Mark L Taper

List of Publications by Year
in descending order

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Version: 2024-02-01

81 papers	10,900 citations	117625 34 h-index	82547 72 g-index
84 all docs	84 docs citations	84 times ranked	11456 citing authors

#	Article	IF	Citations
1	Revising how the computer program cervus accommodates genotyping error increases success in paternity assignment. Molecular Ecology, 2007, 16, 1099-1106.	3.9	4,426
2	ml-relate: a computer program for maximum likelihood estimation of relatedness and relationship. Molecular Ecology Notes, 2006, 6, 576-579.	1.7	782
3	Evolution of Body Size: Consequences of an Energetic Definition of Fitness. American Naturalist, 1993, 142, 573-584.	2.1	560
4	Density Dependence in Time Series Observations of Natural Populations: Estimation and Testing. Ecological Monographs, 1994, 64, 205-224.	5.4	503
5	Interspecific Competition, Environmental Gradients, Gene Flow, and the Coevolution of Species' Borders. American Naturalist, 2000, 155, 583-605.	2.1	431
6	ESTIMATING DENSITY DEPENDENCE, PROCESS NOISE, AND OBSERVATION ERROR. Ecological Monographs, 2006, 76, 323-341.	5.4	358
7	Maximum likelihood estimation of the frequency of null alleles at microsatellite loci. Conservation Genetics, 2006, 7, 991-995.	1.5	260
8	Hybridization rapidly reduces fitness of a native trout in the wild. Biology Letters, 2009, 5, 328-331.	2.3	254
9	Theoretical models of speciesâ€™ borders: single species approaches. Oikos, 2005, 108, 18-27.	2.7	252
10	Quantitative Genetic Models for the Coevolution of Character Displacement. Ecology, 1985, 66, 355-371.	3.2	215
11	On size and area: Patterns of mammalian body size extremes across landmasses. Evolutionary Ecology, 1998, 12, 127-139.	1.2	128
12	Are Declines in North American Insectivorous Songbirds Due to Causes on the Breeding Range?. Conservation Biology, 1993, 7, 76-86.	4.7	125
13	MODELS OF CHARACTER DISPLACEMENT AND THE THEORETICAL ROBUSTNESS OF TAXON CYCLES. Evolution; International Journal of Organic Evolution, 1992, 46, 317-333.	2.3	124
14	DUCK NEST SURVIVAL IN THE MISSOURI COTEAU OF NORTH DAKOTA: LANDSCAPE EFFECTS AT MULTIPLE SPATIAL SCALES. , 2005, 15, 2137-2149.		123
15	ABIOTIC CONTROLS ON LONG-TERM WINDTHROW DISTURBANCE AND TEMPERATE RAIN FOREST DYNAMICS IN SOUTHEAST ALASKA. Ecology, 2001, 82, 2749-2768.	3.2	118
16	The Northern Yellowstone Elk: Density Dependence and Climatic Conditions. Journal of Wildlife Management, 2002, 66, 106.	1.8	117
17	The influences of wolf predation, habitat loss, and human activity on caribou and moose in the Alberta oil sands. Frontiers in Ecology and the Environment, 2011, 9, 546-551.	4.0	114
18	ESTIMATING POPULATION TREND AND PROCESS VARIATION FOR PVA IN THE PRESENCE OF SAMPLING ERROR. Ecology, 2004, 85, 923-929.	3.2	94

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19	ON THE COEXISTENCE AND COEVOLUTION OF ASEXUAL AND SEXUAL COMPETITORS. Evolution; International Journal of Organic Evolution, 1986, 40, 366-387.	2.3	93
20	Humanâ€mediated longâ€distance dispersal: an empirical evaluation of seed dispersal by vehicles. Diversity and Distributions, 2012, 18, 942-951.	4.1	90
21	Migration within Metapopulations. , 1997, , 267-291.		89
22	COMPLEX POPULATION DYNAMICS IN THE REAL WORLD: MODELING THE INFLUENCE OF TIME-VARYING PARAMETERS AND TIME LAGS. Ecology, 1998, 79, 2193-2209.	3.2	87
23	Connecting geographical distributions with population processes. Ecology Letters, 2002, 5, 223-231.	6.4	84
24	Relative growth rates of predator and prey dinosaurs reflect effects of predation. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2609-2615.	2.6	63
25	Replicated sampling increases efficiency in monitoring biological populations. Ecology, 2010, 91, 610-620.	3.2	63
26	Sources of mortality for a cynipid gall-wasp (Dryocosmus dubiosus (Hymenoptera: Cynipidae)): The importance of the Tannin/Fungus interaction. Oecologia, 1986, 68, 437-445.	2.0	62
27	Hierarchical models in ecology: confidence intervals, hypothesis testing, and model selection using data cloning. Ecology, 2009, 90, 356-362.	3.2	62
28	Correcting Nesting-Success Estimates for Observer Effects: Maximum-Likelihood Estimates of Daily Survival Rates With Reduced Bias. Auk, 2000, 117, 92-109.	1.4	60
29	Strong Evidence for an Intraspecific Metabolic Scaling Coefficient Near 0.89 in Fish. Frontiers in Physiology, 2019, 10, 1166.	2.8	54
30	Effects of Tourists on Behavior and Demography of Olympic Marmots. Conservation Biology, 2007, 21, 1070-1081.	4.7	51
31	Observer Error Structure in Bull Trout Redd Counts in Montana Streams: Implications for Inference on True Redd Numbers. Transactions of the American Fisheries Society, 2006, 135, 643-654.	1.4	46
32	Evidential statistics as a statistical modern synthesis to support 21st century science. Population Ecology, 2016, 58, 9-29.	1.2	46
33	Density dependence tests, and largely futile comments: Answers to Holyoak and Lawton (1993) and Hanski, Woiwod and Perry (1993). Oecologia, 1994, 98, 229-234.	2.0	44
34	Individualistic responses of bird species to environmental change. Oecologia, 1995, 101, 478-486.	2.0	41
35	Assessing Parameter Identifiability in Phylogenetic Models Using Data Cloning. Systematic Biology, 2012, 61, 955-972.	5.6	41
36	Hitching a ride: Seed accrual rates on different types of vehicles. Journal of Environmental Management, 2018, 206, 547-555.	7.8	41

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37	Errors in Statistical Inference Under Model Misspecification: Evidence, Hypothesis Testing, and AIC. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	40
38	How do Species Really Divide Resources?. American Naturalist, 1996, 147, 1072-1086.	2.1	37
39	STATISTICAL ANALYSIS OF POPULATION DYNAMICS INSPACE AND TIME USING ESTIMATING FUNCTIONS. Ecology, 1998, 79, 1489-1502.	3.2	37
40	Risk-Based Viable Population Monitoring. Conservation Biology, 2005, 19, 1908-1916.	4.7	36
41	Utilization of hybrid oak hosts by a monophagous gall wasp: How little host character is sufficient?. Oecologia, 1993, 95, 385-392.	2.0	33
42	Individual Identification and Distribution of Genotypic Differences Between Individuals. Journal of Wildlife Management, 2006, 70, 1148-1150.	1.8	32
43	Factors Influencing Successful Eradication of Nonnative Brook Trout from Four Small Rocky Mountain Streams Using Electrofishing. North American Journal of Fisheries Management, 2014, 34, 988-997.	1.0	32
44	Belief, Evidence, and Uncertainty. SpringerBriefs in Philosophy, 2016, , .	0.4	31
45	Darwinian Fitness and Reproductive Power: Reply to Kozlowski. American Naturalist, 1996, 147, 1092-1097.	2.1	30
46	Development and Validation of the Conceptual Assessment of Natural Selection (CANS). CBE Life Sciences Education, 2016, 15, ar64.	2.3	30
47	Model Identification from Many Candidates. , 2004, , 488-524.		29
48	Using DNA from non-invasive samples to identify individuals and census populations: an evidential approach tolerant of genotyping errors. Conservation Genetics, 2006, 7, 319-329.	1.5	27
49	Effects of supplemental feeding and aggregation on fecal glucocorticoid metabolite concentrations in elk. Journal of Wildlife Management, 2012, 76, 694-702.	1.8	27
50	Model structure adequacy analysis: selecting models on the basis of their ability to answer scientific questions. SynthÃˆse, 2008, 163, 357-370.	1.1	26
51	Long-Term Population Analysis of Gray Partridge in Eastern Washington. Journal of Wildlife Management, 1996, 60, 817.	1.8	23
52	Experimental Character Displacement in the Adzuki Bean Weevil, Callosobruchus Chinensis. , 1990, , 289-301.		23
53	Avian Community Dynamics Are Discordant in Space and Time. Oikos, 1994, 70, 121.	2.7	22
54	Evidence of Local Adaptation in Westslope Cutthroat Trout. Transactions of the American Fisheries Society, 2012, 141, 872-880.	1.4	20

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55	The case of the missing marmots: Are metapopulation dynamics or range-wide declines responsible?. Biological Conservation, 2008, 141, 1293-1309.	4.1	16
56	An updated perspective on the role of environmental autocorrelation in animal populations. Theoretical Ecology, 2016, 9, 129-148.	1.0	15
57	Ranking Mahalanobis Distance Models for Predictions of Occupancy From Presenceâ€Only Data. Journal of Wildlife Management, 2010, 74, 1112-1121.	1.8	13
58	Evidence, Evidence Functions, and Error Probabilities. , 2011, , 513-532.		13
59	Model Projections in Model Space: A Geometric Interpretation of the AIC Allows Estimating the Distance Between Truth and Approximating Models. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	9
60	Avian Community Dynamics Are Discordant in Space and Time. , 1994, , 46-52.		9
61	How Are Humans Related to Other Primates?: A Guided Inquiry Laboratory for Undergraduate Students. Genetics, 2006, 172, 1379-1383.	2.9	7
62	Selection of a Barley Yield Model Using Informationâ€“Theoretic Criteria. Weed Science, 2008, 56, 628-636.	1.5	7
63	Marmots on the Move? Dispersal in a Declining Montane Mammal. Journal of Mammalogy, 2009, 90, 686-695.	1.3	7
64	To kill or not to kill â€“ that is the question. Frontiers in Ecology and the Environment, 2012, 10, 67-68.	4.0	7
65	The demography of native and non-native plant species in mountain systems: examples in the Greater Yellowstone Ecosystem. Population Ecology, 2014, 56, 81-95.	1.2	7
66	Performance of Juvenile Cutthroat Trout Translocated as Embryos from Five Populations into a Common Habitat. North American Journal of Fisheries Management, 2016, 36, 926-941.	1.0	7
67	Ecological change points: The strength of density dependence and the loss of history. Theoretical Population Biology, 2018, 121, 45-59.	1.1	7
68	The Nature of Scientific Evidence. , 2004, , 527-552.		7
69	Assessing the Global and Local Uncertainty of Scientific Evidence in the Presence of Model Misspecification. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	7
70	Can Random Mutation Mimic Design?: A Guided Inquiry Laboratory for Undergraduate Students. Genetics, 2006, 174, 1073-1079.	2.9	6
71	Effects of sampling error and temporal correlations in population growth on process variance estimators. Environmental and Ecological Statistics, 2009, 16, 547-560.	3.5	6
72	Incorporating Parameter Estimability Into Model Selection. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	6

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73	Female Olympic Marmots (Marmota olympus) Reproduce in Consecutive Years. American Midland Naturalist, 2007, 158, 221-225.	0.4	5
74	Impact of non-linearities in density dependence beyond the range of the data on predicting population extinction risk. Journal for Nature Conservation, 2006, 14, 73-77.	1.8	3
75	Non-Bayesian Accounts of Evidence: Howsonâ€™s Counterexample Countered. International Studies in the Philosophy of Science, 2016, 30, 291-298.	0.2	3
76	Editorial: Evidential Statistics, Model Identification, and Science. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	3
77	Improved Variance Estimates of Biomass for Streamâ€Ðwelling Fish Calculated Using Removal Estimators. Transactions of the American Fisheries Society, 2013, 142, 841-853.	1.4	2
78	Dynamical Models as Paths to Evidence in Ecology. , 2004, , 275-297.		2
79	Evaluation of Remote Site Incubators to Incubate Wildâ€•and Hatcheryâ€Origin Westslope Cutthroat Trout Embryos. North American Journal of Fisheries Management, 2021, 41, 844-855.	1.0	1
80	Bayesian and Evidential Paradigms. SpringerBriefs in Philosophy, 2016, , 15-36.	0.4	0
81	A Subjective Bayesian Surrogate for Evidence. SpringerBriefs in Philosophy, 2016, , 63-72.	0.4	0