

# Carlos A Braumann

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

840  
citations

759233

12  
h-index

501196

28  
g-index

44  
all docs

44  
docs citations

44  
times ranked

509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance Tests for Coefficients of Variation and Variability Profiles. <i>Systematic Zoology</i> , 1980, 29, 50.	1.6	243
2	Significance Tests for Coefficients of Variation and Variability Profiles. <i>Systematic Biology</i> , 1980, 29, 50-66.	5.6	86
3	Random differential operational calculus: Theory and applications. <i>Computers and Mathematics With Applications</i> , 2010, 59, 115-125.	2.7	72
4	Variable effort harvesting models in random environments: generalization to density-dependent noise intensities. <i>Mathematical Biosciences</i> , 2002, 177-178, 229-245.	1.9	70
5	It $\tilde{A}$ ' versus Stratonovich calculus in random population growth. <i>Mathematical Biosciences</i> , 2007, 206, 81-107.	1.9	52
6	On the computation of option prices and Greeks under the CEV model. <i>Quantitative Finance</i> , 2013, 13, 907-917.	1.7	38
7	Growth and extinction of populations in randomly varying environments. <i>Computers and Mathematics With Applications</i> , 2008, 56, 631-644.	2.7	35
8	Variable effort fishing models in random environments. <i>Mathematical Biosciences</i> , 1999, 156, 1-19.	1.9	26
9	Fisheries management in random environments: Comparison of harvesting policies for the logistic model. <i>Fisheries Research</i> , 2017, 195, 238-246.	1.7	24
10	Population growth in random environments. <i>Bulletin of Mathematical Biology</i> , 1983, 45, 635-641.	1.9	20
11	General population growth models with Allee effects in a random environment. <i>Ecological Complexity</i> , 2017, 30, 26-33.	2.9	17
12	Harvesting in a random environment: It $\tilde{A}$ ' or Stratonovich calculus?. <i>Journal of Theoretical Biology</i> , 2007, 244, 424-432.	1.7	13
13	Multilocus population genetics: Relative importance of selection and recombination. <i>Theoretical Population Biology</i> , 1980, 17, 298-320.	1.1	11
14	Multiphasic Individual Growth Models in Random Environments. <i>Methodology and Computing in Applied Probability</i> , 2012, 14, 49-56.	1.2	11
15	Modelling animal growth in random environments: An application using nonparametric estimation. <i>Biometrical Journal</i> , 2010, 52, 653-666.	1.0	10
16	On the random gamma function: Theory and computing. <i>Journal of Computational and Applied Mathematics</i> , 2018, 335, 142-155.	2.0	9
17	THRESHOLD CROSSING PROBABILITIES FOR POPULATION GROWTH MODELS IN RANDOM ENVIRONMENTS. <i>Journal of Biological Systems</i> , 1995, 03, 505-517.	1.4	8
18	Fisheries management in randomly varying environments: Comparison of constant, variable and penalized efforts policies for the Gompertz model. <i>Fisheries Research</i> , 2019, 216, 196-203.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Stochastic differential equations harvesting policies: Allee effects, logistic-like growth and profit optimization. <i>Applied Stochastic Models in Business and Industry</i> , 2020, 36, 825-835.	1.5	7
20	Environmental versus demographic stochasticity in population growth. <i>Lecture Notes in Statistics</i> , 2010, , 37-52.	0.2	5
21	CONSTANT EFFORT AND CONSTANT QUOTA FISHING POLICIES WITH CUT-OFFS IN A RANDOM ENVIRONMENT. <i>Natural Resource Modelling</i> , 2001, 14, 199-232.	2.0	4
22	Profit optimization for cattle growing in a randomly fluctuating environment. <i>Optimization</i> , 2015, 64, 1393-1407.	1.7	4
23	Models of Individual Growth in a Random Environment: Study and Application of First Passage Times. <i>Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies</i> , 2013, , 103-111.	0.2	4
24	Profit Optimization of Cattle Growth with Variable Prices. <i>Methodology and Computing in Applied Probability</i> , 2022, 24, 1917-1952.	1.2	4
25	Modeling Human Population Death Rates: A Bi-Dimensional Stochastic Gompertz Model with Correlated Wiener Processes. , 2014, , 95-103.		3
26	Harvesting in a Random Varying Environment: Optimal, Stepwise and Sustainable Policies for the Gompertz Model. <i>Statistics, Optimization and Information Computing</i> , 2019, 7, .	0.7	3
27	Harvesting Policies with Stepwise Effort and Logistic Growth in a Random Environment. <i>SEMA SIMAI Springer Series</i> , 2020, , 95-110.	0.7	3
28	Consequences of an Incorrect Model Specification on Population Growth. <i>Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies</i> , 2014, , 105-113.	0.2	2
29	Profit optimization of stochastically fluctuating populations under harvesting: the effects of Allee effects. <i>Optimization</i> , 2022, 71, 3277-3293.	1.7	2
30	Harvesting optimization with stochastic differential equations models: is the optimal enemy of the good?. <i>Stochastic Models</i> , 0, , 1-19.	0.5	2
31	Weighted maximum likelihood estimation for individual growth models. <i>Optimization</i> , 2022, 71, 3295-3311.	1.7	2
32	Valuation of Bond Options Under the CIR Model: Some Computational Remarks. <i>Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies</i> , 2014, , 125-133.	0.2	1
33	Estimating Parameters and Extinction Probabilities in Population Stochastic Differential Equation Models. , 1988, , 133-143.		1
34	Likelihood Function through the Delta Approximation in Mixed SDE Models. <i>Mathematics</i> , 2022, 10, 385.	2.2	1
35	Pricing and hedging bond options and sinking-fund bonds under the CIR model. <i>Quantitative Finance and Economics</i> , 2022, 6, 1-34.	3.1	1
36	Preface special issue "dynamics in bio-systems" (DSABNS 2016). <i>Ecological Complexity</i> , 2017, 30, 1.	2.9	0

#	ARTICLE	IF	CITATIONS
37	A Note on (Dis)Investment Options and Perpetuities Under CIR Interest Rates. , 2013, , 203-211.		0
38	Moments and probability density of threshold crossing times for populations in random environments under sustainable harvesting policies. Computational Statistics, 0, , .	1.5	0