Andreas Futschik

List of Publications by Year
in descending order

72 papers	3,533 citations	257450 24 h-index	155660 55 g-index
80 all docs	80 docs citations	80 times ranked	5712 citing authors

#	Article	IF	Citations
1	Continent-wide response of mountain vegetation to climate change. Nature Climate Change, 2012, 2, 111-115.	18.8	941
2	PoPoolation: A Toolbox for Population Genetic Analysis of Next Generation Sequencing Data from Pooled Individuals. PLoS ONE, 2011, 6, e15925.	2.5	556
3	The Next Generation of Molecular Markers From Massively Parallel Sequencing of Pooled DNA Samples. Genetics, 2010, 186, 207-218.	2.9	329
4	Behaviour of smaller and larger dogs: Effects of training methods, inconsistency of owner behaviour and level of engagement in activities with the dog. Applied Animal Behaviour Science, 2010, 123, 131-142.	1.9	148
5	A Genome-Wide, Fine-Scale Map of Natural Pigmentation Variation in Drosophila melanogaster. PLoS Genetics, 2013, 9, e1003534.	3.5	146
6	Distinguishing Positive Selection From Neutral Evolution: Boosting the Performance of Summary Statistics. Genetics, 2011, 187, 229-244.	2.9	102
7	mtDNA Segregation in Heteroplasmic Tissues Is Common InÂVivo and Modulated by Haplotype Differences and Developmental Stage. Cell Reports, 2014, 7, 2031-2041.	6.4	99
8	A Novel Approach for Choosing Summary Statistics in Approximate Bayesian Computation. Genetics, 2012, 192, 1027-1047.	2.9	82
9	Detecting Selective Sweeps from Pooled Next-Generation Sequencing Samples. Molecular Biology and Evolution, 2012, 29, 2177-2186.	8.9	75
10	Quantifying Selection with Pool-Seq Time Series Data. Molecular Biology and Evolution, 2017, 34, 3023-3034.	8.9	69
11	Integration into the dairy cow herd: Long-term effects of mother contact during the first twelve weeks of life. Applied Animal Behaviour Science, 2012, 141, 117-129.	1.9	60
12	Estimating the Effective Population Size from Temporal Allele Frequency Changes in Experimental Evolution. Genetics, 2016, 204, 723-735.	2.9	58
13	Poolâ€hmm: a Python program for estimating the allele frequency spectrum and detecting selective sweeps from next generation sequencing of pooled samples. Molecular Ecology Resources, 2013, 13, 337-340.	4.8	55
14	Detecting Selective Sweeps: A New Approach Based on Hidden Markov Models. Genetics, 2009, 181, 1567-1578.	2.9	48
15	Mother rearing of dairy calves: Reactions to isolation and to confrontation with an unfamiliar conspecific in a new environment. Applied Animal Behaviour Science, 2013, 147, 43-54.	1.9	48
16	On Locating Multiple Interacting Quantitative Trait Loci in Intercross Designs. Genetics, 2006, 173, 1693-1703.	2.9	46
17	A Data Driven Smooth Test for Circular Uniformity. Annals of the Institute of Statistical Mathematics, 2002, 54, 29-44.	0.8	44
18	Caregiving and Caregiver Burden in Dementia Home Care: Results from the Prospective Dementia Registry (PRODEM) of the Austrian Alzheimer Society. Journal of Alzheimer's Disease, 2018, 63, 103-114.	2.6	41

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19	The influence of gentle interactions on avoidance distance towards humans, weight gain and physiological parameters in group-housed dairy calves. Applied Animal Behaviour Science, 2015, 172, 9-16.	1.9	39
20	A Fast Estimate for the Population Recombination Rate Based on Regression. Genetics, 2013, 194, 473-484.	2.9	37
21	Allelic imbalance metre (A llim), a new tool for measuring allele‐specific gene expression with RNA ‐seq data. Molecular Ecology Resources, 2013, 13, 740-745.	4.8	36
22	Effects of mother versus artificial rearing during the first 12 weeks of life on challenge responses of dairy cows. Applied Animal Behaviour Science, 2015, 164, 1-11.	1.9	36
23	Benchmarking software tools for detecting and quantifying selection in evolve and resequencing studies. Genome Biology, 2019, 20, 169.	8.8	33
24	Gentle interactions decrease the fear of humans in dairy heifers independently of early experience of stroking. Applied Animal Behaviour Science, 2016, 178, 16-22.	1.9	29
25	Intra-Specific Regulatory Variation in Drosophila pseudoobscura. PLoS ONE, 2013, 8, e83547.	2.5	23
26	*LDJump*: Estimating variable recombination rates from population genetic data. Molecular Ecology Resources, 2019, 19, 623-638.	4.8	22
27	Modifying the Chi-square and the CMH test for population genetic inference: Adapting to overdispersion. Annals of Applied Statistics, 2020, 14, .	1.1	22
28	Disentangling observer error and climate change effects in long‐term monitoring of alpine plant species composition and cover. Journal of Vegetation Science, 2020, 31, 14-25.	2.2	19
29	Optimal allocation of simulation experiments in discrete stochastic optimization and approximative algorithms. European Journal of Operational Research, 1997, 101, 245-260.	5.7	18
30	Locating Multiple Interacting Quantitative Trait Loci Using Rank-Based Model Selection. Genetics, 2007, 176, 1845-1854.	2.9	18
31	Multiscale DNA partitioning: statistical evidence for segments. Bioinformatics, 2014, 30, 2255-2262.	4.1	17
32	The long zinc finger domain of PRDM9 forms a highly stable and long-lived complex with its DNA recognition sequence. Chromosome Research, 2017, 25, 155-172.	2.2	17
33	Approximate B ayesian computation for modular inference problems with many parameters: the example of migration rates. Molecular Ecology, 2013, 22, 987-1002.	3.9	15
34	Effects of Different Stroking Styles on Behaviour and Cardiac Parameters in Heifers. Animals, 2020, 10, 426.	2.3	15
35	Effects of gentle interactions on the relationship with humans and on stress-related parameters in group-housed calves. Animal Welfare, 2015, 24, 475-484.	0.7	14
36	An omnibus test for the global null hypothesis. Statistical Methods in Medical Research, 2019, 28, 2292-2304.	1.5	14

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37	The influence of gentle interactions with an experimenter during milking on dairy cows' avoidance distance and milk yield, flow and composition. Animal, 2018, 12, 340-349.	3.3	13
38	Confidence sets for discrete stochastic optimization. Annals of Operations Research, 1995, 56, 95-108.	4.1	10
39	On the significance of sequence alignments when using multiple scoring matrices. Bioinformatics, 2004, 20, 881-887.	4.1	10
40	Talking to Cows: Reactions to Different Auditory Stimuli During Gentle Human-Animal Interactions. Frontiers in Psychology, 2020, 11, 579346.	2.1	10
41	Waves Out of the Korean Peninsula and Inter- and Intra-Species Replacements in Freshwater Fishes in Japan. Genes, 2021, 12, 303.	2.4	10
42	Introducing young dairy goats into the adult herd after parturition reduces social stress. Journal of Dairy Science, 2013, 96, 5644-5655.	3.4	9
43	On the inadmissibility of Watterson's estimator. Theoretical Population Biology, 2008, 73, 212-221.	1.1	8
44	Approximate maximum likelihood estimation for population genetic inference. Statistical Applications in Genetics and Molecular Biology, 2017, 16, 387-405.	0.6	8
45	Locating multiple interacting quantitative trait loci using robust model selection. Computational Statistics and Data Analysis, 2007, 51, 6423-6434.	1.2	7
46	A Uniform Improvement of Bonferroni-Type Tests by Sequential Tests. Journal of the American Statistical Association, 2008, 103, 299-308.	3.1	7
47	A new approach to choose acceptance cutoff for approximate Bayesian computation. Journal of Applied Statistics, 2013, 40, 862-869.	1.3	7
48	Head partitions at the feed barrier affect behaviour of goats. Applied Animal Behaviour Science, 2015, 167, 9-19.	1.9	7
49	Improved Versions of Common Estimators of the Recombination Rate. Journal of Computational Biology, 2016, 23, 756-768.	1.6	6
50	Multiple haplotype reconstruction from allele frequency data. Nature Computational Science, 2021, 1, 262-271.	8.0	6
51	Effects of restraint on heifers during gentle human-animal interactions. Applied Animal Behaviour Science, 2021, 243, 105445.	1.9	6
52	The impact of poly-A microsatellite heterologies in meiotic recombination. Life Science Alliance, 2019, 2, e201900364.	2.8	5
53	The likelihood ratio test for simple tree order: A useful asymptotic expansion. Journal of Statistical Planning and Inference, 1998, 70, 57-68.	0.6	4
54	Sequential estimation of a linear function of location parameters of two negative exponential distributions. Journal of Statistical Planning and Inference, 2010, 140, 2416-2424.	0.6	4

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55	Gentle interactions with restrained and free-moving cows: Effects on the improvement of the animal-human relationship. PLoS ONE, 2020, 15, e0242873.	2.5	4
56	The Effects of Play Behavior, Feeding, and Time of Day on Salivary Concentrations of sIgA in Calves. Animals, 2019, 9, 657.	2.3	3
57	On the convergence of Newton's method when estimating higher dimensional parameters. Journal of Multivariate Analysis, 2007, 98, 916-931.	1.0	2
58	DNA Pooling and Statistical Tests for the Detection of Single Nucleotide Polymorphisms. Statistical Applications in Genetics and Molecular Biology, 2012, 11, Article 1.	0.6	2
59	Hidden Markov Models in Biology. Methods in Molecular Biology, 2010, 609, 241-253.	0.9	2
60	Distance Testing for Selecting the Best Population. Australian and New Zealand Journal of Statistics, 1998, 40, 443-464.	0.9	1
61	Confidence regions for the set of global maximizers of nonparametrically estimated curves. Journal of Statistical Planning and Inference, 1999, 82, 237-250.	0.6	1
62	A new estimate of the mode based on the quantile density. Statistics and Probability Letters, 1999, 43, 145-152.	0.7	1
63	On the Dependence Structure of Sequence Alignment Scores Calculated with Multiple Scoring Matrices. Statistical Applications in Genetics and Molecular Biology, 2004, 3, 1-12.	0.6	1
64	Improving bandwidth selection methods by adding qualitative constraints. Computational Statistics, 2004, 19, 445-453.	1.5	1
65	On the consistency of kernel density estimates under modality constraints. Statistics and Probability Letters, 2006, 76, 431-437.	0.7	1
66	Exact Likelihood Calculation under the Infinite Sites Model. Computation, 2015, 3, 701-713.	2.0	1
67	Choosing summary statistics by least angle regression for approximate Bayesian computation. Journal of Applied Statistics, 2016, 43, 2191-2202.	1.3	1
68	Bounded risk estimation of a linear combination of location parameters in negative exponential distributions via three-stage sampling. Communications in Statistics - Theory and Methods, 2018, 47, 3728-3733.	1.0	1
69	Rotation invariant tests for discrete uniformity against peak shaped alternatives. Communications in Statistics Part B: Simulation and Computation, 1998, 27, 431-457.	1.2	0
70	Confidence sets for the maximizers of intensity functions. Journal of Statistical Planning and Inference, 2005, 134, 549-567.	0.6	0
71	Power analysis of database search using multiple scoring matrices. Computational Statistics and Data Analysis, 2006, 51, 1656-1663.	1.2	0
72	On the convergence rate of sequential fixed-width confidence intervals for normal parameters. Statistics and Probability Letters, 2008, 78, 1826-1834.	0.7	0