

# Peter Arcese

## List of Publications by Year in descending order

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Version: 2024-02-01

130  
papers

7,227  
citations

61984

43  
h-index

62596

80  
g-index

133  
all docs

133  
docs citations

133  
times ranked

6821  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the capacity for rapid adaptation and plastic responses to herbivory and intraspecific competition in insular populations of <i>Plectritis congesta</i> . <i>Evolutionary Applications</i> , 2022, 15, 804-816.	3.1	2
2	Adaptation to climate change through seasonal migration revealed by climatic versus demographic niche models. <i>Global Change Biology</i> , 2022, 28, 4260-4275.	9.5	2
3	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
4	Immigration counter-acts local micro-evolution of a major fitness component: Migration-selection balance in free-living song sparrows. <i>Evolution Letters</i> , 2021, 5, 48-60.	3.3	19
5	Non-native earthworms alter the assembly of a meadow plant community. <i>Biological Invasions</i> , 2021, 23, 2407-2415.	2.4	8
6	Predictive mapping to identify refuges for plant communities threatened by earthworm invasion. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12064.	2.0	2
7	Are immigrants outbred and unrelated? Testing standard assumptions in a wild metapopulation. <i>Molecular Ecology</i> , 2021, 30, 5674-5686.	3.9	7
8	Genomic differentiation and local adaptation on a microgeographic scale in a resident songbird. <i>Molecular Ecology</i> , 2020, 29, 4295-4307.	3.9	15
9	Local Adaptation in Island Populations of <i>Plectritis congesta</i> that Differ in Historic Exposure to Ungulate Browsers. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01718.	0.2	0
10	Recent immigrants alter the quantitative genetic architecture of paternity in song sparrows. <i>Evolution Letters</i> , 2020, 4, 124-136.	3.3	10
11	Local adaptation in island populations of <i>Plectritis congesta</i> that differ in historic exposure to ungulate browsers. <i>Ecology</i> , 2020, 101, e03054.	3.2	7
12	Genomics of rapid ecological divergence and parallel adaptation in four tidal marsh sparrows. <i>Evolution Letters</i> , 2019, 3, 324-338.	3.3	31
13	Adaptive responses of animals to climate change are most likely insufficient. <i>Nature Communications</i> , 2019, 10, 3109.	12.8	285
14	Vertebrate biodiversity on indigenous-managed lands in Australia, Brazil, and Canada equals that in protected areas. <i>Environmental Science and Policy</i> , 2019, 101, 1-6.	4.9	192
15	Beyond canaries in coal mines: Co-occurrence of Andean mining concessions and migratory birds. <i>Perspectives in Ecology and Conservation</i> , 2019, 17, 151-156.	1.9	3
16	Individuals' expected genetic contributions to future generations, reproductive value, and short-term metrics of fitness in free-living song sparrows ( <i>Melospiza melodia</i> ). <i>Evolution Letters</i> , 2019, 3, 271-285.	3.3	28
17	Survival is negatively related to basal metabolic rate in tropical Andean birds. <i>Functional Ecology</i> , 2019, 33, 1436-1445.	3.6	21
18	Optimizing the conservation of migratory species over their full annual cycle. <i>Nature Communications</i> , 2019, 10, 1754.	12.8	58

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19	Predictors and consequences of earthworm invasion in a coastal archipelago. <i>Biological Invasions</i> , 2019, 21, 1833-1842.	2.4	4
20	Tradeoffs in the value of biodiversity feature and cost data in conservation prioritization. <i>Scientific Reports</i> , 2019, 9, 15921.	3.3	13
21	Testing predictions of inclusive fitness theory in inbreeding relatives with biparental care. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191933.	2.6	6
22	No evidence of inbreeding depression in sperm performance traits in wild song sparrows. <i>Ecology and Evolution</i> , 2018, 8, 1842-1852.	1.9	7
23	Demographic consequences of invasion by a native, controphic competitor to an insular bird population. <i>Oecologia</i> , 2018, 187, 155-165.	2.0	6
24	The Consequences of Polyandry for Sibship Structures, Distributions of Relationships and Relatedness, and Potential for Inbreeding in a Wild Population. <i>American Naturalist</i> , 2018, 191, 638-657.	2.1	9
25	Spatial variation in herbivory, climate and isolation predicts plant height and fruit phenotype in <i>Plectritis congesta</i> populations on islands. <i>Journal of Ecology</i> , 2018, 106, 2344-2352.	4.0	4
26	Temporal variation in the effects of individual and environmental factors on nest success. <i>Auk</i> , 2018, 135, 326-341.	1.4	7
27	Demography of Sooty Fox Sparrows ( <i>Passerella unalaschensis</i> ) following a shift from a migratory to resident life history. <i>Canadian Journal of Zoology</i> , 2018, 96, 436-440.	1.0	6
28	Tax Shifting and Incentives for Biodiversity Conservation on Private Lands. <i>Conservation Letters</i> , 2018, 11, e12377.	5.7	14
29	Adult survival and reproductive rate are linked to habitat preference in territorial, year-round resident Song Sparrows <i>Melospiza melodia</i> . <i>Ibis</i> , 2018, 160, 568-581.	1.9	6
30	Examination of context-dependent effects of natal traits on lifetime reproductive success using a long-term study of a temperate songbird. <i>Auk</i> , 2018, 135, 609-621.	1.4	2
31	Sex-specific additive genetic variances and correlations for fitness in a song sparrow ( <i>Melospiza</i> ) Tj ETQq1 1 0.784314 rgBT /Over Journal of Organic Evolution, 2018, 72, 2057-2075.	2.3	33
32	Purifying Selection in the Toll-Like Receptors of Song Sparrows <i>Melospiza melodia</i> . <i>Journal of Heredity</i> , 2018, 109, 501-509.	2.4	17
33	Individual fitness and the effects of a changing climate on the cessation and length of the breeding period using a 34-year study of a temperate songbird. <i>Global Change Biology</i> , 2018, 24, 1212-1223.	9.5	12
34	Pedigree-based inbreeding coefficient explains more variation in fitness than heterozygosity at 160 microsatellites in a wild bird population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162763.	2.6	37
35	Young females pay higher costs of reproduction in a short-lived bird. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	14
36	Age and years to death disparately influence reproductive allocation in a short-lived bird. <i>Ecology</i> , 2017, 98, 2248-2254.	3.2	22

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37	Projecting the performance of conservation interventions. <i>Biological Conservation</i> , 2017, 215, 142-151.	4.1	31
38	Release date influences first-year site fidelity and survival in captive-bred Vancouver Island marmots. <i>Ecosphere</i> , 2016, 7, e01314.	2.2	12
39	Direct and Indirect Interactions between Landscape Structure and Invasive or Overabundant Species. <i>Current Landscape Ecology Reports</i> , 2016, 1, 30-39.	2.2	23
40	Variation in parent-offspring kinship in socially monogamous systems with extra-pair reproduction and inbreeding. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1512-1529.	2.3	13
41	Direct and indirect genetic and fine-scale location effects on breeding date in song sparrows. <i>Journal of Animal Ecology</i> , 2016, 85, 1613-1624.	2.8	45
42	Additive genetic variance and effects of inbreeding, sex and age on heterophil to lymphocyte ratio in song sparrows. <i>Functional Ecology</i> , 2016, 30, 1185-1195.	3.6	9
43	A century of ecosystem change: human and seabird impacts on plant species extirpation and invasion on islands. <i>PeerJ</i> , 2016, 4, e2208.	2.0	8
44	Demographic mechanisms of inbreeding adjustment through extra-pair reproduction. <i>Journal of Animal Ecology</i> , 2015, 84, 1029-1040.	2.8	14
45	Double decomposition: decomposing the variance in subcomponents of male extra-pair reproductive success. <i>Journal of Animal Ecology</i> , 2015, 84, 1384-1395.	2.8	7
46	Human-Induced Long-Term Shifts in Gull Diet from Marine to Terrestrial Sources in North America's Coastal Pacific: More Evidence from More Isotopes ( $\delta^{13}C$ , $\delta^{15}N$ ). <i>Environmental Science &amp; Technology</i> , 2015, 49, 10834-10840.	10.0	28
47	Habitat preference facilitates successful early breeding in an open-cup nesting songbird. <i>Functional Ecology</i> , 2015, 29, 1522-1532.	3.6	27
48	Quantifying inbreeding avoidance through extra-pair reproduction. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 59-74.	2.3	43
49	Changing gull diet in a changing world: A 150-year stable isotope ( $\delta^{13}C$ ) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Global Change Biology, 2015, 21, 1497-1507.	9.5	67
50	Genetic Divergence of an Avian Endemic on the Californian Channel Islands. <i>PLoS ONE</i> , 2015, 10, e0134471.	2.5	9
51	Effects of disputes and easement violations on the cost-effectiveness of land conservation. <i>PeerJ</i> , 2015, 3, e1185.	2.0	3
52	Deer density and plant palatability predict shrub cover, richness, diversity and aboriginal food value in a North American archipelago. <i>Diversity and Distributions</i> , 2014, 20, 1368-1378.	4.1	25
53	PEDIGREE ERROR DUE TO EXTRA-PAIR REPRODUCTION SUBSTANTIALLY BIASES ESTIMATES OF INBREEDING DEPRESSION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 802-815.	2.3	50
54	FEMALE AND MALE GENETIC EFFECTS ON OFFSPRING PATERNITY: ADDITIVE GENETIC (CO)VARIANCES IN FEMALE EXTRA-PAIR REPRODUCTION AND MALE PATERNITY SUCCESS IN SONG SPARROWS ( $\delta^{13}C$ ) Tj ETQq0 0 0.22rgBT/Over	2.3	0

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55	Distinguishing individual quality from habitat preference and quality in a territorial passerine. <i>Ecology</i> , 2014, 95, 436-445.	3.2	46
56	Bird Community Conservation and Carbon Offsets in Western North America. <i>PLoS ONE</i> , 2014, 9, e99292.	2.5	7
57	Human Influence and Classical Biogeographic Predictors of Rare Species Occurrence. <i>Conservation Biology</i> , 2013, 27, 417-421.	4.7	27
58	Prior information reduces uncertainty about the consequences of deer overabundance on forest birds. <i>Biological Conservation</i> , 2013, 165, 10-17.	4.1	9
59	Describing avifaunal richness with functional and structural bioindicators derived from advanced airborne remotely sensed data. <i>International Journal of Remote Sensing</i> , 2013, 34, 2689-2713.	2.9	8
60	Using bird species community occurrence to prioritize forests for old growth restoration. <i>Ecography</i> , 2013, 36, 499-507.	4.5	22
61	Decomposing variation in male reproductive success: age-specific variances and covariances through extra-pair and within-pair reproduction. <i>Journal of Animal Ecology</i> , 2013, 82, 872-883.	2.8	15
62	Abundance, rarity and invasion debt among exotic species in a patchy ecosystem. <i>Biological Invasions</i> , 2013, 15, 707-716.	2.4	35
63	Citizen Science Reveals an Extensive Shift in the Winter Distribution of Migratory Western Grebes. <i>PLoS ONE</i> , 2013, 8, e65408.	2.5	44
64	Loss of Mhc and Neutral Variation in Peary Caribou: Genetic Drift Is Not Mitigated by Balancing Selection or Exacerbated by Mhc Allele Distributions. <i>PLoS ONE</i> , 2012, 7, e36748.	2.5	25
65	Offspring fitness varies with parental extra-pair status in song sparrows, <i>Melospiza melodia</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4078-4086.	2.6	0
66	Native versus exotic community patterns across three scales: Roles of competition, environment and incomplete invasion. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2012, 14, 381-392.	2.7	27
67	Are There Indirect Fitness Benefits of Female Extra-Pair Reproduction? Lifetime Reproductive Success of Within-Pair and Extra-Pair Offspring. <i>American Naturalist</i> , 2012, 179, 779-793.	2.1	56
68	EXTRA-PAIR PATERNITY AND THE VARIANCE IN MALE FITNESS IN SONG SPARROWS ( <i>MELOSPIZA</i> )	2.8	40
69	Avian dispersal of exotic shrubs in an archipelago. <i>Ecoscience</i> , 2011, 18, 369-374.	1.4	8
70	Stable isotopes reveal strategic allocation of resources during juvenile development in a cryptic and threatened seabird, the Marbled Murrelet ( <i>Brachyramphus aemarmoratus</i> ). <i>Canadian Journal of Zoology</i> , 2011, 89, 859-868.	1.0	10
71	Browsing down our natural heritage: Deer impacts on vegetation structure and songbird populations across an island archipelago. <i>Biological Conservation</i> , 2011, 144, 459-469.	4.1	79
72	Disentangling the effect of genes, the environment and chance on sex ratio variation in a wild bird population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2996-3002.	2.6	48

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73	Micro-spatial genetic structure in song sparrows ( <i>Melospiza melodia</i> ). <i>Conservation Genetics</i> , 2011, 12, 213-222.	1.5	17
74	Additive Genetic Variance, Heritability, and Inbreeding Depression in Male Extra-Pair Reproductive Success. <i>American Naturalist</i> , 2011, 177, 177-187.	2.1	61
75	Heritability of female extra-pair paternity rate in song sparrows ( <i>Melospiza melodia</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1114-1120.	2.6	42
76	Sex-specific differential survival of extra-pair and within-pair offspring in song sparrows, <i>Melospiza melodia</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3251-3259.	2.6	27
77	Comprehensive paternity assignment: genotype, spatial location and social status in song sparrows, <i>Melospiza Melodia</i> . <i>Molecular Ecology</i> , 2010, 19, 4352-4364.	3.9	81
78	Inbreeding coefficient and heterozygosity-fitness correlations in unhatched and hatched song sparrow nestmates. <i>Molecular Ecology</i> , 2010, 19, 4454-4461.	3.9	39
79	The effects of including marine ecological values in terrestrial reserve planning for a forest-nesting seabird. <i>Biological Conservation</i> , 2010, 143, 1299-1303.	4.1	27
80	Effects of introduced Canada geese ( <i>Branta canadensis</i> ) on native plant communities of the Southern Gulf Islands, British Columbia. <i>Ecoscience</i> , 2010, 17, 394-399.	1.4	10
81	Exotic herbivores directly facilitate the exotic grasses they graze: mechanisms for an unexpected positive feedback between invaders. <i>Oecologia</i> , 2009, 159, 139-150.	2.0	47
82	Estimating the annual number of breeding attempts from breeding dates using mixture models. <i>Ecology Letters</i> , 2009, 12, 1184-1193.	6.4	21
83	Sensitivity Analyses of Spatial Population Viability Analysis Models for Species at Risk and Habitat Conservation Planning. <i>Conservation Biology</i> , 2009, 23, 225-229.	4.7	55
84	Influential factors for natal dispersal in an avian island metapopulation. <i>Journal of Avian Biology</i> , 2008, 39, 341-347.	1.2	43
85	Consequences of parasite invasion and land use on the spatial dynamics of host populations. <i>Journal of Applied Ecology</i> , 2008, 45, 1180-1188.	4.0	21
86	Polyandry and Sex Ratio in the Song Sparrow. <i>Wilson Journal of Ornithology</i> , 2008, 120, 395-398.	0.2	8
87	CONCORDANT AND DISCORDANT SIGNALS BETWEEN GENETIC DATA AND DESCRIBED SUBSPECIES OF PACIFIC COAST SONG SPARROWS. <i>Condor</i> , 2008, 110, 359-364.	1.6	20
88	HERBIVORY MORE LIMITING THAN COMPETITION ON EARLY AND ESTABLISHED NATIVE PLANTS IN AN INVADDED MEADOW. <i>Ecology</i> , 2008, 89, 3282-3289.	3.2	48
89	Inbreeding effects on immune response in free-living song sparrows ( <i>Melospiza melodia</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 697-706.	2.6	64
90	Breeding experience and population density affect the ability of a songbird to respond to future climate variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2539-2545.	2.6	57

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91	Robust predictions of species distribution: Spatial habitat models for a brood parasite. <i>Biological Conservation</i> , 2007, 140, 259-272.	4.1	25
92	Optimal Conservation of Migratory Species. <i>PLoS ONE</i> , 2007, 2, e751.	2.5	292
93	Diet reconstruction and historic population dynamics in a threatened seabird. <i>Journal of Applied Ecology</i> , 2007, 44, 875-884.	4.0	76
94	A population-viability-based risk assessment of Marbled Murrelet nesting habitat policy in British Columbia. <i>Canadian Journal of Forest Research</i> , 2006, 36, 3075-3086.	1.7	18
95	Extra-pair fertilization and effective population size in the song sparrow <i>Melospiza melodia</i> . <i>Journal of Avian Biology</i> , 2006, 37, 572-578.	1.2	29
96	Long-term maternal effect on offspring immune response in song sparrows <i>Melospiza melodia</i> . <i>Biology Letters</i> , 2006, 2, 573-576.	2.3	47
97	Nest Depredation, Brood Parasitism, and Reproductive Variation in Island Populations of Song Sparrows ( <i>Melospiza Melodia</i> ). <i>Auk</i> , 2006, 123, 784-794.	1.4	11
98	NEST DEPREDATION, BROOD PARASITISM, AND REPRODUCTIVE VARIATION IN ISLAND POPULATIONS OF SONG SPARROWS ( <i>MELOSPIZA MELODIA</i> ). <i>Auk</i> , 2006, 123, 784.	1.4	13
99	Effective Enforcement in a Conservation Area. <i>Science</i> , 2006, 314, 1266-1266.	12.6	270
100	Hamilton and Zuk meet heterozygosity? Song repertoire size indicates inbreeding and immunity in song sparrows ( <i>Melospiza melodia</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 481-487.	2.6	101
101	Song repertoire size predicts initial mating success in male song sparrows, <i>Melospiza melodia</i> . <i>Animal Behaviour</i> , 2004, 68, 1055-1063.	1.9	109
102	Bushmeat Hunting, Wildlife Declines, and Fish Supply in West Africa. <i>Science</i> , 2004, 306, 1180-1183.	12.6	490
103	Strategic reserve design in the central coast of British Columbia: integrating ecological and industrial goals. <i>Canadian Journal of Forest Research</i> , 2003, 33, 2129-2140.	1.7	17
104	El Nino drives timing of breeding but not population growth in the song sparrow ( <i>Melospiza</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 11139-11142.	7.1	74
105	Subspecific Differentiation and Conservation of Song Sparrows ( <i>Melospiza Melodia</i> ) in the San Francisco Bay Region Inferred by Microsatellite Loci Analysis. <i>Auk</i> , 2002, 119, 641-657.	1.4	39
106	HETEROSIS AND OUTBREEDING DEPRESSION IN DESCENDANTS OF NATURAL IMMIGRANTS TO AN INBRED POPULATION OF SONG SPARROWS ( <i>MELOSPIZA MELODIA</i> ). <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 131-142.	2.3	135
107	Song Sparrow ( <i>Melospiza melodia</i> ). , 2002, , .		56
108	Bayesian meta-analysis of demographic parameters in three small, temperate passerines. <i>Oikos</i> , 2000, 88, 273-281.	2.7	19

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109	WHAT DETERMINES PHENOLOGY AND SYNCHRONY OF UNGULATE BREEDING IN SERENGETI?. <i>Ecology</i> , 2000, 81, 2100-2111.	3.2	129
110	Phylogenetic analysis of coadaptation in behavior, diet, and body size in the African antelope. <i>Behavioral Ecology</i> , 2000, 11, 452-463.	2.2	138
111	Scent marking in a territorial African antelope: I. The maintenance of borders between male oribi. <i>Animal Behaviour</i> , 1999, 57, 1-10.	1.9	75
112	Scent marking in a territorial African antelope: II. The economics of marking with faeces. <i>Animal Behaviour</i> , 1999, 57, 11-17.	1.9	90
113	Effect of auxiliary males on territory ownership in the oribi and the attributes of multimale groups. <i>Animal Behaviour</i> , 1999, 57, 61-71.	1.9	20
114	A metapopulation approach to the population biology of the Song Sparrow <i>Melospiza melodia</i> . <i>Ibis</i> , 1996, 138, 120-128.	1.9	49
115	Are Integrated Conservation-Development Projects (ICDPs) Sustainable? On the conservation of large mammals in sub-Saharan Africa. <i>World Development</i> , 1995, 23, 1073-1084.	4.9	231
116	Brown-Headed Cowbirds and an Island Population of Song Sparrows: A 16-Year Study. <i>Condor</i> , 1994, 96, 916-934.	1.6	78
117	Selection against inbred song sparrows during a natural population bottleneck. <i>Nature</i> , 1994, 372, 356-357.	27.8	387
118	Harem size and horn symmetry in oribi. <i>Animal Behaviour</i> , 1994, 48, 1485-1488.	1.9	32
119	Stability, Regulation, and the Determination of Abundance in an Insular Song Sparrow Population. <i>Ecology</i> , 1992, 73, 805-822.	3.2	183
120	Growth, size and the timing of births in an individually identified population of oribi. <i>African Journal of Ecology</i> , 1991, 29, 340-352.	0.9	17
121	Territory acquisition and loss in male song sparrows. <i>Animal Behaviour</i> , 1989, 37, 45-55.	1.9	118
122	Repertoire size, territory acquisition and reproductive success in the song sparrow. <i>Animal Behaviour</i> , 1989, 37, 266-273.	1.9	144
123	Intrasexual competition and the mating system in primarily monogamous birds: the case of the song sparrow. <i>Animal Behaviour</i> , 1989, 38, 96-111.	1.9	71
124	Intrasexual competition, mating system and natal dispersal in song sparrows. <i>Animal Behaviour</i> , 1989, 38, 958-979.	1.9	175
125	How Fit are Floaters? Consequences of Alternative Territorial Behaviors in a Nonmigratory Sparrow. <i>American Naturalist</i> , 1989, 133, 830-845.	2.1	98
126	Effects of Population Density and Supplemental Food on Reproduction in Song Sparrows. <i>Journal of Animal Ecology</i> , 1988, 57, 119.	2.8	407



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127	The Form and Function of Song in Female Song Sparrows. <i>Condor</i> , 1988, 90, 44-50.	1.6	95
128	Age, intrusion pressure and defence against floaters by territorial male song sparrows. <i>Animal Behaviour</i> , 1987, 35, 773-784.	1.9	144
129	Improving Estimates of Dominance Based on Ratios. <i>Condor</i> , 1986, 88, 106.	1.6	3
130	Age, experience, and enemy recognition by wild song sparrows. <i>Behavioral Ecology and Sociobiology</i> , 1984, 14, 101-106.	1.4	114