Lasse HolmstrÃ¶m

List of Publications by Year
in descending order

50 papers	1,066 citations	430874 18 h-index	434195 31 g-index
50 all docs	50 docs citations	50 times ranked	1199 citing authors

#	Article	IF	Citations
1	A Quantitative Holocene Climatic Record from Diatoms in Northern Fennoscandia. Quaternary Research, 2000, 54, 284-294.	1.7	177
2	Pollen-based climate reconstruction techniques for late Quaternary studies. Earth-Science Reviews, 2020, 210, 103384.	9.1	123
3	Temperature patterns over the past eight centuries in Northern Fennoscandia inferred from sedimentary diatoms. Quaternary Research, 2006, 66, 78-86.	1.7	70
4	Bayesian Multiscale Smoothing for Making Inferences About Features in Scatterplots. Journal of Computational and Graphical Statistics, 2005, 14, 569-589.	1.7	57
5	Comparing different calibration methods (WA/WA-PLS regression and Bayesian modelling) and different-sized calibration sets in pollen-based quantitative climate reconstruction. Holocene, 2012, 22, 413-424.	1.7	39
6	Piecewise quadric blending of implicitly defined surfaces. Computer Aided Geometric Design, 1987, 4, 171-189.	1.2	37
7	The course of positional cranial deformation from 3 to 12Âmonths of age and associated risk factors: a follow-up with 3D imaging. European Journal of Pediatrics, 2016, 175, 1893-1903.	2.7	31
8	Accuracy of measurements used to quantify cranial asymmetry inÂdeformational plagiocephaly. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1349-1356.	1.7	27
9	Multiscale variation in drought controlled historical forest fire activity in the boreal forests of eastern Fennoscandia. Ecological Monographs, 2018, 88, 74-91.	5.4	25
10	A new multivariate technique for top quark search. Computer Physics Communications, 1995, 88, 195-210.	7.5	24
11	Integrating fire-scar, charcoal and fungal spore data to study fire events in the boreal forest of northern Europe. Holocene, 2019, 29, 1480-1490.	1.7	24
12	Bayesian analysis of features in a scatter plot with dependent observations and errors in predictors. Journal of Statistical Computation and Simulation, 2007, 77, 421-431.	1.2	23
13	The Accuracy and the Computational Complexity of a Multivariate Binned Kernel Density Estimator. Journal of Multivariate Analysis, 2000, 72, 264-309.	1.0	22
14	Oceanic and atmospheric modes in the Pacific and Atlantic Oceans since the Little Ice Age (LIA): Towards a synthesis. Quaternary Science Reviews, 2019, 215, 293-307.	3.0	21
15	Asymptotic bounds for the expected L1 error of a multivariate kernel density estimator. Journal of Multivariate Analysis, 1992, 42, 245-266.	1.0	20
16	Scale space multiresolution analysis of random signals. Computational Statistics and Data Analysis, 2011, 55, 2840-2855.	1.2	20
17	East Asian summer monsoon precipitation variations in China over the last 9500â€‰years: A comparison of pollen-based reconstructions and model simulations. Holocene, 2016, 26, 592-602.	1.7	20
18	Scale space methods. Wiley Interdisciplinary Reviews: Computational Statistics, 2010, 2, 150-159.	3.9	19

#	Article	IF	Citations
19	Bayesian LASSO, Scale Space and Decision Making in Association Genetics. PLoS ONE, 2015, 10, e0120017.	2.5	19
20	A Bayesian spatiotemporal model for reconstructing climate from multiple pollen records. Annals of Applied Statistics, 2015, 9, .	1.1	17
21	Comparing Facial 3D Analysis With DNA Testing to Determine Zygosities of Twins. Twin Research and Human Genetics, 2015, 18, 306-313.	0.6	17
22	Selection of prior distributions and multiscale analysis in Bayesian temperature reconstructions based on fossil assemblages. Journal of Paleolimnology, 2006, 36, 69-80.	1.6	16
23	Statistical Scale Space Methods. International Statistical Review, 2017, 85, 1-30.	1.9	16
24	At What Scales and Why Does Forest Structure Vary in Naturally Dynamic Boreal Forests? An Analysis of Forest Landscapes on Two Continents. Ecosystems, 2019, 22, 709-724.	3.4	16
25	Spatial and temporal patterns of Holocene precipitation change in the Iberian Peninsula. Boreas, 2022, 51, 776-792.	2.4	16
26	A scale space multiresolution method for extraction of time series features. Stat, 2013, 2, 273-291.	0.4	15
27	Bayesian Scale Space Analysis of Differences in Images. Technometrics, 2012, 54, 16-29.	1.9	14
28	The structure of boreal old-growth forests changes at multiple spatial scales over decades. Landscape Ecology, 2020, 35, 843-858.	4.2	14
29	BSiZer. Wiley Interdisciplinary Reviews: Computational Statistics, 2010, 2, 526-534.	3.9	13
30	Analyzing infant head flatness and asymmetry using kernel density estimation of directional surface data from a craniofacial 3D model. Statistics in Medicine, 2016, 35, 4891-4904.	1.6	13
31	Making inferences about past environmental change using smoothing in multiple time scales. Computational Statistics and Data Analysis, 2002, 41, 289-309.	1.2	12
32	A note on estimating the posterior density of a quantitative trait locus from a Markov chain Monte Carlo sample. Genetic Epidemiology, 2002, 22, 369-376.	1.3	9
33	Posterior singular spectrum analysis. Statistical Analysis and Data Mining, 2013, 6, 387-402.	2.8	9
34	Bayesian scale space analysis of temporal changes in satellite images. Journal of Applied Statistics, 2015, 42, 50-70.	1.3	9
35	A Bayesian multinomial regression model for palaeoclimate reconstruction with time uncertainty. Environmetrics, 2016, 27, 409-422.	1.4	9
36	Scale space multiresolution correlation analysis for time series data. Computational Statistics, 2017, 32, 197-218.	1.5	9

#	ARTICLE	IF	CITATIONS
37	Finding a consensus on credible features among several paleoclimate reconstructions. Annals of Applied Statistics, 2012, 6, .	1.1	6
38	A scale space approach for exploring structure in spherical data. Computational Statistics and Data Analysis, 2018, 125, 57-69.	1.2	6
39	Time-varying relationships among oceanic and atmospheric modes: A turning point at around 1940. Quaternary International, 2018, 487, 12-25.	1.5	6
40	A scale space approach for estimating the characteristic feature sizes in hierarchical signals. Stat, 2018, 7, e195.	0.4	6
41	Extraction of sea temperature in the Barents Sea by a scale space multiresolution method â€" prospects for Atlantic salmon. Journal of Applied Statistics, 2017, 44, 2317-2336.	1.3	5
42	Multivariate Discrimination Methods for Top Quark Analysis. Technometrics, 1997, 39, 91-99.	1.9	3
43	Multivariate posterior singular spectrum analysis. Statistical Methods and Applications, 2017, 26, 361-382.	1.2	3
44	Estimation of level set trees using adaptive partitions. Computational Statistics, 2017, 32, 1139-1163.	1.5	3
45	On the estimation error in binned local linear regression. Journal of Nonparametric Statistics, 2003, 15, 625-642.	0.9	2
46	Discussion of: A statistical analysis of multiple temperature proxies: Are reconstructions of surface temperatures over the last 1000 years reliable?. Annals of Applied Statistics, 2011, 5, .	1.1	2
47	Ray Tracing of Boundary Models with Implicit Blend Surfaces. , 1989, , 253-271.		2
48	Bayesian scale space analysis of images. , 2013, , .		0
49	Modeling probability density through ultraspherical polynomial transformations. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 5879-5900.	1.2	0
50	Early Detection of Change by Applying Scale-Space Methodology to Hyperspectral Images. Applied Sciences (Switzerland), 2020, 10, 2298.	2.5	0