

# Martin Schlather

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11093852/publications.pdf>

Version: 2024-02-01

56  
papers

2,566  
citations

331670

21  
h-index

197818

49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2045  
citing authors

#	ARTICLE	IF	CITATIONS
1	MoBPS - Modular Breeding Program Simulator. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1915-1918.	1.8	49
2	A generalization of Matérn hard-core processes with applications to max-stable processes. <i>Journal of Applied Probability</i> , 2020, 57, 1298-1312.	0.7	0
3	HaploBlocker: Creation of Subgroup-Specific Haplotype Blocks and Libraries. <i>Genetics</i> , 2019, 212, 1045-1061.	2.9	33
4	Sampling sup $\alpha$ -normalized spectral functions for Brown $\alpha$ -Resnick processes. <i>Stat</i> , 2019, 8, e228.	0.4	1
5	Best Prediction of the Additive Genomic Variance in Random-Effects Models. <i>Genetics</i> , 2019, 213, 379-394.	2.9	8
6	Exact and fast simulation of max-stable processes on a compact set using the normalized spectral representation. <i>Bernoulli</i> , 2018, 24, .	1.3	16
7	Fast and exact simulation of univariate and bivariate Gaussian random fields. <i>Stat</i> , 2018, 7, e188.	0.4	3
8	A parametric model bridging between bounded and unbounded variograms. <i>Stat</i> , 2017, 6, 47-52.	0.4	4
9	The realization problem for tail correlation functions. <i>Extremes</i> , 2017, 20, 121-168.	1.0	6
10	Statistical post-processing of forecasts for extremes using bivariate brown-resnick processes with an application to wind gusts. <i>Extremes</i> , 2017, 20, 309-332.	1.0	33
11	A Matérn-Based Multivariate Gaussian Random Process for a Consistent Model of the Horizontal Wind Components and Related Variables. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 3833-3845.	1.7	6
12	A Model for Carrier-Mediated Biological Signal Transduction Based on Equilibrium Ligand Binding Theory. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 1039-1057.	1.9	2
13	Intrinsically weighted means and non-ergodic marked point processes. <i>Annals of the Institute of Statistical Mathematics</i> , 2016, 68, 1-24.	0.8	9
14	An exceptional max-stable process fully parameterized by its extremal coefficients. <i>Bernoulli</i> , 2015, 21, .	1.3	15
15	Accounting for Genetic Architecture Improves Sequence Based Genomic Prediction for a <i>Drosophila</i> Fitness Trait. <i>PLoS ONE</i> , 2015, 10, e0126880.	2.5	50
16	A Scale-Corrected Comparison of Linkage Disequilibrium Levels between Genic and Non-Genic Regions. <i>PLoS ONE</i> , 2015, 10, e0141216.	2.5	9
17	Joint extremal behavior of hidden and observable time series with applications to GARCH processes. <i>Extremes</i> , 2015, 18, 109-140.	1.0	5
18	Tail correlation functions of max-stable processes. <i>Extremes</i> , 2015, 18, 241-271.	1.0	16

#	ARTICLE	IF	CITATIONS
19	Estimation of $\frac{1}{4}$ -sler $\hat{c}$ Reiss Distributions and Brown $\hat{c}$ Resnick Processes. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2015, 77, 239-265.	2.2	73
20	Analysis, Simulation and Prediction of Multivariate Random Fields with Package <code>RandomFields</code> . Journal of Statistical Software, 2015, 63, .	3.7	132
21	Marked point process adjusted tail dependence analysis for high-frequency financial data. Statistics and Its Interface, 2015, 8, 109-122.	0.3	3
22	Statistical Inference for Max-Stable Processes by Conditioning on Extreme Events. Advances in Applied Probability, 2014, 46, 478-495.	0.7	7
23	A derivation of the Grand Canonical Partition Function for systems with a finite number of binding sites using a Markov chain model for the dynamics of single molecules. Journal of Mathematical Chemistry, 2014, 52, 665-674.	1.5	4
24	Conditional sampling for max-stable processes with a mixed moving maxima representation. Extremes, 2014, 17, 157-192.	1.0	10
25	Statistical Inference for Max-Stable Processes by Conditioning on Extreme Events. Advances in Applied Probability, 2014, 46, 478-495.	0.7	5
26	Origin Detection During Food-borne Disease Outbreaks - A Case Study of the 2011 EHEC/HUS Outbreak in Germany. PLOS Currents, 2014, 6, .	1.4	29
27	On the interaction of two different types of ligands binding to the same molecule part I: basics and the transfer of the decoupled sites representation to systems with $n$ and one binding sites. Journal of Mathematical Chemistry, 2013, 51, 672-695.	1.5	4
28	On the interaction of different types of ligands binding to the same molecule Part II: systems with $n$ to 2 and $n$ to 3 binding sites. Journal of Mathematical Chemistry, 2013, 51, 696-714.	1.5	5
29	A Network-Based Kernel Machine Test for the Identification of Risk Pathways in Genome-Wide Association Studies. Human Heredity, 2013, 76, 64-75.	0.8	25
30	Using Whole-Genome Sequence Data to Predict Quantitative Trait Phenotypes in <i>Drosophila melanogaster</i> . PLoS Genetics, 2012, 8, e1002685.	3.5	191
31	A Novel Kernel for Correcting Size Bias in the Logistic Kernel Machine Test with an Application to Rheumatoid Arthritis. Human Heredity, 2012, 74, 97-108.	0.8	7
32	Covariance Models for Divergence-Free and Curl-Free Random Vector Fields. Stochastic Models, 2012, 28, 433-451.	0.5	14
33	Simulation of Brown $\hat{c}$ Resnick processes. Extremes, 2012, 15, 89-107.	1.0	50
34	Construction of Covariance Functions and Unconditional Simulation of Random Fields. Lecture Notes in Statistics, 2012, , 25-54.	0.2	18
35	Predicting Genetic Values: A Kernel-Based Best Linear Unbiased Prediction With Genomic Data. Genetics, 2011, 188, 695-708.	2.9	45
36	Some covariance models based on normal scale mixtures. Bernoulli, 2010, 16, .	1.3	55

#	ARTICLE	IF	CITATIONS
37	High-level dependence in time series models. <i>Extremes</i> , 2010, 13, 1-33.	1.0	18
38	Ergodic properties of max-infinitely divisible processes. <i>Stochastic Processes and Their Applications</i> , 2010, 120, 281-295.	0.9	39
39	Matérn Cross-Covariance Functions for Multivariate Random Fields. <i>Journal of the American Statistical Association</i> , 2010, 105, 1167-1177.	3.1	302
40	Stationary max-stable fields associated to negative definite functions. <i>Annals of Probability</i> , 2009, 37, .	1.8	263
41	Capturing the multivariate extremal index: bounds and interconnections. <i>Extremes</i> , 2008, 11, 353-377.	1.0	5
42	Fast and Exact Simulation of Large Gaussian Lattice Systems in $\mathbb{R}^2$ : Exploring the Limits. <i>Journal of Computational and Graphical Statistics</i> , 2006, 15, 483-501.	1.7	53
43	Local approximation of variograms by covariance functions. <i>Statistics and Probability Letters</i> , 2006, 76, 1303-1304.	0.7	2
44	A risk index for characterising flow pattern in soils using dye tracer distributions. <i>Journal of Contaminant Hydrology</i> , 2005, 79, 25-44.	3.3	11
45	A stochastic model for 3-dimensional flow patterns in infiltration experiments. <i>Journal of Hydrology</i> , 2005, 310, 17-27.	5.4	9
46	Detecting dependence between marks and locations of marked point processes. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2004, 66, 79-93.	2.2	95
47	Stochastic Models That Separate Fractal Dimension and the Hurst Effect. <i>SIAM Review</i> , 2004, 46, 269-282.	9.5	345
48	Inequalities for the Extremal Coefficients of Multivariate Extreme Value Distributions. <i>Extremes</i> , 2002, 5, 87-102.	1.0	37
49	Models for Stationary Max-Stable Random Fields. <i>Extremes</i> , 2002, 5, 33-44.	1.0	292
50	On the Second-Order Characteristics of Marked Point Processes. <i>Bernoulli</i> , 2001, 7, 99.	1.3	44
51	Limit Distributions Of Norms Of Vectors Of Positive I.I.D. Random Variables. <i>Annals of Probability</i> , 2001, 29, 862.	1.8	14
52	Analogies and correspondences between variograms and covariance functions. <i>Advances in Applied Probability</i> , 2001, 33, 617-630.	0.7	10
53	Analogies and correspondences between variograms and covariance functions. <i>Advances in Applied Probability</i> , 2001, 33, 617-630.	0.7	45
54	On a Class of Models of Stochastic Geometry Constructed by Random Measures. <i>Mathematische Nachrichten</i> , 2000, 213, 141-154.	0.8	2

#	ARTICLE	IF	CITATIONS
55	A Formula for the Edge Length Distribution Function of the Poisson Voronoi Tessellation. Mathematische Nachrichten, 2000, 214, 113-119.	0.8	6
56	Random Sequential Adsorption: Relationship to Dead Leaves and Characterization of Variability. Journal of Statistical Physics, 2000, 100, 969-979.	1.2	27