivariate Dispersion Models. <i>Journal of Multivariate Analysis</i> , 2000, 74, 267-281.	1.0	13
46	Inference in Graphical Gaussian Models with Edge and Vertex Symmetries with the <code>Rc</code> Package for <code>R</code> . <i>Journal of Statistical Software</i> , 2007, 23, .	3.7	12
47	Familial tendency to foetal loss analysed with Bayesian graphical models by Gibbs sampling. <i>Statistics in Medicine</i> , 2000, 19, 2147-2168.	1.6	11
48	Identifiability and estimation of recursive max-linear models. <i>Scandinavian Journal of Statistics</i> , 2021, 48, 188-211.	1.4	11
49	Techniques for Bayesian analysis in expert systems. <i>Annals of Mathematics and Artificial Intelligence</i> , 1990, 2, 353-366.	1.3	10
50	Linear estimating equations for exponential families with application to Gaussian linear concentration models. <i>Linear Algebra and Its Applications</i> , 2015, 473, 261-283.	0.9	9
51	Reproducibility of determination of right ventricular ejection fraction by radionuclide imaging: Assessment by the statistical method of variance components. <i>International Journal of Cardiovascular Imaging</i> , 1987, 2, 183-196.	0.6	8
52	3D visual data mining goals and experiences. <i>Computational Statistics and Data Analysis</i> , 2003, 43, 445-469.	1.2	8
53	Estimation of parameters in DNA mixture analysis. <i>Journal of Applied Statistics</i> , 2013, 40, 2423-2436.	1.3	8
54	Hybrid propagation in junction trees. <i>Lecture Notes in Computer Science</i> , 1995, , 85-97.	1.3	7

#	ARTICLE	IF	CITATIONS
55	The average noise from a Poisson stream of vehicles. Journal of Applied Probability, 1977, 14, 817-828.	0.7	5
56	Discussion: Latent variable graphical model selection via convex optimization. Annals of Statistics, 2012, 40, .	2.6	4
57	Estimation of means in graphical Gaussian models with symmetries. Annals of Statistics, 2012, 40, .	2.6	4
58	Conditional independence in max-linear Bayesian networks. Annals of Applied Probability, 2022, 32, .	1.3	4
59	Random orthogonal set functions and stochastic models for the gravity potential of the earth. Stochastic Processes and Their Applications, 1975, 3, 65-72.	0.9	3
60	The average noise from a Poisson stream of vehicles. Journal of Applied Probability, 1977, 14, 817-828.	0.7	3
61	Informativeness of genetic markers for forensic inference“â€“An information theoretic approach. Forensic Science International: Genetics Supplement Series, 2008, 1, 652-653.	0.3	2
62	Probabilistic Networks. , 2000, , 289-320.		2
63	A stochastic model in mobile communications. Stochastic Processes and Their Applications, 1990, 36, 165-172.	0.9	1
64	Graphical Models in Applied Multivariate Statistics.. Journal of the American Statistical Association, 1992, 87, 251.	3.1	1
65	A model company. Significance, 2004, 1, 142-144.	0.4	0
66	[Bayesian Analysis in Expert Systems]: Comment: Assessing the Science Behind Graphical Modelling Techniques. Statistical Science, 1993, 8, .	2.8	0
67	Correction: Hyper Markov Laws in the Statistical Analysis of Decomposable Graphical Models. Annals of Statistics, 1995, 23, .	2.6	0