

# Georg Lindgren

## List of Publications by Year in descending order

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56  
papers

3,478  
citations

430754

18  
h-index

175177

52  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremes and Related Properties of Random Sequences and Processes. Springer Series in Statistics, 1983, . .	0.9	2,051
2	Test-Retest Variability in Glaucomatous Visual Fields. American Journal of Ophthalmology, 1989, 108, 130-135.	1.7	383
3	Statistical evaluation of cell kinetic data from DNA flow cytometry (FCM) by the EM algorithm. Cytometry, 1989, 10, 695-705.	1.8	95
4	Perimetric probability maps to separate change caused by glaucoma from that caused by cataract. Acta Ophthalmologica, 1997, 75, 184-188.	0.4	83
5	Local maxima of Gaussian fields. Arkiv for Matematik, 1972, 10, 195-218.	0.2	77
6	Wave characteristic distributions for Gaussian waves—Wave-length, amplitude and steepness. Ocean Engineering, 1982, 9, 411-432.	1.9	65
7	Extreme values and crossings for the $X_2$ -Process and Other Functions of Multidimensional Gaussian Processes, by Reliability Applications. Advances in Applied Probability, 1980, 12, 746-774.	0.4	63
8	RECURSIVE ESTIMATION IN SWITCHING AUTOREGRESSIONS WITH A MARKOV REGIME. Journal of Time Series Analysis, 1994, 15, 489-506.	0.7	56
9	Slepian Models and Regression Approximations in Crossing and Extreme Value Theory. International Statistical Review, 1991, 59, 195.	1.1	54
10	Spectral moment estimation by means of level crossings. Biometrika, 1974, 61, 401-418.	1.3	43
11	Wave-length and amplitude in Gaussian noise. Advances in Applied Probability, 1972, 4, 81-108.	0.4	38
12	Slepian models for $X_2$ -processes with dependent components with application to envelope upcrossings. Journal of Applied Probability, 1989, 26, 36-49.	0.4	31
13	Optimal Prediction of Level Crossings in Gaussian Processes and Sequences. Annals of Probability, 1985, 13, 804.	0.8	29
14	Point processes of exits by bivariate Gaussian processes and extremal theory for the $\tilde{X}_2$ -process and its concomitants. Journal of Multivariate Analysis, 1980, 10, 181-206.	0.5	26
15	How Reliable Are Contour Curves? Confidence Sets for Level Contours. Bernoulli, 1995, 1, 301.	0.7	21
16	Height distribution of stochastic Lagrange ocean waves. Probabilistic Engineering Mechanics, 2008, 23, 359-363.	1.3	20
17	Extremal ranks and transformation of variables for extremes of functions of multivariate Gaussian processes. Stochastic Processes and Their Applications, 1984, 17, 285-312.	0.4	19
18	Slepian models for the stochastic shape of individual Lagrange sea waves. Advances in Applied Probability, 2006, 38, 430-450.	0.4	18

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19	Extreme values of stationary normal processes. Zeitschrift für Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1971, 17, 39-47.	0.8	17
20	CROSSREG – A Technique for First Passage and Wave Density Analysis. Probability in the Engineering and Informational Sciences, 1993, 7, 125-148.	0.6	17
21	Slepian models for the stochastic shape of individual Lagrange sea waves. Advances in Applied Probability, 2006, 38, 430-450.	0.4	17
22	Wave-length and amplitude in Gaussian noise. Advances in Applied Probability, 1972, 4, 81-108.	0.4	16
23	First Order Stochastic Lagrange Model for Asymmetric Ocean Waves. Journal of Offshore Mechanics and Arctic Engineering, 2009, 131, .	0.6	16
24	Functional limits of empirical distributions in crossing theory. Stochastic Processes and Their Applications, 1977, 5, 143-149.	0.4	15
25	Wave-length and amplitude for a stationary Gaussian process after a high maximum. Zeitschrift für Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1972, 23, 293-326.	0.8	13
26	Prediction of level crossings for normal processes containing deterministic components. Advances in Applied Probability, 1979, 11, 93-117.	0.4	13
27	Exact asymmetric slope distributions in stochastic Gauss-Lagrange ocean waves. Applied Ocean Research, 2009, 31, 65-73.	1.8	13
28	Weak Convergence of High Level Crossings and Maxima for One or More Gaussian Processes. Annals of Probability, 1975, 3, .	0.8	13
29	A Note on the Asymptotic Independence of High Level Crossings for Dependent Gaussian Processes. Annals of Probability, 1974, 2, .	0.8	13
30	Stochastic Asymmetry Properties of 3D Gauss-Lagrange Ocean Waves with Directional Spreading. Stochastic Models, 2011, 27, 490-520.	0.3	12
31	Preeruptive effect of NaF tablets on caries in children from 12 to 17 years of age. Community Dentistry and Oral Epidemiology, 1986, 14, 1-4.	0.9	11
32	Markov based correlations of damage cycles in Gaussian and non-Gaussian loads. Probabilistic Engineering Mechanics, 1995, 10, 103-115.	1.3	11
33	Cycle Range Distributions for Gaussian Processes Exact and Approximative Results. Extremes, 2004, 7, 69-89.	0.5	11
34	Slepian models for X <sup>2</sup> -processes with dependent components with application to envelope upcrossings. Journal of Applied Probability, 1989, 26, 36-49.	0.4	10
35	Frequency estimation from crossings of an unknown level. Biometrika, 1980, 67, 65-72.	1.3	8
36	Model for the study of the preeruptive effect of NaF tablets on caries in permanent teeth. Community Dentistry and Oral Epidemiology, 1985, 13, 86-92.	0.9	8

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37	ALARM CHARACTERISTICS FOR A FLOOD WARNING SYSTEM WITH DETERMINISTIC COMPONENTS. Journal of Time Series Analysis, 1990, 11, 1-18.	0.7	8
38	Discrete wave-analysis of continuous stochastic processes. Stochastic Processes and Their Applications, 1973, 1, 83-105.	0.4	7
39	On weighted visual field indices. Graefe's Archive for Clinical and Experimental Ophthalmology, 1992, 230, 397-398.	1.0	7
40	Karl Pearson and the Scandinavian School of Statistics. International Statistical Review, 2009, 77, 64-71.	1.1	7
41	A note on the extremal properties of the morison equation. Ocean Engineering, 1984, 11, 543-548.	1.9	6
42	Gaussian Integrals and Rice Series in Crossing Distributions to Compute the Distribution of Maxima and Other Features of Gaussian Processes. Statistical Science, 2019, 34, .	1.6	6
43	Spectral Moment Estimation by Means of Level Crossings. Biometrika, 1974, 61, 401.	1.3	5
44	Wave analysis by Slepian models. Probabilistic Engineering Mechanics, 2000, 15, 49-57.	1.3	5
45	TRANSFER-FUNCTION APPROXIMATIONS OF THE RAINFLOW FILTER. Mechanical Systems and Signal Processing, 2002, 16, 979-989.	4.4	5
46	Level Crossing Prediction with Neural Networks. Methodology and Computing in Applied Probability, 2010, 12, 623-645.	0.7	5
47	A detailed statistical representation of the local structure of optical vortices in random wavefields. Journal of Optics (United Kingdom), 2012, 14, 035704.	1.0	3
48	Test-Retest Variability in Glaucomatous Visual Fields: Reply. American Journal of Ophthalmology, 1990, 109, 110-111.	1.7	2
49	Horseshoe-like patterns in first-order 3D random Gauss-Lagrange waves with directional spreading. Waves in Random and Complex Media, 2015, 25, 729-745.	1.6	2
50	Frequency Properties of the Rainflow Filter Some Examples in Oceanography. , 2002, , 357.		1
51	Why Distinguish Between Statistics and Mathematical Statistics The Case of Swedish Academia. International Statistical Review, 2019, 87, 110-126.	1.1	1
52	Wave asymmetry and particle orbits in irregular wave models. Journal of Fluid Mechanics, 2020, 905, .	1.4	1
53	The relation between wave asymmetry and particle orbits analysed by Slepian models. Journal of Fluid Mechanics, 2021, 924, .	1.4	1
54	Prediction of level crossings for processes containing non-ergodic components. Advances in Applied Probability, 1978, 10, 290-291.	0.4	0

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55	Clicks in Zero-Crossing-Detecting FM Receivers: Theory and Experiments. Probability in the Engineering and Informational Sciences, 1994, 8, 265-285.	0.6	0
56	The Use of Slepian Model Processes in Crossing and Extreme Value Theory. , 1985, , 53-58.		0