Gabriele Sorci

List of Publications by Year
in descending order

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129	8,269	36303	49909
papers	citations	51 h-index	87 g-index

132	132	132	6704
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Increasing helminth infection burden depauperates the diversity of the gut microbiota and alters its composition in mice. Current Research in Parasitology and Vector-borne Diseases, 2022, 2, 100082.	1.9	4
2	Paternal age negatively affects sperm production of the progeny. Ecology Letters, 2021, 24, 719-727.	6.4	14
3	Age reduces resistance and tolerance in malaria-infected mice. Infection, Genetics and Evolution, 2021, 88, 104698.	2.3	11
4	Immunology of Parasitism. , 2021, , .		0
5	Enforced monoandry over generations induces a reduction of female investment into reproduction in a promiscuous bird. Evolutionary Applications, 2021, 14, 2773-2783.	3.1	1
6	Explaining among-country variation in COVID-19 case fatality rate. Scientific Reports, 2020, 10, 18909.	3.3	204
7	Some Plant Defense Stimulators can induce IL-1Î² production in human immune cells in vitro. Toxicology Reports, 2020, 7, 413-420.	3.3	0
8	Disentangling the effect of host genetics and gut microbiota on resistance to an intestinal parasite. International Journal for Parasitology, 2019, 49, 873-883.	3.1	4
9	Early Plasmodiumâ€induced inflammation does not accelerate aging in mice. Evolutionary Applications, 2019, 12, 314-323.	3.1	3
10	Sperm competition accentuates selection on ejaculate attributes. Biology Letters, 2019, 15, 20180889.	2.3	11
11	Post-copulatory sexual selection allows females to alleviate the fitness costs incurred when mating with senescing males. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191675.	2.6	23
12	Development and optimization of a hybridization technique to type the classical class I and class II B genes of the chicken MHC. Immunogenetics, 2019, 71, 647-663.	2.4	8
13	Evolutionary Ecology: Evolution of Parasitism. , 2019, , 304-309.		3
14	Nlrp3 Gene Expression in Circulating Leukocytes Declines During Healthy Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1045-1049.	3.6	4
15	The macroecology of cancer incidences in humans is associated with large-scale assemblages of endemic infections. Infection, Genetics and Evolution, 2018, 61, 189-196.	2.3	1
16	No evidence for prezygotic postcopulatory avoidance of kin despite high inbreeding depression. Molecular Ecology, 2018, 27, 5252-5262.	3.9	7
17	Age-related response to an acute innate immune challenge in mice: proteomics reveals a telomere maintenance-related cost. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181877.	2.6	10
18	Early life infection and host senescence. Experimental Gerontology, 2018, 114, 19-26.	2.8	3

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19	Aging parasites produce offspring with poor fitness prospects. Biology Letters, 2017, 13, 20160888.	2.3	14
20	Microevolutionary response of a gut nematode to intestinal inflammation. International Journal for Parasitology, 2017, 47, 617-623.	3.1	5
21	Life history adjustments to intestinal inflammation in a gut nematode. Journal of Experimental Biology, 2017, 220, 3724-3732.	1.7	1
22	Benefits of immune protection versus immunopathology costs: A synthesis from cytokine KO models. Infection, Genetics and Evolution, 2017, 54, 491-495.	2.3	10
23	Plastic and micro-evolutionary responses of a nematode to the host immune environment. Experimental Parasitology, 2017, 181, 14-22.	1.2	6
24	Infections and cancer: the â€œfifty shades of immunityâ€•hypothesis. BMC Cancer, 2017, 17, 257.	2.6	51
25	Cancer: A disease at the crossroads of tradeâ€•offs. Evolutionary Applications, 2017, 10, 215-225.	3.1	46
26	Reaction norms of host immunity, host fitness and parasite performance in a mouse â€“ intestinal nematode interaction. International Journal for Parasitology, 2016, 46, 133-140.	3.1	10
27	Microbes, Parasites and Immune Diseases. , 2016, , 211-223.		15
28	Helminth Interaction with the Host Immune System: Short-Term Benefits and Costs in Relation to the Infectious Environment. American Naturalist, 2016, 188, 253-263.	2.1	13
29	Differential proteomics reveals age-dependent liver oxidative costs of innate immune activation in mice. Journal of Proteomics, 2016, 135, 181-190.	2.4	7
30	Genetic structure in insular and mainland populations of house sparrows (<i><scp>P</scp>asser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	16
31	Quantitative Genetics of the Aging of Reproductive Traits in the Houbara Bustard. PLoS ONE, 2015, 10, e0133140.	2.5	8
32	The sperm of aging male bustards retards their offspringâ€™s development. Nature Communications, 2015, 6, 6146.	12.8	52
33	Demographic Responses to Oxidative Stress and Inflammation in the Wandering Albatross (Diomedea) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	16
34	Females tend to prefer genetically similar mates in an island population of house sparrows. BMC Evolutionary Biology, 2014, 14, 47.	3.2	21
35	Parental experience of a risky environment leads to improved offspring growth rate. Journal of Experimental Biology, 2014, 217, 2734-9.	1.7	4
36	Can sexual selection theory inform genetic management of captive populations? A review. Evolutionary Applications, 2014, 7, 1120-1133.	3.1	25

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37	Epidemiology ofPlasmodium relictumInfection in the House Sparrow. Journal of Parasitology, 2014, 100, 59-65.	0.7	17
38	Multiple aspects of plasticity in clutch size vary among populations of a globally distributed songbird. Journal of Animal Ecology, 2014, 83, 876-887.	2.8	23
39	Does recognized genetic management in supportive breeding prevent genetic changes in lifeâ€history traits?. Evolutionary Applications, 2014, 7, 521-532.	3.1	28
40	Oxidative stress in relation to reproduction, contaminants, gender and age in a long-lived seabird. Oecologia, 2014, 175, 1107-1116.	2.0	55
41	Impact of host nutritional status on infection dynamics and parasite virulence in a birdâ€malaria system. Journal of Animal Ecology, 2014, 83, 256-265.	2.8	98
42	Avian Malaria Models of Disease. , 2014, , 1-11.		3
43	Disrupting Immune Regulation Incurs Transient Costs in Male Reproductive Function. PLoS ONE, 2014, 9, e84606.	2.5	9
44	Food availability and competition do not modulate the costs of Plasmodium infection in dominant male canaries. Experimental Parasitology, 2013, 135, 708-714.	1.2	9
45	Quantitative genetics of sexual display, ejaculate quality and size in a lekking species. Journal of Animal Ecology, 2013, 82, 399-407.	2.8	19
46	Immunity and the emergence of virulent pathogens. Infection, Genetics and Evolution, 2013, 16, 441-446.	2.3	19
47	Social interactions modulate the virulence of avian malaria infection. International Journal for Parasitology, 2013, 43, 861-867.	3.1	3
48	Immunity, resistance and tolerance in birdâ€“parasite interactions. Parasite Immunology, 2013, 35, 350-361.	1.5	61
49	Predictions of avian Plasmodium expansion under climate change. Scientific Reports, 2013, 3, 1126.	3.3	61
50	Immune Evasion, Immunopathology and the Regulation of the Immune System. Pathogens, 2013, 2, 71-91.	2.8	37
51	Urbanization, Trace Metal Pollution, and Malaria Prevalence in the House Sparrow. PLoS ONE, 2013, 8, e53866.	2.5	71
52	Experimental inhibition of nitric oxide increases Plasmodium relictum (lineage SGS1) parasitaemia. Experimental Parasitology, 2012, 132, 417-423.	1.2	26
53	CORRELATIONAL SELECTION ON PRO- AND ANTI-INFLAMMATORY EFFECTORS. Evolution; International Journal of Organic Evolution, 2012, 66, 3615-3623.	2.3	9
54	Immune-Mediated Change in the Expression of a Sexual Trait Predicts Offspring Survival in the Wild. PLoS ONE, 2011, 6, e25305.	2.5	13

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55	Sexually extravagant males age more rapidly. Ecology Letters, 2011, 14, 1017-1024.	6.4	85
56	Plasmodium relictum infection and MHC diversity in the house sparrow (Passer domesticus). Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1264-1272.	2.6	75
57	Effect of repeated exposure to Plasmodium relictum (lineage SGS1) on infection dynamics in domestic canaries. International Journal for Parasitology, 2010, 40, 1447-1453.	3.1	74
58	GENETIC CORRELATION BETWEEN RESISTANCE TO OXIDATIVE STRESS AND REPRODUCTIVE LIFE SPAN IN A BIRD SPECIES. Evolution; International Journal of Organic Evolution, 2010, 64, 852-857.	2.3	29
59	Male health status, signalled by courtship display, reveals ejaculate quality and hatching success in a lekking species. Journal of Animal Ecology, 2010, 79, 843-850.	2.8	45
60	Parasite virulence when the infection reduces the host immune response. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1929-1935.	2.6	24
61	Patterns of aging in the long-lived wandering albatross. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6370-6375.	7.1	162
62	Suppressing an Anti-Inflammatory Cytokine Reveals a Strong Age-Dependent Survival Cost in Mice. PLoS ONE, 2010, 5, e12940.	2.5	14
63	Mhcpolymorphisms fail to explain the heritability of phytohaemagglutinin-induced skin swelling in a wild passerine. Biology Letters, 2009, 5, 784-787.	2.3	19
64	Variation and covariation in infectivity, virulence and immunodepression in the hostâ€“parasite association Gammarus pulex â€“ Pomphorhynchus laevis. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4229-4236.	2.6	16
65	Early developmental conditions affect stress response in juvenile but not in adult house sparrows (Passer domesticus). General and Comparative Endocrinology, 2009, 160, 30-35.	1.8	30
66	Diversifying selection on MHC class I in the house sparrow (Passer domesticus). Molecular Ecology, 2009, 18, 1331-1340.	3.9	88
67	Inflammation and oxidative stress in vertebrate hostâ€“parasite systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 71-83.	4.0	254
68	The presence of females modulates the expression of a carotenoid-based sexual signal. Behavioral Ecology and Sociobiology, 2008, 62, 1159-1166.	1.4	43
69	Female and male plumage brightness correlate with nesting failure in azure-winged magpies Cyanopica cyanus. Journal of Avian Biology, 2008, 39, 257-261.	1.2	12
70	Antagonistic effects of a Mhc class I allele on malaria-infected house sparrows. Ecology Letters, 2008, 11, 258-265.	6.4	95
71	Effects of experimental increase of corticosterone levels on begging behavior, immunity and parental provisioning rate in house sparrows. General and Comparative Endocrinology, 2008, 155, 101-108.	1.8	108
72	Do peahens not prefer peacocks with more elaborate trains?. Animal Behaviour, 2008, 76, e5-e9.	1.9	52

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73	Condition-dependent effects of corticosterone on a carotenoid-based begging signal in house sparrows. Hormones and Behavior, 2008, 53, 266-273.	2.1	57
74	Iridescent structurally based coloration of eyespots correlates with mating success in the peacock. Behavioral Ecology, 2007, 18, 1123-1131.	2.2	100
75	Non-defendable resources affect peafowl lek organization: A male removal experiment. Behavioural Processes, 2007, 74, 64-70.	1.1	10
76	Environmental stress affects the expression of a carotenoid-based sexual trait in male zebra finches. Journal of Experimental Biology, 2007, 210, 3571-3578.	1.7	36
77	Testosterone and oxidative stress: the oxidation handicap hypothesis. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 819-825.	2.6	295
78	Male sexual attractiveness affects the investment of maternal resources into the eggs in peafowl (Pavo cristatus). Behavioral Ecology and Sociobiology, 2007, 61, 1043-1052.	1.4	53
79	MAJOR HISTOCOMPATIBILITY ALLELES ASSOCIATED WITH LOCAL RESISTANCE TO MALARIA IN A PASSERINE. Evolution; International Journal of Organic Evolution, 2006, 60, 383-389.	2.3	186
80	Complex Mhc -based mate choice in a wild passerine. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1111-1116.	2.6	175
81	AN EXPERIMENTAL MANIPULATION OF LIFE-HISTORY TRAJECTORIES AND RESISTANCE TO OXIDATIVE STRESS. Evolution; International Journal of Organic Evolution, 2006, 60, 1913-1924.	2.3	192
82	Carotenoids modulate the trade-off between egg production and resistance to oxidative stress in zebra finches. Oecologia, 2006, 147, 576-584.	2.0	117
83	Positive correlation between helpers at nest and nestling immune response in a cooperative breeding bird. Behavioral Ecology and Sociobiology, 2006, 60, 399-404.	1.4	8
84	AN EXPERIMENTAL MANIPULATION OF LIFE-HISTORY TRAJECTORIES AND RESISTANCE TO OXIDATIVE STRESS. Evolution; International Journal of Organic Evolution, 2006, 60, 1913.	2.3	13
85	MAJOR HISTOCOMPATIBILITY ALLELES ASSOCIATED WITH LOCAL RESISTANCE TO MALARIA IN A PASSERINE. Evolution; International Journal of Organic Evolution, 2006, 60, 383.	2.3	7
86	Do carotenoid-based sexual traits signal the availability of non-pigmentary antioxidants?. Journal of Experimental Biology, 2006, 209, 4414-4419.	1.7	79
87	Major histocompatibility alleles associated with local resistance to malaria in a passerine. Evolution; International Journal of Organic Evolution, 2006, 60, 383-9.	2.3	81
88	An experimental manipulation of life-history trajectories and resistance to oxidative stress. Evolution; International Journal of Organic Evolution, 2006, 60, 1913-24.	2.3	53
89	Intra- and Intersexual Selection for Multiple Traits in the Peacock (Pavo cristatus). Ethology, 2005, 111, 810-820.	1.1	89
90	An Mhc class I allele associated to the expression of T-dependent immune response in the house sparrow. Immunogenetics, 2005, 57, 782-789.	2.4	40

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91	Multiple sexual advertisements honestly reflect health status in peacocks (Pavo cristatus). Behavioral Ecology and Sociobiology, 2005, 58, 552-557.	1.4	112
92	Mitochondrial Uncoupling Proteins: New Perspectives for Evolutionary Ecologists. American Naturalist, 2005, 166, 686-699.	2.1	36
93	TERMINAL INVESTMENT INDUCED BY IMMUNE CHALLENGE AND FITNESS TRAITS ASSOCIATED WITH MAJOR HISTOCOMPATIBILITY COMPLEX IN THE HOUSE SPARROW. Evolution; International Journal of Organic Evolution, 2004, 58, 2823.	2.3	10
94	Ultraviolet reflectance affects male-male interactions in the blue tit (Parus caeruleus ultramarinus). Behavioral Ecology, 2004, 15, 805-809.	2.2	120
95	Increased susceptibility to oxidative stress as a proximate cost of reproduction. Ecology Letters, 2004, 7, 363-368.	6.4	357
96	TERMINAL INVESTMENT INDUCED BY IMMUNE CHALLENGE AND FITNESS TRAITS ASSOCIATED WITH MAJOR HISTOCOMPATIBILITY COMPLEX IN THE HOUSE SPARROW. Evolution; International Journal of Organic Evolution, 2004, 58, 2823-2830.	2.3	155
97	Diversity of Mhc classï¿½I and IIB genes in house sparrows (Passer domesticus). Immunogenetics, 2004, 55, 855-865.	2.4	86
98	Effect of testosterone on T cell-mediated immunity in two species of mediterranean lacertid lizards. The Journal of Experimental Zoology, 2004, 301A, 411-418.	1.4	91
99	An Experimental Test of the Doseâ€Ðependent Effect of Carotenoids and Immune Activation on Sexual Signals and Antioxidant Activity. American Naturalist, 2004, 164, 651-659.	2.1	290
100	Testosterone and helping behavior in the azure-winged magpie (Cyanopica cyanus): natural covariation and an experimental test. Behavioral Ecology and Sociobiology, 2003, 55, 103-111.	1.4	24
101	Social environment affects female and egg testosterone levels in the house sparrow (Passer) Tj ETQq1 1 0.784314 rgBT /Overlock 10	6.4	101
102	Assessing the Cost of Mounting an Immune Response. American Naturalist, 2003, 161, 367-379.	2.1	466
103	Trade-off between immunocompetence and growth in magpies: an experimental study. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 241-248.	2.6	216
104	Correlated evolution between host immunity and parasite life histories in primates and oxyurid parasites. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2481-2484.	2.6	29
105	Sexual selection affects local extinction and turnover in bird communities. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5858-5862.	7.1	139
106	Immune Activation Rapidly Mirrored in a Secondary Sexual Trait. Science, 2003, 300, 103-103.	12.6	352
107	Social Control and Physiological Cost of Cheating in Status Signalling Male House Sparrows (Passer) Tj ETQq1 1 0.784314 rgBT /Over	1.1	49
108	The evolution of obligate interspecific brood parasitism in birds. Behavioral Ecology, 2001, 12, 128-133.	2.2	28

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109	Testosterone and sexual signalling in male house sparrows (Passer domesticus). Behavioral Ecology and Sociobiology, 2001, 50, 557-562.	1.4	121
110	Immunocompetence and condition-dependent sexual advertisement in male house sparrows (Passer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	201
111	Retaliatory cuckoos and the evolution of host resistance to brood parasites. Animal Behaviour, 1999, 58, 817-824.	1.9	14
112	Seasonal variation in the relationship between cellular immune response and badge size in male house sparrows (Passer domesticus). Behavioral Ecology and Sociobiology, 1999, 46, 117-122.	1.4	65
113	Rapid increase of host defence against brood parasites in a recently parasitized area: the case of village weavers in Hispaniola. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 941-946.	2.6	40
114	Demographic Stochasticity and Social Mating System in the Process of Extinction of Small Populations: The Case of Passerines Introduced to New Zealand. American Naturalist, 1999, 153, 449-463.	2.1	191
115	Change in host rejection behavior mediated by the predatory behavior of its brood parasite. Behavioral Ecology, 1999, 10, 275-280.	2.2	43
116	Plumage dichromatism of birds predicts introduction success in New Zealand. Journal of Animal Ecology, 1998, 67, 263-269.	2.8	92
117	Hostâ€“parasite coevolution: comparative evidence for covariation of life history traits in primates and oxyurid parasites. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 285-289.	2.6	56
118	Reduced immunocompetence of nestlings in replacement clutches of the European magpie (Pica pica). Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1593-1598.	2.6	88
119	Genetics of host-parasite interactions. Trends in Ecology and Evolution, 1997, 12, 196-200.	8.7	122
120	Host density and ectoparasite avoidance in the common lizard (Lacerta vivipara). Oecologia, 1997, 111, 183-188.	2.0	30
121	Environmental maternal effects on locomotor performance in the common lizard (Lacerta vivipara). Evolutionary Ecology, 1997, 11, 531-541.	1.2	37
122	Cost of Reproduction and Cost of Parasitism in the Common Lizard, Lacerta vivipara. Oikos, 1996, 76, 121.	2.7	98
123	Phenotypic Plasticity of Growth and Survival in the Common Lizard Lacerta vivipara. Journal of Animal Ecology, 1996, 65, 781.	2.8	85
124	Quantitative Genetics of Locomotor Speed and Endurance in the Lizard Lacerta vivipara. Physiological Zoology, 1995, 68, 698-720.	1.5	95
125	Repeated Measurements of Blood Parasite Levels Reveal Limited Ability for Host Recovery in the Common Lizard (Lacerta vivipara). Journal of Parasitology, 1995, 81, 825.	0.7	20
126	Chapter 9. Determinants of Dispersal Behavior: The Common Lizard as a Case Study. , 1994, , 183-206.		82

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127	Maternal Parasite Load Increases Sprint Speed and Philopatry in Female Offspring of the Common Lizard. American Naturalist, 1994, 144, 153-164.	2.1	89
128	Sex-specific transgenerational effects of early developmental conditions in a passerine. Biological Journal of the Linnean Society, 0, 91, 469-474.	1.6	18
129	Why Does COVID-19 Case Fatality Rate Vary Among Countries?. SSRN Electronic Journal, 0, , .	0.4	7