

# Rodrigo MartÃ- nez Quintana

## List of Publications by Year in descending order

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38  
papers

238  
citations

933447

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h-index

1058476

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38  
all docs

38  
docs citations

38  
times ranked

106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian Inference in Y-Linked Two-Sex Branching Processes with Mutations: ABC Approach. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 525-538.	3.0	2
2	Limiting Genotype Frequencies of Y-Linked Genes with a Mutant Allele in a Two-Sex Population. Mathematics, 2021, 9, 131.	2.2	0
3	Predictive Model of Nail Consistency Using Scanning Electron Microscopy with Energy-Dispersive X-Ray. Biology, 2021, 10, 53.	2.8	3
4	Modeling Y-Linked Pedigrees through Branching Processes. Mathematics, 2020, 8, 256.	2.2	0
5	Approximate Bayesian computation in controlled branching processes: the role of summary statistics. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	3
6	Importance of Sock Type in the Development of Foot Lesions on Low-Difficulty, Short Hikes. International Journal of Environmental Research and Public Health, 2019, 16, 1871.	2.6	3
7	Non-parametric Bayesian inference through MCMC method for Y-linked two-sex branching processes with blind choice. Journal of Statistical Computation and Simulation, 2018, 88, 3565-3587.	1.2	3
8	Bayesian Analysis for Controlled Branching Processes. Lecture Notes in Statistics, 2016, , 185-205.	0.2	4
9	Total Progeny of Crump-Mode-Jagers Branching Processes: An Application to Vaccination in Epidemic Modelling. Lecture Notes in Statistics, 2016, , 257-267.	0.2	1
10	Extinction Probability of Some Recessive Alleles of X-Linked Genes in the Context of Two-Sex Branching Processes. Lecture Notes in Statistics, 2016, , 287-305.	0.2	0
11	Normal Values of the Foot Posture Index in a Young Adult Spanish Population. Journal of the American Podiatric Medical Association, 2015, 105, 42-46.	0.3	19
12	Stochastic monotonicity and continuity properties of functions defined on Crump-Mode-Jagers branching processes, with application to vaccination in epidemic modelling. Bernoulli, 2014, 20, .	1.3	4
13	Bayesian inference for controlled branching processes through MCMC and ABC methodologies. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2013, 107, 459-473.	1.2	10
14	Parametric Bayesian inference for Y-linked two-sex branching models. Statistics and Computing, 2013, 23, 727-741.	1.5	8
15	The Foot Posture Index. Journal of the American Podiatric Medical Association, 2013, 103, 400-404.	0.3	15
16	Expectation-Maximization Algorithm for Determining Natural Selection of Y-Linked Genes Through Two-Sex Branching Processes. Journal of Computational Biology, 2012, 19, 1015-1026.	1.6	9
17	Extinction conditions for Y-linked mutant-alleles through two-sex branching processes with blind-mating structure. Journal of Theoretical Biology, 2012, 307, 104-116.	1.7	6
18	Limiting genotype frequencies of Y-linked genes through bisexual branching processes with blind choice. Journal of Theoretical Biology, 2011, 275, 42-51.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Stochastic Monotonicity and Continuity Properties of the Extinction Time of Bellman-Harris Branching Processes: An Application to Epidemic Modelling. <i>Journal of Applied Probability</i> , 2010, 47, 58-71.	0.7	4
20	Stochastic Monotonicity and Continuity Properties of the Extinction Time of Bellman-Harris Branching Processes: An Application to Epidemic Modelling. <i>Journal of Applied Probability</i> , 2010, 47, 58-71.	0.7	6
21	Age-Dependent Branching Processes for Surveillance of Vaccine-Preventable Diseases with Incubation Period. <i>Frontiers in Psychiatry</i> , 2010, 1, 127.	2.6	0
22	Parametric inference for Y-linked gene branching models: Expectation-maximization method. <i>Lecture Notes in Statistics</i> , 2010, , 191-204.	0.2	5
23	Time to extinction of infectious diseases through age-dependent branching models. <i>Lecture Notes in Statistics</i> , 2010, , 241-256.	0.2	3
24	Bisexual branching processes to model extinction conditions for Y-linked genes. <i>Journal of Theoretical Biology</i> , 2009, 258, 478-488.	1.7	13
25	On asymptotic posterior normality for controlled branching processes. <i>Statistics</i> , 2009, 43, 367-378.	0.6	6
26	Non-parametric Bayesian estimation for multitype branching processes through simulation-based methods. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 1281-1291.	1.2	14
27	Bisexual branching processes in a genetic context: Rates of growth for Y-linked genes. <i>Mathematical Biosciences</i> , 2008, 215, 167-176.	1.9	11
28	On L <sup>2</sup> -Convergence in a Class of Homogeneous Multitype Markov Chains. <i>Stochastic Models</i> , 2008, 24, 401-424.	0.5	1
29	Estimation of the offspring mean in a controlled branching process with a random control function. <i>Stochastic Processes and Their Applications</i> , 2007, 117, 928-946.	0.9	14
30	Bisexual branching processes in a genetic context: The extinction problem for Y-linked genes. <i>Mathematical Biosciences</i> , 2006, 202, 227-247.	1.9	17
31	Multitype Population-Size-Dependent Branching Process with Dependent Offspring. <i>Journal of Mathematical Sciences</i> , 2006, 132, 610-613.	0.4	0
32	Rates of Growth in a Class of Homogeneous Multidimensional Markov Chains. <i>Journal of Applied Probability</i> , 2006, 43, 159-174.	0.7	2
33	Estimation of the variance for a controlled branching process. <i>Test</i> , 2005, 14, 199-213.	1.1	10
34	On the unlimited growth of a class of homogeneous multitype Markov chains. <i>Bernoulli</i> , 2005, 11, 559.	1.3	12
35	Population Size Dependent Generalized Multitype Branching Processes. <i>Stochastic Analysis and Applications</i> , 2005, 23, 1179-1197.	1.5	0
36	On the geometric growth in a class of homogeneous multitype Markov chain. <i>Journal of Applied Probability</i> , 2005, 42, 1015-1030.	0.7	4

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37	Nonparametric estimation of the offspring distribution and the mean for a controlled branching process. <i>Test</i> , 2004, 13, 465-479.	1.1	13
38	Multitype population size-dependent branching processes with dependent offspring. <i>Statistics and Probability Letters</i> , 2004, 70, 145-154.	0.7	4