Carlos A Braumann

List of Publications by Year
in descending order

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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	Profit Optimization of Cattle Growth with Variable Prices. Methodology and Computing in Applied Probability, 2022, 24, 1917-1952.	1.2	4
2	Profit optimization of stochastically fluctuating populations under harvesting: the effects of Allee effects. Optimization, 2022, 71, 3277-3293.	1.7	2
3	Likelihood Function through the Delta Approximation in Mixed SDE Models. Mathematics, 2022, 10, 385.	2.2	1
4	Pricing and hedging bond options and sinking-fund bonds under the CIR model. Quantitative Finance and Economics, 2022, 6, 1-34.	3.1	1
5	Weighted maximum likelihood estimation for individual growth models. Optimization, 2022, 71, 3295-3311.	1.7	2
6	Stochastic differential equations harvesting policies: Allee effects, logistica€like growth and profit optimization. Applied Stochastic Models in Business and Industry, 2020, 36, 825-835.	1.5	7
7	Harvesting Policies with Stepwise Effort and Logistic Growth in a Random Environment. SEMA SIMAI Springer Series, 2020, , 95-110.	0.7	3
8	Fisheries management in randomly varying environments: Comparison of constant, variable and penalized efforts policies for the Gompertz model. Fisheries Research, 2019, 216, 196-203.	1.7	8
9	Harvesting in a Random Varying Environment: Optimal, Stepwise and Sustainable Policies for the Gompertz Model. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	3
10	On the random gamma function: Theory and computing. Journal of Computational and Applied Mathematics, 2018, 335, 142-155.	2.0	9
11	Preface special issue â€œdynamics in bio-systemsâ€•(DSABNS 2016). Ecological Complexity, 2017, 30, 1.	2.9	0
12	Fisheries management in random environments: Comparison of harvesting policies for the logistic model. Fisheries Research, 2017, 195, 238-246.	1.7	24
13	General population growth models with Allee effects in a random environment. Ecological Complexity, 2017, 30, 26-33.	2.9	17
14	Profit optimization for cattle growing in a randomly fluctuating environment. Optimization, 2015, 64, 1393-1407.	1.7	4
15	Consequences of an Incorrect Model Specification on Population Growth. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2014, , 105-113.	0.2	2
16	Modeling Human Population Death Rates: A Bi-Dimensional Stochastic Gompertz Model with Correlated Wiener Processes. , 2014, , 95-103.		3
17	Valuation of Bond Options Under the CIR Model: Some Computational Remarks. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2014, , 125-133.	0.2	1
18	On the computation of option prices and Greeks under the CEV model. Quantitative Finance, 2013, 13, 907-917.	1.7	38

#	Article	IF	Citations
19	Models of Individual Growth in a Random Environment: Study and Application of First Passage Times. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2013, , 103-111.	0.2	4
20	A Note on (Dis)Investment Options and Perpetuities Under CIR Interest Rates. , 2013, , 203-211.		0
21	Multiphasic Individual Growth Models in Random Environments. Methodology and Computing in Applied Probability, 2012, 14, 49-56.	1.2	11
22	Modelling animal growth in random environments: An application using nonparametric estimation. Biometrical Journal, 2010, 52, 653-666.	1.0	10
23	Random differential operational calculus: Theory and applications. Computers and Mathematics With Applications, 2010, 59, 115-125.	2.7	72
24	Environmental versus demographic stochasticity in population growth. Lecture Notes in Statistics, 2010, , 37-52.	0.2	5
25	Growth and extinction of populations in randomly varying environments. Computers and Mathematics With Applications, 2008, 56, 631-644.	2.7	35
26	ItÃ´ versus Stratonovich calculus in random population growth. Mathematical Biosciences, 2007, 206, 81-107.	1.9	52
27	Harvesting in a random environment: ItÃ´ or Stratonovich calculus?. Journal of Theoretical Biology, 2007, 244, 424-432.	1.7	13
28	Variable effort harvesting models in random environments: generalization to density-dependent noise intensities. Mathematical Biosciences, 2002, 177-178, 229-245.	1.9	70
29	CONSTANT EFFORT AND CONSTANT QUOTAFISHING POLICIES WITH CUTâ€OFFS IN A RANDOM ENVIRONMENT. Natural Resource Modelling, 2001, 14, 199-232.	2.0	4
30	Variable effort fishing models in random environments. Mathematical Biosciences, 1999, 156, 1-19.	1.9	26
31	THRESHOLD CROSSING PROBABILITIES FOR POPULATION GROWTH MODELS IN RANDOM ENVIRONMENTS. Journal of Biological Systems, 1995, 03, 505-517.	1.4	8
32	Estimating Parameters and Extinction Probabilities in Population Stochastic Differential Equation Models. , 1988, , 133-143.		1
33	Population growth in random environments. Bulletin of Mathematical Biology, 1983, 45, 635-641.	1.9	20
34	Multilocus population genetics: Relative importance of selection and recombination. Theoretical Population Biology, 1980, 17, 298-320.	1.1	11
35	Significance Tests for Coefficients of Variation and Variability Profiles. Systematic Biology, 1980, 29, 50-66.	5.6	86
36	Significance Tests for Coefficients of Variation and Variability Profiles. Systematic Zoology, 1980, 29, 50.	1.6	243

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37	Harvesting optimization with stochastic differential equations models: is the optimal enemy of the good?. Stochastic Models, 0, , 1-19.	0.5	2
38	Moments and probability density of threshold crossing times for populations in random environments under sustainable harvesting policies. Computational Statistics, 0, , .	1.5	0