Jon E Brommer

List of Publications by Year
in descending order

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Version: 2024-02-01

129	6,125	81900	82547
papers	citations	39 h-index	72 g-index

132	132	132	5959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The evolutionary ecology of individual phenotypic plasticity in wild populations. Journal of Evolutionary Biology, 2007, 20, 831-844.	1.7	719
2	Senescence rates are determined by ranking on the fastâ€“slow lifeâ€history continuum. Ecology Letters, 2008, 11, 664-673.	6.4	317
3	Europe-Wide Dampening of Population Cycles in Keystone Herbivores. Science, 2013, 340, 63-66.	12.6	214
4	Climate change drives microevolution in a wild bird. Nature Communications, 2011, 2, 208.	12.8	192
5	Testing the genetics underlying the co-evolution of mate choice and ornament in the wild. Nature, 2006, 441, 84-86.	27.8	179
6	Generation time and temporal scaling of bird population dynamics. Nature, 2005, 436, 99-102.	27.8	172
7	Whither Pst? The approximation of Qst by Pst in evolutionary and conservation biology. Journal of Evolutionary Biology, 2011, 24, 1160-1168.	1.7	161
8	Singleâ€Generation Estimates of Individual Fitness as Proxies for Longâ€Term Genetic Contribution. American Naturalist, 2004, 163, 505-517.	2.1	147
9	NATURAL SELECTION AND GENETIC VARIATION FOR REPRODUCTIVE REACTION NORMS IN A WILD BIRD POPULATION. Evolution; International Journal of Organic Evolution, 2005, 59, 1362-1371.	2.3	145
10	The evolution of fitness in life-history theory. Biological Reviews, 2000, 75, 377-404.	10.4	132
11	Immunocompetence and its costs during development: an experimental study in blue tit nestlings. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S110-3.	2.6	127
12	Reproductive timing and individual fitness. Ecology Letters, 2002, 5, 802-810.	6.4	121
13	Exploring plasticity in the wild: laying dateâ€“temperature reaction norms in the common gull Larus canus. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 687-693.	2.6	116
14	The Intersexual Genetic Correlation for Lifetime Fitness in the Wild and Its Implications for Sexual Selection. PLoS ONE, 2007, 2, e744.	2.5	115
15	Quantitative genetics of behavioural reaction norms: genetic correlations between personality and behavioural plasticity vary across stickleback populations. Journal of Evolutionary Biology, 2012, 25, 485-496.	1.7	108
16	Aggressive Ural owl mothers recruit more offspring. Behavioral Ecology, 2009, 20, 789-796.	2.2	103
17	On between-individual and residual (co)variances in the study of animal personality: are you willing to take the â€œindividual gambitâ€?. Behavioral Ecology and Sociobiology, 2013, 67, 1027-1032.	1.4	101
18	Movement of the Apollo butterfly Parnassius apollo related to host plant and nectar plant patches. Ecological Entomology, 1999, 24, 125-131.	2.2	94

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19	â€œHIDDENâ€•REPRODUCTIVE CONFLICT BETWEEN MATES IN A WILD BIRD POPULATION. Evolution; International Journal of Organic Evolution, 2008, 62, 2326-2333.	2.3	86
20	The effect of age at first breeding on Ural owl lifetime reproductive success and fitness under cyclic food conditions. Journal of Animal Ecology, 1998, 67, 359-369.	2.8	83
21	The colour of fitness: plumage coloration and lifetime reproductive success in the tawny owl. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 935-940.	2.6	78
22	The Breeding Ranges of Central European and Arctic Bird Species Move Poleward. PLoS ONE, 2012, 7, e43648.	2.5	78
23	Demographic routes to variability and regulation in bird populations. Nature Communications, 2016, 7, 12001.	12.8	74
24	Exploring the Genetics of Aging in a Wild Passerine Bird. American Naturalist, 2007, 170, 643-650.	2.1	73
25	Ural owl sex allocation and parental investment under poor food conditions. Oecologia, 2003, 137, 140-147.	2.0	71
26	Reproductive Effort and Reproductive Values in Periodic Environments. American Naturalist, 2000, 155, 454-472.	2.1	66
27	Population dynamics in a cyclic environment: consequences of cyclic food abundance on tawny owl reproduction and survival. Journal of Animal Ecology, 2009, 78, 1050-1062.	2.8	64
28	The return of the vole cycle in southern Finland refutes the generality of the loss of cycles through â€˜climatic forcingâ€™. Global Change Biology, 2010, 16, 577-586.	9.5	64
29	TIME TO EXTINCTION OF BIRD POPULATIONS. Ecology, 2005, 86, 693-700.	3.2	61
30	Phenotypic plasticity of labile traits in the wild. Environmental Epigenetics, 2013, 59, 485-505.	1.8	59
31	Exploring the genetics of nestling personality traits in a wild passerine bird: testing the phenotypic gambit. Ecology and Evolution, 2012, 2, 3032-3044.	1.9	57
32	Context-specific repeatability of personality traits in a wild bird: a reaction-norm perspective. Behavioral Ecology, 2013, 24, 650-658.	2.2	56
33	Low genetic differentiation in a sedentary bird: house sparrow population genetics in a contiguous landscape. Heredity, 2011, 106, 183-190.	2.6	55
34	Testing for between individual correlations of personality and physiological traits in a wild bird. Behavioral Ecology and Sociobiology, 2014, 68, 205-213.	1.4	53
35	Variation in plasticity of personality traits implies that the ranking of personality measures changes between environmental contexts: calculating the cross-environmental correlation. Behavioral Ecology and Sociobiology, 2013, 67, 1709-1718.	1.4	48
36	Consequences of the spatial configuration of resources for the distribution and dynamics of the endangered Parnassius apollo butterfly. Biological Conservation, 2006, 130, 183-192.	4.1	47

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37	Is extrapair mating random? On the probability distribution of extrapair young in avian broods. Behavioral Ecology, 2007, 18, 895-904.	2.2	42
38	Maternal effects on offspring Igs and egg size in relation to natural and experimentally improved food supply. Functional Ecology, 2008, 22, 682-690.	3.6	41
39	A sex-specific behavioral syndrome in a wild passerine. Behavioral Ecology, 2014, 25, 359-367.	2.2	41
40	Reproduction and Survival in a Variable Environment: Ural Owls (Strix Uralensis) and the Three-Year Vole Cycle. Auk, 2002, 119, 544-550.	1.4	40
41	A simple cage test captures intrinsic differences in aspects of personality across individuals in a passerine bird. Animal Behaviour, 2012, 84, 279-287.	1.9	39
42	Natural selection and genetic variation for reproductive reaction norms in a wild bird population. Evolution; International Journal of Organic Evolution, 2005, 59, 1362-71.	2.3	39
43	Residual correlations, and not individual properties, determine a nest defense boldness syndrome. Behavioral Ecology, 2014, 25, 802-812.	2.2	37
44	Senescence of personality in a wild bird. Behavioral Ecology and Sociobiology, 2016, 70, 733-744.	1.4	34
45	Evolutionary dynamics in response to climate change. , 2014, , 254-274.		34
46	REPRODUCTION AND SURVIVAL IN A VARIABLE ENVIRONMENT: URAL OWLS (STRIX URALENSIS) AND THE THREE-YEAR VOLE CYCLE. Auk, 2002, 119, 544.	1.4	34
47	The importance of genotype-by-age interactions for the development of repeatable behavior and correlated behaviors over lifetime. Frontiers in Zoology, 2015, 12, S2.	2.0	33
48	Heterozygosity in an Isolated Population of a Large Mammal Founded by Four Individuals Is Predicted by an Individual-Based Genetic Model. PLoS ONE, 2012, 7, e43482.	2.5	33
49	Nestling immune response to phytohaemagglutinin is not heritable in collared flycatchers. Biology Letters, 2007, 3, 418-421.	2.3	32
50	Range margin shifts of birds revisited â€“ the role of spatiotemporally varying survey effort. Global Change Biology, 2013, 19, 420-430.	9.5	32
51	Demographic measures of an individualâ€™s â€œpace of lifeâ€• fecundity rate, lifespan, generation time, or a composite variable?. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	32
52	Passerine Extrapair Mating Dynamics: A Bayesian Modeling Approach Comparing Four Species. American Naturalist, 2010, 176, 178-187.	2.1	31
53	Increased genetic differentiation in house sparrows after a strong population decline: From panmixia towards structure in a common bird. Biological Conservation, 2011, 144, 2931-2940.	4.1	31
54	A strong genetic correlation underlying a behavioural syndrome disappears during development because of genotypeâ€“age interactions. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142777.	2.6	31

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55	Withinâ€season changes in habitat use of forestâ€dwelling boreal bats. Ecology and Evolution, 2020, 10, 4164-4174.	1.9	31
56	Supplementary fed Ural owls increase their reproductive output with a one year time lag. Oecologia, 2004, 139, 354-358.	2.0	30
57	A statistical methodology for estimating assortative mating for phenotypic traits that are labile or measured with error. Methods in Ecology and Evolution, 2017, 8, 1910-1919.	5.2	30
58	Body Size and Immune Defense of Nestling Blue Tits (Cyanistes caeruleus) in Response to Manipulation of Ectoparasites and Food Supply. Auk, 2011, 128, 556-563.	1.4	29
59	Blood parasites mediate morph-specific maintenance costs in a colour polymorphic wild bird. Journal of Evolutionary Biology, 2011, 24, 1783-1792.	1.7	29
60	Tawny owl reproduction and offspring sex ratios under variable food conditions. Journal of Ornithology, 2008, 149, 59-66.	1.1	27
61	Evolutionary quantitative genetics of behavioral responses to handling in a wild passerine. Ecology and Evolution, 2014, 4, 427-440.	1.9	27
62	Selection on plasticity of seasonal lifeâ€history traits using random regression mixed model analysis. Ecology and Evolution, 2012, 2, 695-704.	1.9	26
63	Exploring patterns of variation in clutch sizeâ€“density reaction norms in a wild passerine bird. Journal of Evolutionary Biology, 2013, 26, 2031-2043.	1.7	26
64	Latitudinal variation in breeding time reaction norms in a passerine bird. Journal of Animal Ecology, 2010, 79, 836-842.	2.8	25
65	The rate of ageing in a long-lived bird is not heritable. Heredity, 2010, 104, 363-370.	2.6	25
66	Adjusting the timing of hatching to changing environmental conditions has fitness costs in blue tits. Behavioral Ecology and Sociobiology, 2011, 65, 2091-2103.	1.4	24
67	Title is missing!. Journal of Insect Conservation, 2003, 7, 85-98.	1.4	23
68	Sympatric divergence and clinal variation in multiple coloration traits of <scp>F</scp>icedula flycatchers. Journal of Evolutionary Biology, 2015, 28, 779-790.	1.7	23
69	The quantitative genetics of senescence in wild animals. , 2014, , 68-83.		23
70	Size differentiation in <scp>F</scp>innish house sparrows follows <scp>B</scp>ergmann's rule with evidence of local adaptation. Journal of Evolutionary Biology, 2014, 27, 737-747.	1.7	21
71	Phenotypic correlations capture between-individual correlations underlying behavioral syndromes. Behavioral Ecology and Sociobiology, 2017, 71, 1.	1.4	21
72	Bats and Wind Farms: The Role and Importance of the Baltic Sea Countries in the European Context of Power Transition and Biodiversity Conservation. Environmental Science & Technology, 2020, 54, 10385-10398.	10.0	21

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73	Parental allocation of additional food to own health and offspring growth in a variable environment. Canadian Journal of Zoology, 2009, 87, 8-19.	1.0	20
74	Experimental manipulation shows that the white wing patch in collared flycatchers is a male sexual ornament. Ecology and Evolution, 2011, 1, 546-555.	1.9	20
75	INTERACTIONS BETWEEN GENOTYPE AND SEXUAL CONFLICT ENVIRONMENT INFLUENCE TRANSGENERATIONAL FITNESS IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2012, 66, 517-531.	2.3	20
76	Low heritability of nest construction in a wild bird. Biology Letters, 2017, 13, 20170246.	2.3	20
77	Scale and seasonal sex-ratio trends in northern goshawk Accipiter gentilis broods. Journal of Avian Biology, 2002, 33, 399-406.	1.2	19
78	Heritability, plasticity and canalization of Ural owl egg size in a cyclic environment. Journal of Evolutionary Biology, 2008, 21, 88-96.	1.7	19
79	Quantitative genetic analysis of responses to larval food limitation in a polyphenic butterfly indicates environmentâ€•and traitâ€specific effects. Ecology and Evolution, 2013, 3, 3576-3589.	1.9	19
80	Dissecting direct and indirect parental effects on reproduction in a wild bird of prey: dad affects when but not how much. Behavioral Ecology and Sociobiology, 2015, 69, 293-302.	1.4	18
81	Immigration ensures population survival in the <scp>S</scp>iberian flying squirrel. Ecology and Evolution, 2017, 7, 1858-1868.	1.9	18
82	Benefits of protected areas for nonbreeding waterbirds adjusting their distributions under climate warming. Conservation Biology, 2021, 35, 834-845.	4.7	18
83	Life-history consequences of partial-moult asymmetry. Journal of Animal Ecology, 2003, 72, 1057-1063.	2.8	16
84	Using heterozygosityâ€“fitness correlations to study inbreeding depression in an isolated population of whiteâ€tailed deer founded by few individuals. Ecology and Evolution, 2015, 5, 357-367.	1.9	16
85	Population dynamics of two beaver species in Finland inferred from citizenâ€science census data. Ecosphere, 2017, 8, e01947.	2.2	16
86	Brown tawny owls moult more flight feathers than grey ones. Journal of Avian Biology, 2013, 44, 235-244.	1.2	16
87	Cyclic variation in seasonal recruitment and the evolution of the seasonal decline in Ural owl clutch size. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 647-654.	2.6	15
88	Morphometric differentiation across <scp>H</scp>ouse <scp>S</scp>parrow <scp>P</scp>asser domesticus populations in <scp>F</scp>inland in comparison with the neutral expectation for divergence. Ibis, 2012, 154, 846-857.	1.9	15
89	Shared environmental effects bias phenotypic estimates of assortative mating in a wild bird. Biology Letters, 2018, 14, 20180106.	2.3	15
90	Can dominance genetic variance be ignored in evolutionary quantitative genetic analyses of wild populations?. Evolution; International Journal of Organic Evolution, 2020, 74, 1540-1550.	2.3	15

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91	Hatching asynchrony is an individual property of female Ural owls which improves nestling survival. Behavioral Ecology, 2010, 21, 722-729.	2.2	14
92	Species and abundance of ectoparasitic flies (Diptera) in pied flycatcher nests in Fennoscandia. Parasites and Vectors, 2015, 8, 648.	2.5	14
93	Fledging Mass Is Color Morph Specific and Affects Local Recruitment in a Wild Bird. American Naturalist, 2020, 196, 609-619.	2.1	14
94	Environmental correlates of annual survival differ between two ecologically similar and congeneric owls. Ibis, 2013, 155, 823-834.	1.9	13
95	Exploratory behavior undergoes genotypeâ€“age interactions in a wild bird. Ecology and Evolution, 2019, 9, 8987-8994.	1.9	13
96	Costs and Benefits of Experimentally Induced Changes in the Allocation of Growth versus Immune Function under Differential Exposure to Ectoparasites. PLoS ONE, 2010, 5, e10814.	2.5	12
97	Olfaction and vision in host plant location by Parnassius apollo larvae: consequences for survival and dynamics. Animal Behaviour, 2010, 79, 313-320.	1.9	11
98	Using average autonomy to test whether behavioral syndromes constrain evolution. Behavioral Ecology and Sociobiology, 2014, 68, 691-700.	1.4	11
99	Proximity to windâ€power plants reduces the breeding success of the whiteâ€tailed eagle. Animal Conservation, 2016, 19, 265-272.	2.9	11
100	Growth and Age Structure in an Introduced and Hunted Cervid Population: White-Tailed Deer in Finland. Annales Zoologici Fennici, 2016, 53, 69-80.	0.6	10
101	Life-history trade-off in two predator species sharing the same prey: a study on cassava-inhabiting mites. Oikos, 2003, 102, 533-542.	2.7	9
102	Lining the nest with more feathers increases offspring recruitment probability: Selection on an extended phenotype in the blue tit. Ecology and Evolution, 2020, 10, 13327-13333.	1.9	9
103	A possible link between parasite defence and residual reproduction. Journal of Evolutionary Biology, 2007, 20, 2248-2252.	1.7	8
104	Resources influence dispersal and population structure in an endangered butterfly. Insect Conservation and Diversity, 2009, 2, 176-182.	3.0	8
105	Ural Owl Predation on Field Voles and Bank Voles by Size, Sex and Reproductive State. Annales Zoologici Fennici, 2010, 47, 90-98.	0.6	8
106	Evolutionary demography of agricultural expansion in preindustrial northern Finland. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141559.	2.6	8
107	Personality from the Perspective of Behavioral Ecology. , 2017, , 73-107.		8
108	Red squirrels decline in abundance in the boreal forests of Finland and NW Russia. Ecography, 2018, 41, 1370-1379.	4.5	8

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109	Accounting for possible detectable distances in a comparison of dispersal: Apollo dispersal in different habitats. Ecological Modelling, 2007, 209, 407-411.	2.5	7
110	Reducing the loss of genetic diversity associated with assisted colonization-like introductions of animals. Environmental Epigenetics, 2015, 61, 827-834.	1.8	7
111	Bergmann on the move: a temporal change in the latitudinal gradient in body mass of a wild passerine. Journal of Ornithology, 2015, 156, 1105-1112.	1.1	7
112	Cold winters have morph-specific effects on natal dispersal distance in a wild raptor. Behavioral Ecology, 2022, 33, 419-427.	2.2	7
113	Evolution of mate choice in the wild (Reply). Nature, 2006, 444, E16-E17.	27.8	6
114	Tail colour signals performance in blue tit nestlings. Journal of Evolutionary Biology, 2019, 32, 913-920.	1.7	6
115	Regime shift tipping point in hare population collapse associated with climatic and agricultural change during the very early 20th century. Global Change Biology, 2021, 27, 3732-3740.	9.5	6
116	Nest ornaments and feather composition form an extended phenotype syndrome in a wild bird. Behavioral Ecology and Sociobiology, 2020, 74, 1.	1.4	5
117	Protected area characteristics that help waterbirds respond to climate warming. Conservation Biology, 2022, 36, .	4.7	5
118	Assessing space use by pre-breeding white-tailed eagles in the context of wind-energy development in Finland. Landscape and Urban Planning, 2018, 177, 251-258.	7.5	4
119	Estimating Population Density of the White-Tailed Deer in Finland using Non-Invasive Genetic Sampling and Spatial Captureâ€“Recapture. Annales Zoologici Fennici, 2019, 56, 1.	0.6	4
120	NATURAL SELECTION AND GENETIC VARIATION FOR REPRODUCTIVE REACTION NORMS IN A WILD BIRD POPULATION. Evolution; International Journal of Organic Evolution, 2005, 59, 1362.	2.3	3
121	Senescence: Detecting an Evolutionary Fingerprint in Plants. Current Biology, 2014, 24, R267-R269.	3.9	3
122	More evidence is needed to show that heritability and selection are not associated. Nature Ecology and Evolution, 2019, 3, 1407-1407.	7.8	3
123	Structural equation modeling reveals decoupling of ecological and self-perceived outcomes in a garden box social-ecological system. Scientific Reports, 2022, 12, 6425.	3.3	3
124	Estimating preharvest density, adult sex ratio, and fecundity of whiteâ€tailed deer using noninvasive sampling techniques. Ecology and Evolution, 2021, 11, 14312-14326.	1.9	2
125	Large-scale spatial synchrony in red squirrel (Sciurus vulgaris) sex ratios. Journal of Mammalogy, 2016, 97, 744-752.	1.3	1
126	Habitat use by post-fledging white-tailed eagles shows avoidance of human infrastructure and agricultural areas. European Journal of Wildlife Research, 2021, 67, 1.	1.4	1

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127	White-Tailed Deer Odocoileus virginianus (Zimmermann, 1780). Handbook of the Mammals of Europe, 2022, , 1-12.	0.3	1
128	A strong decline of the endangered Apollo butterfly over 20Âyears in the archipelago of southern Finland. Journal of Insect Conservation, 2022, 26, 673-681.	1.4	1
129	All is well when right is like left and left is like right. Journal of Evolutionary Biology, 2004, 17, 471-472.	1.7	0