

# Patsy Haccou

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,595  
citations

394421

19  
h-index

361022

35  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1578  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Introgression of Crop Alleles into Wild or Weedy Populations. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 325-345.   | 8.3 | 169       |
| 2  | Bet hedging or not? A guide to proper classification of microbial survival strategies. <i>BioEssays</i> , 2011, 33, 215-223.   | 2.5 | 154       |
| 3  | Starlings exploiting patches: the effect of recent experience on foraging decisions. <i>Animal Behaviour</i> , 1990, 40, 625-640.  | 1.9 | 123       |
| 4  | Information Processing by Foragers: Effects of Intra-Patch Experience on the Leaving Tendency of <i>Leptopilina heterotoma</i> . <i>Journal of Animal Ecology</i> , 1991, 60, 93.                          | 2.8 | 87        |
| 5  | Effects of Intra-Patch Experiences on Patch Time, Search Time and Searching Efficiency of the Parasitoid <i>Leptopilina clavipes</i> . <i>Journal of Animal Ecology</i> , 1993, 62, 33.                    | 2.8 | 79        |
| 6  | Establishment Probability in Fluctuating Environments: A Branching Process Model. <i>Theoretical Population Biology</i> , 1996, 50, 254-280.   | 1.1 | 65        |
| 7  | The effect of autocorrelation in environmental variability on the persistence of populations: an experimental test. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 2143-2148. | 2.6 | 50        |
| 8  | Starlings ( <i>Sturnus vulgaris</i> ) exploiting patches: response to long-term changes in travel time. <i>Behavioral Ecology</i> , 1994, 5, 81-90.  | 2.2 | 42        |
| 9  | ESS emergence pattern of male butterflies in stochastic environments. <i>Evolutionary Ecology</i> , 1994, 8, 503-523.  | 1.2 | 38        |
| 10 | Dynamics of escape mutants. <i>Theoretical Population Biology</i> , 2007, 72, 167-178.   | 1.1 | 38        |
| 11 | Analysis of time-inhomogeneity in Markov chains applied to mother-infant interactions of rhesus monkeys. <i>Animal Behaviour</i> , 1983, 31, 927-945.  | 1.9 | 32        |
| 12 | Establishment success and extinction risk in autocorrelated environments. <i>Theoretical Population Biology</i> , 2003, 64, 303-314.   | 1.1 | 31        |
| 13 | When did it really start or stop: the impact of censored observations on the analysis of duration. <i>Behavioural Processes</i> , 1991, 23, 1-20.  | 1.1 | 30        |
| 14 | Modes of Reproduction and the Accumulation of Deleterious Mutations With Multiplicative Fitness Effects. <i>Genetics</i> , 2004, 166, 1093-1104.   | 2.9 | 28        |
| 15 | The likelihood ratio test for the change point problem for exponentially distributed random variables. <i>Stochastic Processes and Their Applications</i> , 1987, 27, 121-139.                             | 0.9 | 27        |
| 16 | Markov models for social interactions: analysis of electrical stimulation in the hypothalamic aggression area of rats. <i>Animal Behaviour</i> , 1988, 36, 1145-1163.                                      | 1.9 | 23        |
| 17 | Stochasticity in the adaptive dynamics of evolution: the bare bones. <i>Journal of Biological Dynamics</i> , 2011, 5, 147-162.   | 1.7 | 22        |
| 18 | Optimal resource allocation in a serotinous non-resprouting plant species under different fire regimes. <i>Journal of Ecology</i> , 2012, 100, 1464-1474.  | 4.0 | 22        |

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|----|--|-----|-----------|
| 19 | Optimal choice between feedforward and feedback control in gene expression to cope with unpredictable danger. <i>Journal of Theoretical Biology</i> , 2003, 223, 149-160.  | 1.7 | 21        |
| 20 | Interspecific and intraspecific differences in habitat use and their conservation implications for Palaearctic harriers on Sahelian wintering grounds. <i>Ibis</i> , 2012, 154, 96-110.  | 1.9 | 20        |
| 21 | Patch leaving strategies and superparasitism: an asymmetric generalized war of attrition. <i>Journal of Theoretical Biology</i> , 2003, 225, 77-89.  | 1.7 | 18        |
| 22 | Multiple-year optimization of conservation effort and monitoring effort for a fluctuating population. <i>Journal of Theoretical Biology</i> , 2004, 230, 157-171.  | 1.7 | 17        |
| 23 | Evolution of cannibalism and female's response to oviposition-detering pheromone in aphidophagous predators. <i>Journal of Animal Ecology</i> , 2009, 78, 964-972.   | 2.8 | 17        |
| 24 | Testing for the number of change points in a sequence of exponential random variables. <i>Journal of Statistical Computation and Simulation</i> , 1988, 30, 285-298.   | 1.2 | 16        |
| 25 | Repeated triggering of sporulation in <i>Bacillus subtilis</i> selects against a protein that affects the timing of cell division. <i>ISME Journal</i> , 2014, 8, 77-87.   | 9.8 | 16        |
| 26 | Quantifying introgression risk with realistic population genetics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4747-4754.  | 2.6 | 13        |
| 27 | Robustness of optimal mixed strategies. <i>Journal of Mathematical Biology</i> , 1998, 36, 485-496.  | 1.9 | 11        |
| 28 | The ESS in an Asymmetric Generalized War of Attrition with Mistakes in Role Perception. <i>Journal of Theoretical Biology</i> , 2002, 214, 329-349.  | 1.7 | 10        |
| 29 | Conservation effort and assessment of population size in fluctuating environments. <i>Journal of Theoretical Biology</i> , 2003, 224, 167-182.   | 1.7 | 10        |
| 30 | Effects of parental survival on clutch size decisions in fluctuating environments. <i>Evolutionary Ecology</i> , 1998, 12, 459-475.  | 1.2 | 9         |
| 31 | Quantifying stochastic introgression processes with hazard rates. <i>Theoretical Population Biology</i> , 2010, 77, 171-180.   | 1.1 | 9         |
| 32 | A war of attrition between larvae on the same host plant: Stay and starve or leave and be eaten?. <i>Evolutionary Ecology</i> , 1994, 8, 269-287.  | 1.2 | 8         |
| 33 | Methodological problems in evolutionary biology. <i>Acta Biotheoretica</i> , 1992, 40, 285-295.  | 1.5 | 7         |
| 34 | Introgression of resistance genes between populations: A model study of insecticide resistance in <i>Bemisia tabaci</i> . <i>Theoretical Population Biology</i> , 2007, 72, 292-304.   | 1.1 | 7         |
| 35 | Optimal conservation strategy in fluctuating environments with species interactions: Resource-enhancement of the native species versus extermination of the alien species. <i>Journal of Theoretical Biology</i> , 2007, 244, 46-58. | 1.7 | 7         |
| 36 | Non-parametric testing for the number of change points in a sequence of independent random variables. <i>Journal of Statistical Computation and Simulation</i> , 1991, 39, 129-137.  | 1.2 | 6         |

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|----|---|-----|-----------|
| 37 | Information Determines the Optimal Clutch Sizes of Competing Insects: Stackelberg Versus Nash Equilibrium. <i>Journal of Theoretical Biology</i> , 1993, 163, 473-483.  | 1.7 | 6         |
| 38 | LEARNING AND COLONIZATION OF NEW NICHES: A FIRST STEP TOWARD SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 35.                   | 2.3 | 4         |
| 39 | Quantifying time-inhomogeneous stochastic introgression processes with hazard rates. <i>Theoretical Population Biology</i> , 2012, 81, 253-263.                         | 1.1 | 4         |
| 40 | On the Shapiro-Wilk Test and Darling's Test for Exponentiality. <i>Biometrics</i> , 1994, 50, 527.  | 1.4 | 3         |
| 41 | Modes of Reproduction and the Accumulation of Deleterious Mutations With Multiplicative Fitness Effects. <i>Genetics</i> , 2004, 166, 1093-1104.                        | 2.9 | 3         |
| 42 | On the analysis of time-inhomogeneity in Markov chains: a refined test for abrupt behavioural changes. <i>Animal Behaviour</i> , 1986, 34, 302-303.                     | 1.9 | 2         |
| 43 | Quantifying stochastic introgression processes in random environments with hazard rates. <i>Theoretical Population Biology</i> , 2015, 100, 1-5.                        | 1.1 | 2         |
| 44 | Detection of low dose effects of psychopharmaca: Application of a semi-Marcov model to rhesus monkey behaviour. <i>Behavioural Processes</i> , 1988, 17, 145-166.       | 1.1 | 1         |
| 45 | Detection of time-inhomogeneity in behavioural processes: tests for multiple abrupt changes in boutlengths. <i>Behavioural Processes</i> , 1990, 22, 121-132.           | 1.1 | 1         |
| 46 | Establishment versus population growth in spatio-temporally varying environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202009. | 2.6 | 1         |