

# Steffen Lilholt Lauritzen

## List of Publications by Year in descending order

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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	Conditional independence in max-linear Bayesian networks. <i>Annals of Applied Probability</i> , 2022, 32, .	1.3	4
2	Identifiability and estimation of recursive max-linear models. <i>Scandinavian Journal of Statistics</i> , 2021, 48, 188-211.	1.4	11
3	Unifying Markov properties for graphical models. <i>Annals of Statistics</i> , 2018, 46, .	2.6	15
4	Analysis of Forensic DNA Mixtures with Artefacts. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2015, 64, 1-48.	1.0	90
5	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
6	Computational aspects of DNA mixture analysis. <i>Statistics and Computing</i> , 2015, 25, 527-541.	1.5	19
7	Markov properties for mixed graphs. <i>Bernoulli</i> , 2014, 20, .	1.3	30
8	Estimation of parameters in DNA mixture analysis. <i>Journal of Applied Statistics</i> , 2013, 40, 2423-2436.	1.3	8
9	Proper local scoring rules on discrete sample spaces. <i>Annals of Statistics</i> , 2012, 40, .	2.6	28
10	Proper local scoring rules. <i>Annals of Statistics</i> , 2012, 40, .	2.6	65
11	Discussion: Latent variable graphical model selection via convex optimization. <i>Annals of Statistics</i> , 2012, 40, .	2.6	4
12	Estimation of means in graphical Gaussian models with symmetries. <i>Annals of Statistics</i> , 2012, 40, .	2.6	4
13	Graphical Models with R. , 2012, , .		96
14	Probabilistic expert systems for handling artifacts in complex DNA mixtures. <i>Forensic Science International: Genetics</i> , 2011, 5, 202-209.	3.1	47
15	Likelihood analysis of the binary instrumental variable model. <i>Biometrika</i> , 2011, 98, 987-994.	2.4	17
16	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
17	Estimating mutation rates from paternity casework. <i>Forensic Science International: Genetics</i> , 2008, 2, 9-18.	3.1	29
18	Informativeness of genetic markers for forensic inference – An information theoretic approach. <i>Forensic Science International: Genetics Supplement Series</i> , 2008, 1, 652-653.	0.3	2

#	ARTICLE	IF	CITATIONS
19	A gamma model for {DNA} mixture analyses. <i>Bayesian Analysis</i> , 2007, 2, 333.	3.0	51
20	Identification and separation of DNA mixtures using peak area information. <i>Forensic Science International</i> , 2007, 166, 28-34.	2.2	54
21	Inference in Graphical Gaussian Models with Edge and Vertex Symmetries with the <code>R</code> Package <code>graphicalModels</code> . <i>Journal of Statistical Software</i> , 2007, 23, .	3.7	12
22	Discussion on Causality. <i>Scandinavian Journal of Statistics</i> , 2004, 31, 189-193.	1.4	38
23	A model company. <i>Significance</i> , 2004, 1, 142-144.	0.4	0
24	3D visual data mining – goals and experiences. <i>Computational Statistics and Data Analysis</i> , 2003, 43, 445-469.	1.2	8
25	Probabilistic expert systems for DNA mixture profiling. <i>Theoretical Population Biology</i> , 2003, 63, 191-205.	1.1	97
26	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
27	Graphical Models for Genetic Analyses. <i>Statistical Science</i> , 2003, 18, 489.	2.8	108
28	Bounding the number of contributors to mixed DNA stains. <i>Forensic Science International</i> , 2002, 130, 125-126.	2.2	33
29	Nonparametric Bayes inference for concave distribution functions. <i>Statistica Neerlandica</i> , 2002, 56, 110-127.	1.6	17
30	Chain graph models and their causal interpretations. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2002, 64, 321-348.	2.2	145
31	Stable local computation with conditional Gaussian distributions. <i>Statistics and Computing</i> , 2001, 11, 191-203.	1.5	156
32	The TM algorithm for maximising a conditional likelihood function. <i>Biometrika</i> , 2001, 88, 961-972.	2.4	41
33	Representing and Solving Decision Problems with Limited Information. <i>Management Science</i> , 2001, 47, 1235-1251.	4.1	123
34	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
35	Multivariate Dispersion Models. <i>Journal of Multivariate Analysis</i> , 2000, 74, 267-281.	1.0	13
36	Probabilistic Networks. , 2000, , 289-320.		2

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37	Causal Inference from Graphical Models. Monographs on Statistics and Applied Probability, 2000, , .	0.3	40
38	A theoretical model for blinding in cake filtration. Water Environment Research, 1997, 69, 168-173.	2.7	19
39	Local computation with valuations from a commutative semigroup. Annals of Mathematics and Artificial Intelligence, 1997, 21, 51-69.	1.3	39
40	MATERNAL HLA CLASS II ALLOGENOTYPES ARE MARKERS FOR THE PREDISPOSITION TO FETAL LOSSES IN FAMILIES OF WOMEN WITH UNEXPLAINED RECURRENT FETAL LOSS. International Journal of Immunogenetics, 1995, 22, 323-334.	1.2	20
41	The EM algorithm for graphical association models with missing data. Computational Statistics and Data Analysis, 1995, 19, 191-201.	1.2	500
42	Hybrid propagation in junction trees. Lecture Notes in Computer Science, 1995, , 85-97.	1.3	7
43	Correction: Hyper Markov Laws in the Statistical Analysis of Decomposable Graphical Models. Annals of Statistics, 1995, 23, .	2.6	0
44	Bayesian Analysis in Expert Systems. Statistical Science, 1993, 8, 219.	2.8	470
45	Hyper Markov Laws in the Statistical Analysis of Decomposable Graphical Models. Annals of Statistics, 1993, 21, 1272.	2.6	312
46	[Bayesian Analysis in Expert Systems]: Comment: Assessing the Science Behind Graphical Modelling Techniques. Statistical Science, 1993, 8, .	2.8	0
47	Propagation of Probabilities, Means, and Variances in Mixed Graphical Association Models. Journal of the American Statistical Association, 1992, 87, 1098-1108.	3.1	292
48	Graphical Models in Applied Multivariate Statistics.. Journal of the American Statistical Association, 1992, 87, 251.	3.1	1
49	aHUGIN: A System Creating Adaptive Causal Probabilistic Networks. , 1992, , 223-229.		37
50	Propagation of Probabilities, Means, and Variances in Mixed Graphical Association Models. Journal of the American Statistical Association, 1992, 87, 1098.	3.1	45
51	Globally convergent algorithms for maximizing a likelihood function. Biometrika, 1991, 78, 867-877.	2.4	35
52	Techniques for Bayesian analysis in expert systems. Annals of Mathematics and Artificial Intelligence, 1990, 2, 353-366.	1.3	10
53	Independence properties of directed markov fields. Networks, 1990, 20, 491-505.	2.7	370
54	Sequential updating of conditional probabilities on directed graphical structures. Networks, 1990, 20, 579-605.	2.7	373

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55	A stochastic model in mobile communications. <i>Stochastic Processes and Their Applications</i> , 1990, 36, 165-172.	0.9	1
56	On Substantive Research Hypotheses, Conditional Independence Graphs and Graphical Chain Models. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1990, 52, 21-50.	0.7	73
57	Decomposition of maximum likelihood in mixed graphical interaction models. <i>Biometrika</i> , 1989, 76, 539-555.	2.4	65
58	Graphical Models for Associations between Variables, some of which are Qualitative and some Quantitative. <i>Annals of Statistics</i> , 1989, 17, 31.	2.6	433
59	Chapter 4: Statistical Manifolds. <i>Lecture Notes-monograph Series / Institute of Mathematical Statistics</i> , 1987, 10, 163-216.	1.0	89
60	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
61	Graphical and Recursive Models for Contingency Tables. <i>Biometrika</i> , 1983, 70, 537.	2.4	162
62	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
63	Markov Fields and Log-Linear Interaction Models for Contingency Tables. <i>Annals of Statistics</i> , 1980, 8, 522.	2.6	360
64	Clinical Assessment Of Disease Activity In Rheumatoid Arthritis. <i>Scandinavian Journal of Rheumatology</i> , 1979, 8, 101-105.	1.1	25
65	The average noise from a Poisson stream of vehicles. <i>Journal of Applied Probability</i> , 1977, 14, 817-828.	0.7	3
66	The average noise from a Poisson stream of vehicles. <i>Journal of Applied Probability</i> , 1977, 14, 817-828.	0.7	5
67	Random orthogonal set functions and stochastic models for the gravity potential of the earth. <i>Stochastic Processes and Their Applications</i> , 1975, 3, 65-72.	0.9	3