

Lukas F Keller

List of Publications by Year in descending order

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72
papers

4,976
citations

94433

37
h-index

98798

67
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78
all docs

78
docs citations

78
times ranked

5504
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
2	Are immigrants outbred and unrelated? Testing standard assumptions in a wild metapopulation. <i>Molecular Ecology</i> , 2021, 30, 5674-5686.	3.9	7
3	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	27.8	251
4	Purging of highly deleterious mutations through severe bottlenecks in Alpine ibex. <i>Nature Communications</i> , 2020, 11, 1001.	12.8	147
5	The simulation extrapolation technique meets ecology and evolution: A general and intuitive method to account for measurement error. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1734-1748.	5.2	7
6	Inbreeding reduces long-term growth of Alpine ibex populations. <i>Nature Ecology and Evolution</i> , 2019, 3, 1359-1364.	7.8	58
7	Animal models with group-specific additive genetic variances: extending genetic group models. <i>Genetics Selection Evolution</i> , 2019, 51, 7.	3.0	15
8	Nonequivalent lethal equivalents: Models and inbreeding metrics for unbiased estimation of inbreeding load. <i>Evolutionary Applications</i> , 2019, 12, 266-279.	3.1	43
9	Evidence for nonconsumptive effects from a large predator in an ungulate prey?. <i>Behavioral Ecology</i> , 2018, 29, 724-735.	2.2	26
10	Hunting-mediated predator facilitation and superadditive mortality in a European ungulate. <i>Ecology and Evolution</i> , 2018, 8, 109-119.	1.9	19
11	Population genomics analyses of European ibex species show lower diversity and higher inbreeding in reintroduced populations. <i>Evolutionary Applications</i> , 2018, 11, 123-139.	3.1	62
12	Resurrecting Darwin's Niata - anatomical, biomechanical, genetic, and morphometric studies of morphological novelty in cattle. <i>Scientific Reports</i> , 2018, 8, 9129.	3.3	12
13	Heritability, selection, and the response to selection in the presence of phenotypic measurement error: Effects, cures, and the role of repeated measurements. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1992-2004.	2.3	26
14	Sex-specific additive genetic variances and correlations for fitness in a song sparrow (<i>Melospiza</i>). <i>Journal of Organic Evolution</i> , 2018, 72, 2057-2075.	2.3	33
15	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
16	A landscape of coexistence for a large predator in a human dominated landscape. <i>Oikos</i> , 2017, 126, 1389-1399.	2.7	48
17	Modelling different reintroduction strategies for the critically endangered Floreana mockingbird. <i>Animal Conservation</i> , 2017, 20, 144-154.	2.9	5
18	Balancing selection and genetic drift create unusual patterns of MHCII variation in Galapagos mockingbirds. <i>Molecular Ecology</i> , 2016, 25, 4757-4772.	3.9	17

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19	Marginal or conditional regression models for correlated non-normal data?. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1514-1524.	5.2	30
20	Resolving the conundrum of inbreeding depression but no inbreeding avoidance: Estimating sex-specific selection on inbreeding by song sparrows (<i>Melospiza melodia</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2846-2861.	2.3	19
21	A microsatellite-based linkage map for song sparrows (<i>Melospiza melodia</i>). <i>Molecular Ecology Resources</i> , 2015, 15, 1486-1496.	4.8	31
22	Mother-offspring and nest-mate resemblance but no heritability in early-life telomere length in white-throated dippers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142924.	2.6	36
23	Reverse attenuation in interaction terms due to covariate measurement error. <i>Biometrical Journal</i> , 2015, 57, 1068-1083.	1.0	12
24	Quantifying inbreeding avoidance through extra-pair reproduction. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 59-74.	2.3	43
25	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
26	FEMALE AND MALE GENETIC EFFECTS ON OFFSPRING PATERNITY: ADDITIVE GENETIC (CO)VARIANCES IN FEMALE EXTRA-PAIR REPRODUCTION AND MALE PATERNITY SUCCESS IN SONG SPARROWS (<i>MELOSPIZA</i>) $T_j = T_{j-1} + \frac{1}{2} \frac{r_{j-1}^2}{1 - r_{j-1}^2}$	2.3	40
27	The effect of trait type and strength of selection on heritability and evolvability in an island bird population. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3325-3336.	2.3	33
28	Dominance genetic variance and inbreeding in natural populations. , 2014, , 104-127.		46
29	Hybrid ancestry of an island subspecies of Galapagos mockingbird explains discordant gene trees. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 581-592.	2.7	14
30	Genetic variation depends more on admixture than number of founders in reintroduced Alpine ibex populations. <i>Biological Conservation</i> , 2012, 147, 197-203.	4.1	42
31	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
32	Microsatellite-based genotyping of MHC class II DRB1 gene in Iberian and Alpine ibex. <i>European Journal of Wildlife Research</i> , 2012, 58, 743-748.	1.4	14
33	EXTRA-PAIR PATERNITY AND THE VARIANCE IN MALE FITNESS IN SONG SPARROWS (<i>MELOSPIZA</i>) $T_j = T_{j-1} + \frac{1}{2} \frac{r_{j-1}^2}{1 - r_{j-1}^2}$	2.3	40
34	Inbreeding, immune defence and ectoparasite load in different mockingbird populations and species in the Galapagos Islands. <i>Journal of Avian Biology</i> , 2012, 43, 423-434.	1.2	9
35	Male reproductive pattern in a polygynous ungulate with a slow life-history: the role of age, social status and alternative mating tactics. <i>Evolutionary Ecology</i> , 2012, 26, 187-206.	1.2	56
36	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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37	A hitchhikers guide to the Gal�pagos: co-phylogeography of Gal�pagos mockingbirds and their parasites. BMC Evolutionary Biology, 2011, 11, 284.	3.2	57
38	Quantifying fenbendazole and its metabolites in self-medicating wild red grouse <i>Lagopus lagopus scoticus</i> using an HPLC�MS�MS approach. Veterinary Parasitology, 2011, 177, 383-386.	1.8	7
39	Additive Genetic Variance, Heritability, and Inbreeding Depression in Male Extra-Pair Reproductive Success. American Naturalist, 2011, 177, 177-187.	2.1	61
40	Heritability of female extra-pair paternity rate in song sparrows (<i>Melospiza melodia</i>). Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1114-1120.	2.6	42
41	Sex-specific differential survival of extra-pair and within-pair offspring in song sparrows, <i>Melospiza melodia</i> . Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3251-3259.	2.6	27
42	CORRELATED INBREEDING AMONG RELATIVES: OCCURRENCE, MAGNITUDE, AND IMPLICATIONS. Evolution; International Journal of Organic Evolution, 2010, 64, 973-985.	2.3	37
43	Inbreeding in reintroduced populations: the effects of early reintroduction history and contemporary processes. Conservation Genetics, 2010, 11, 527-538.	1.5	47
44	Comprehensive paternity assignment: genotype, spatial location and social status in song sparrows, <i>Melospiza Melodia</i> . Molecular Ecology, 2010, 19, 4352-4364.	3.9	81
45	Inbreeding coefficient and heterozygosity-fitness correlations in unhatched and hatched song sparrow nestmates. Molecular Ecology, 2010, 19, 4454-4461.	3.9	39
46	Saving Darwin's muse: evolutionary genetics for the recovery of the Floreana mockingbird. Biology Letters, 2010, 6, 212-215.	2.3	16
47	Differentiation with drift: a spatio-temporal genetic analysis of Gal�pagos mockingbird populations (<i>Mimus</i> spp.). Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1127-1138.	4.0	57
48	A strong genetic footprint of the re�introduction history of Alpine ibex (<i>Capra ibex ibex</i>). Molecular Ecology, 2009, 18, 5046-5058.	3.9	79
49	Cross-Species Utility of Microsatellite Markers in Trichostrongyloid Nematodes. Journal of Parasitology, 2009, 95, 487-489.	0.7	10
50	Absence of three known benzimidazole resistance mutations in <i>Trichostrongylus tenuis</i> , a nematode parasite of avian hosts. Veterinary Parasitology, 2008, 158, 302-310.	1.8	10
51	INDIVIDUAL PHENOTYPE, KINSHIP, AND THE OCCURRENCE OF INBREEDING IN SONG SPARROWS. Evolution; International Journal of Organic Evolution, 2008, 62, 887-899.	2.3	17
52	Inbreeding and Loss of Genetic Variation in a Reintroduced Population of Mauritius Kestrel. Conservation Biology, 2008, 22, 395-404.	4.7	42
53	CONCORDANT AND DISCORDANT SIGNALS BETWEEN GENETIC DATA AND DESCRIBED SUBSPECIES OF PACIFIC COAST SONG SPARROWS. Condor, 2008, 110, 359-364.	1.6	20
54	Inbreeding effects on immune response in free-living song sparrows (<i>Melospiza melodia</i>). Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 697-706.	2.6	64

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55	Back to the future: museum specimens in population genetics. <i>Trends in Ecology and Evolution</i> , 2007, 22, 634-642.	8.7	508
56	Macrogeographic population structure in a parasitic nematode with avian hosts. <i>Veterinary Parasitology</i> , 2007, 144, 93-103.	1.8	18
57	Mate choice evolution, dominance effects, and the maintenance of genetic variation. <i>Journal of Theoretical Biology</i> , 2007, 244, 282-295.	1.7	34
58	VIRAL EPIZOOTIC REVEALS INBREEDING DEPRESSION IN A HABITUALLY INBREEDING MAMMAL. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2268-2273.	2.3	65
59	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
60	Abundant variation in microsatellites of the parasitic nematode <i>Trichostrongylus tenuis</i> and linkage to a tandem repeat. <i>Molecular and Biochemical Parasitology</i> , 2006, 148, 210-218.	1.1	43
61	Intrinsic Parent-Offspring Correlation in Inbreeding Level in a Song Sparrow (<i>Melospiza melodia</i>) Population Open to Immigration. <i>American Naturalist</i> , 2006, 168, 1-13.	2.1	147
62	Fitness Correlates of Song Repertoire Size in Free-Living Song Sparrows (<i>Melospiza melodia</i>). <i>American Naturalist</i> , 2005, 165, 299-310.	2.1	72
63	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
64	Inbreeding depresses immune response in song sparrows (<i>Melospiza melodia</i>): direct and inter-generational effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2151-2157.	2.6	124
65	HETEROISIS 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
66	ENVIRONMENTAL CONDITIONS AFFECT THE MAGNITUDE OF INBREEDING DEPRESSION IN SURVIVAL OF DARWIN'S FINCHES. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1229-1239.	2.3	190
67	Immigration and the ephemerality of a natural population bottleneck: evidence from molecular markers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1387-1394.	2.6	242
68	Heritability of morphological traits in Darwin's Finches: misidentified paternity and maternal effects. <i>Heredity</i> , 2001, 87, 325-336.	2.6	127
69	EFFECTS OF EL NIÑO EVENTS ON DARWIN'S FINCH PRODUCTIVITY. <i>Ecology</i> , 2000, 81, 2442-2457.	3.2	62
70	The foraging performance of great and blue tits (<i>Parus major</i> and <i>P. caeruleus</i>) in relation to caterpillar development, and its consequences for nestling growth and fledging weight. <i>Journal of Animal Ecology</i> , 1999, 68, 708-718.	2.8	250
71	Inbreeding and Its Fitness Effects in an Insular Population of Song Sparrows (<i>Melospiza melodia</i>). <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 240.	2.3	171
72	Selection against inbred song sparrows during a natural population bottleneck. <i>Nature</i> , 1994, 372, 356-357.	27.8	387