

# Mark L Taper

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

10,900  
citations

117453

34  
h-index

82410

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. <i>Molecular Ecology</i> , 2007, 16, 1099-1106.	2.0	4,426
2	ml-relate: a computer program for maximum likelihood estimation of relatedness and relationship. <i>Molecular Ecology Notes</i> , 2006, 6, 576-579.	1.7	782
3	Evolution of Body Size: Consequences of an Energetic Definition of Fitness. <i>American Naturalist</i> , 1993, 142, 573-584.	1.0	560
4	Density Dependence in Time Series Observations of Natural Populations: Estimation and Testing. <i>Ecological Monographs</i> , 1994, 64, 205-224.	2.4	503
5	Interspecific Competition, Environmental Gradients, Gene Flow, and the Coevolution of Species' Borders. <i>American Naturalist</i> , 2000, 155, 583-605.	1.0	431
6	ESTIMATING DENSITY DEPENDENCE, PROCESS NOISE, AND OBSERVATION ERROR. <i>Ecological Monographs</i> , 2006, 76, 323-341.	2.4	358
7	Maximum likelihood estimation of the frequency of null alleles at microsatellite loci. <i>Conservation Genetics</i> , 2006, 7, 991-995.	0.8	260
8	Hybridization rapidly reduces fitness of a native trout in the wild. <i>Biology Letters</i> , 2009, 5, 328-331.	1.0	254
9	Theoretical models of species' borders: single species approaches. <i>Oikos</i> , 2005, 108, 18-27.	1.2	252
10	Quantitative Genetic Models for the Coevolution of Character Displacement. <i>Ecology</i> , 1985, 66, 355-371.	1.5	215
11	On size and area: Patterns of mammalian body size extremes across landmasses. <i>Evolutionary Ecology</i> , 1998, 12, 127-139.	0.5	128
12	Are Declines in North American Insectivorous Songbirds Due to Causes on the Breeding Range?. <i>Conservation Biology</i> , 1993, 7, 76-86.	2.4	125
13	MODELS OF CHARACTER DISPLACEMENT AND THE THEORETICAL ROBUSTNESS OF TAXON CYCLES. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 317-333.	1.1	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. <i>Ecology</i> , 2001, 82, 2749-2768.	1.5	118
16	The Northern Yellowstone Elk: Density Dependence and Climatic Conditions. <i>Journal of Wildlife Management</i> , 2002, 66, 106.	0.7	117
17	The influences of wolf predation, habitat loss, and human activity on caribou and moose in the Alberta oil sands. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 546-551.	1.9	114
18	ESTIMATING POPULATION TREND AND PROCESS VARIATION FOR PVA IN THE PRESENCE OF SAMPLING ERROR. <i>Ecology</i> , 2004, 85, 923-929.	1.5	94

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19	ON THE COEXISTENCE AND COEVOLUTION OF ASEYUAL AND SEXUAL COMPETITORS. <i>Evolution; International Journal of Organic Evolution</i> , 1986, 40, 366-387.	1.1	93
20	Human-mediated long-distance dispersal: an empirical evaluation of seed dispersal by vehicles. <i>Diversity and Distributions</i> , 2012, 18, 942-951.	1.9	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. <i>Ecology</i> , 1998, 79, 2193-2209.	1.5	87
23	Connecting geographical distributions with population processes. <i>Ecology Letters</i> , 2002, 5, 223-231.	3.0	84
24	Relative growth rates of predator and prey dinosaurs reflect effects of predation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2609-2615.	1.2	63
25	Replicated sampling increases efficiency in monitoring biological populations. <i>Ecology</i> , 2010, 91, 610-620.	1.5	63
26	Sources of mortality for a cynipid gall-wasp ( <i>Dryocosmus dubiosus</i> (Hymenoptera: Cynipidae)): The importance of the Tannin/Fungus interaction. <i>Oecologia</i> , 1986, 68, 437-445.	0.9	62
27	Hierarchical models in ecology: confidence intervals, hypothesis testing, and model selection using data cloning. <i>Ecology</i> , 2009, 90, 356-362.	1.5	62
28	Correcting Nesting-Success Estimates for Observer Effects: Maximum-Likelihood Estimates of Daily Survival Rates With Reduced Bias. <i>Auk</i> , 2000, 117, 92-109.	0.7	60
29	Strong Evidence for an Intraspecific Metabolic Scaling Coefficient Near 0.89 in Fish. <i>Frontiers in Physiology</i> , 2019, 10, 1166.	1.3	54
30	Effects of Tourists on Behavior and Demography of Olympic Marmots. <i>Conservation Biology</i> , 2007, 21, 1070-1081.	2.4	51
31	Observer Error Structure in Bull Trout Redd Counts in Montana Streams: Implications for Inference on True Redd Numbers. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 643-654.	0.6	46
32	Evidential statistics as a statistical modern synthesis to support 21st century science. <i>Population Ecology</i> , 2016, 58, 9-29.	0.7	46
33	Density dependence tests, and largely futile comments: Answers to Holyoak and Lawton (1993) and Hanski, Woiod and Perry (1993). <i>Oecologia</i> , 1994, 98, 229-234.	0.9	44
34	Individualistic responses of bird species to environmental change. <i>Oecologia</i> , 1995, 101, 478-486.	0.9	41
35	Assessing Parameter Identifiability in Phylogenetic Models Using Data Cloning. <i>Systematic Biology</i> , 2012, 61, 955-972.	2.7	41
36	Hitching a ride: Seed accrual rates on different types of vehicles. <i>Journal of Environmental Management</i> , 2018, 206, 547-555.	3.8	41

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37	Errors in Statistical Inference Under Model Misspecification: Evidence, Hypothesis Testing, and AIC. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	40
38	How do Species Really Divide Resources?. <i>American Naturalist</i> , 1996, 147, 1072-1086.	1.0	37
39	STATISTICAL ANALYSIS OF POPULATION DYNAMICS INSPACE AND TIME USING ESTIMATING FUNCTIONS. <i>Ecology</i> , 1998, 79, 1489-1502.	1.5	37
40	Risk-Based Viable Population Monitoring. <i>Conservation Biology</i> , 2005, 19, 1908-1916.	2.4	36
41	Utilization of hybrid oak hosts by a monophagous gall wasp: How little host character is sufficient?. <i>Oecologia</i> , 1993, 95, 385-392.	0.9	33
42	Individual Identification and Distribution of Genotypic Differences Between Individuals. <i>Journal of Wildlife Management</i> , 2006, 70, 1148-1150.	0.7	32
43	Factors Influencing Successful Eradication of Nonnative Brook Trout from Four Small Rocky Mountain Streams Using Electrofishing. <i>North American Journal of Fisheries Management</i> , 2014, 34, 988-997.	0.5	32
44	Belief, Evidence, and Uncertainty. <i>SpringerBriefs in Philosophy</i> , 2016, , .	0.4	31
45	Darwinian Fitness and Reproductive Power: Reply to Kozłowski. <i>American Naturalist</i> , 1996, 147, 1092-1097.	1.0	30
46	Development and Validation of the Conceptual Assessment of Natural Selection (CANS). <i>CBE Life Sciences Education</i> , 2016, 15, ar64.	1.1	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. <i>Conservation Genetics</i> , 2006, 7, 319-329.	0.8	27
49	Effects of supplemental feeding and aggregation on fecal glucocorticoid metabolite concentrations in elk. <i>Journal of Wildlife Management</i> , 2012, 76, 694-702.	0.7	27
50	Model structure adequacy analysis: selecting models on the basis of their ability to answer scientific questions. <i>Synth�se</i> , 2008, 163, 357-370.	0.6	26
51	Long-Term Population Analysis of Gray Partridge in Eastern Washington. <i>Journal of Wildlife Management</i> , 1996, 60, 817.	0.7	23
52	Experimental Character Displacement in the Adzuki Bean Weevil, <i>Callosobruchus Chinensis</i> . , 1990, , 289-301.		23
53	Avian Community Dynamics Are Discordant in Space and Time. <i>Oikos</i> , 1994, 70, 121.	1.2	22
54	Evidence of Local Adaptation in Westslope Cutthroat Trout. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 872-880.	0.6	20

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55	The case of the missing marmots: Are metapopulation dynamics or range-wide declines responsible?. <i>Biological Conservation</i> , 2008, 141, 1293-1309.	1.9	16
56	An updated perspective on the role of environmental autocorrelation in animal populations. <i>Theoretical Ecology</i> , 2016, 9, 129-148.	0.4	15
57	Ranking Mahalanobis Distance Models for Predictions of Occupancy From Presence-Only Data. <i>Journal of Wildlife Management</i> , 2010, 74, 1112-1121.	0.7	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. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	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. <i>Genetics</i> , 2006, 172, 1379-1383.	1.2	7
62	Selection of a Barley Yield Model Using Information-Theoretic Criteria. <i>Weed Science</i> , 2008, 56, 628-636.	0.8	7
63	Marmots on the Move? Dispersal in a Declining Montane Mammal. <i>Journal of Mammalogy</i> , 2009, 90, 686-695.	0.6	7
64	To kill or not to kill “ that is the question. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 67-68.	1.9	7
65	The demography of native and non-native plant species in mountain systems: examples in the Greater Yellowstone Ecosystem. <i>Population Ecology</i> , 2014, 56, 81-95.	0.7	7
66	Performance of Juvenile Cutthroat Trout Translocated as Embryos from Five Populations into a Common Habitat. <i>North American Journal of Fisheries Management</i> , 2016, 36, 926-941.	0.5	7
67	Ecological change points: The strength of density dependence and the loss of history. <i>Theoretical Population Biology</i> , 2018, 121, 45-59.	0.5	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. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	7
70	Can Random Mutation Mimic Design?: A Guided Inquiry Laboratory for Undergraduate Students. <i>Genetics</i> , 2006, 174, 1073-1079.	1.2	6
71	Effects of sampling error and temporal correlations in population growth on process variance estimators. <i>Environmental and Ecological Statistics</i> , 2009, 16, 547-560.	1.9	6
72	Incorporating Parameter Estimability Into Model Selection. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	6

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73	Female Olympic Marmots ( <i>Marmota olympus</i> ) Reproduce in Consecutive Years. <i>American Midland Naturalist</i> , 2007, 158, 221-225.	0.2	5
74	Impact of non-linearities in density dependence beyond the range of the data on predicting population extinction risk. <i>Journal for Nature Conservation</i> , 2006, 14, 73-77.	0.8	3
75	Non-Bayesian Accounts of Evidence: Howson's Counterexample Countered. <i>International Studies in the Philosophy of Science</i> , 2016, 30, 291-298.	0.2	3
76	Editorial: Evidential Statistics, Model Identification, and Science. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	3
77	Improved Variance Estimates of Biomass for Stream-Dwelling Fish Calculated Using Removal Estimators. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 841-853.	0.6	2
78	Dynamical Models as Paths to Evidence in Ecology. , 2004, , 275-297.		2
79	Evaluation of Remote Site Incubators to Incubate Wild and Hatchery Origin Westslope Cutthroat Trout Embryos. <i>North American Journal of Fisheries Management</i> , 2021, 41, 844-855.	0.5	1
80	Bayesian and Evidential Paradigms. <i>SpringerBriefs in Philosophy</i> , 2016, , 15-36.	0.4	0
81	A Subjective Bayesian Surrogate for Evidence. <i>SpringerBriefs in Philosophy</i> , 2016, , 63-72.	0.4	0