

Gabriele Sorci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2777499/publications.pdf>

Version: 2024-02-01

129
papers

8,269
citations

36303

51
h-index

49909

87
g-index

132
all docs

132
docs citations

132
times ranked

6704
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the Cost of Mounting an Immune Response. <i>American Naturalist</i> , 2003, 161, 367-379.	2.1	466
2	Increased susceptibility to oxidative stress as a proximate cost of reproduction. <i>Ecology Letters</i> , 2004, 7, 363-368.	6.4	357
3	Immune Activation Rapidly Mirrored in a Secondary Sexual Trait. <i>Science</i> , 2003, 300, 103-103.	12.6	352
4	Testosterone and oxidative stress: the oxidation handicap hypothesis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 819-825.	2.6	295
5	An Experimental Test of the Dose-Dependent Effect of Carotenoids and Immune Activation on Sexual Signals and Antioxidant Activity. <i>American Naturalist</i> , 2004, 164, 651-659.	2.1	290
6	Inflammation and oxidative stress in vertebrate host-parasite systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 71-83.	4.0	254
7	Trade-off between immunocompetence and growth in magpies: an experimental study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 241-248.	2.6	216
8	Explaining among-country variation in COVID-19 case fatality rate. <i>Scientific Reports</i> , 2020, 10, 18909.	3.3	204
9	Immunocompetence and condition-dependent sexual advertisement in male house sparrows (<i>Passer</i>). <i>Trends in Ecology and Evolution</i> , 2001, 16, 284-288.	2.8	201
10	AN EXPERIMENTAL MANIPULATION OF LIFE-HISTORY TRAJECTORIES AND RESISTANCE TO OXIDATIVE STRESS. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1913-1924.	2.3	192
11	Demographic Stochasticity and Social Mating System in the Process of Extinction of Small Populations: The Case of Passerines Introduced to New Zealand. <i>American Naturalist</i> , 1999, 153, 449-463.	2.1	191
12	MAJOR HISTOCOMPATIBILITY ALLELES ASSOCIATED WITH LOCAL RESISTANCE TO MALARIA IN A PASSERINE. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 383-389.	2.3	186
13	Complex Mhc-based mate choice in a wild passerine. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1111-1116.	2.6	175
14	Patterns of aging in the long-lived wandering albatross. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6370-6375.	7.1	162
15	TERMINAL INVESTMENT INDUCED BY IMMUNE CHALLENGE AND FITNESS TRAITS ASSOCIATED WITH MAJOR HISTOCOMPATIBILITY COMPLEX IN THE HOUSE SPARROW. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2823-2830.	2.3	155
16	Sexual selection affects local extinction and turnover in bird communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5858-5862.	7.1	139
17	Genetics of host-parasite interactions. <i>Trends in Ecology and Evolution</i> , 1997, 12, 196-200.	8.7	122
18	Testosterone and sexual signalling in male house sparrows (<i>Passer domesticus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2001, 50, 557-562.	1.4	121

#	ARTICLE	IF	CITATIONS
19	Ultraviolet reflectance affects male-male interactions in the blue tit (<i>Parus caeruleus ultramarinus</i>). <i>Behavioral Ecology</i> , 2004, 15, 805-809.	2.2	120
20	Carotenoids modulate the trade-off between egg production and resistance to oxidative stress in zebra finches. <i>Oecologia</i> , 2006, 147, 576-584.	2.0	117
21	Multiple sexual advertisements honestly reflect health status in peacocks (<i>Pavo cristatus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 552-557.	1.4	112
22	Effects of experimental increase of corticosterone levels on begging behavior, immunity and parental provisioning rate in house sparrows. <i>General and Comparative Endocrinology</i> , 2008, 155, 101-108.	1.8	108
23	Social environment affects female and egg testosterone levels in the house sparrow (<i>Passer</i>). <i>Tj ETQq1 1 0.784314 ggBT /Overlock 10 TF</i>	6.4	101
24	Iridescent structurally based coloration of eyespots correlates with mating success in the peacock. <i>Behavioral Ecology</i> , 2007, 18, 1123-1131.	2.2	100
25	Cost of Reproduction and Cost of Parasitism in the Common Lizard, <i>Lacerta vivipara</i> . <i>Oikos</i> , 1996, 76, 121.	2.7	98
26	Impact of host nutritional status on infection dynamics and parasite virulence in a bird-malaria system. <i>Journal of Animal Ecology</i> , 2014, 83, 256-265.	2.8	98
27	Quantitative Genetics of Locomotor Speed and Endurance in the Lizard <i>Lacerta vivipara</i> . <i>Physiological Zoology</i> , 1995, 68, 698-720.	1.5	95
28	Antagonistic effects of a Mhc class I allele on malaria-infected house sparrows. <i>Ecology Letters</i> , 2008, 11, 258-265.	6.4	95
29	Plumage dichromatism of birds predicts introduction success in New Zealand. <i>Journal of Animal Ecology</i> , 1998, 67, 263-269.	2.8	92
30	Effect of testosterone on T cell-mediated immunity in two species of mediterranean lacertid lizards. <i>The Journal of Experimental Zoology</i> , 2004, 301A, 411-418.	1.4	91
31	Maternal Parasite Load Increases Sprint Speed and Philopatry in Female Offspring of the Common Lizard. <i>American Naturalist</i> , 1994, 144, 153-164.	2.1	89
32	Intra- and Intersexual Selection for Multiple Traits in the Peacock (<i>Pavo cristatus</i>). <i>Ethology</i> , 2005, 111, 810-820.	1.1	89
33	Reduced immunocompetence of nestlings in replacement clutches of the European magpie (<i>Pica pica</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1593-1598.	2.6	88
34	Diversifying selection on MHC class I in the house sparrow (<i>Passer domesticus</i>). <i>Molecular Ecology</i> , 2009, 18, 1331-1340.	3.9	88
35	Diversity of Mhc class I and II B genes in house sparrows (<i>Passer domesticus</i>). <i>Immunogenetics</i> , 2004, 55, 855-865.	2.4	86
36	Phenotypic Plasticity of Growth and Survival in the Common Lizard <i>Lacerta vivipara</i> . <i>Journal of Animal Ecology</i> , 1996, 65, 781.	2.8	85

#	ARTICLE	IF	CITATIONS
37	Sexually extravagant males age more rapidly. <i>Ecology Letters</i> , 2011, 14, 1017-1024.	6.4	85
38	Chapter 9. Determinants of Dispersal Behavior: The Common Lizard as a Case Study. , 1994, , 183-206.		82
39	Major histocompatibility alleles associated with local resistance to malaria in a passerine. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 383-9.	2.3	81
40	Do carotenoid-based sexual traits signal the availability of non-pigmentary antioxidants?. <i>Journal of Experimental Biology</i> , 2006, 209, 4414-4419.	1.7	79
41	<i>Plasmodium relictum</i> infection and MHC diversity in the house sparrow (<i>Passer domesticus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1264-1272.	2.6	75
42	Effect of repeated exposure to <i>Plasmodium relictum</i> (lineage SGS1) on infection dynamics in domestic canaries. <i>International Journal for Parasitology</i> , 2010, 40, 1447-1453.	3.1	74
43	Urbanization, Trace Metal Pollution, and Malaria Prevalence in the House Sparrow. <i>PLoS ONE</i> , 2013, 8, e53866.	2.5	71
44	Seasonal variation in the relationship between cellular immune response and badge size in male house sparrows (<i>Passer domesticus</i>). <i>Behavioral Ecology and Sociobiology</i> , 1999, 46, 117-122.	1.4	65
45	Immunity, resistance and tolerance in birdâ€™parasite interactions. <i>Parasite Immunology</i> , 2013, 35, 350-361.	1.5	61
46	Predictions of avian <i>Plasmodium</i> expansion under climate change. <i>Scientific Reports</i> , 2013, 3, 1126.	3.3	61
47	Condition-dependent effects of corticosterone on a carotenoid-based begging signal in house sparrows. <i>Hormones and Behavior</i> , 2008, 53, 266-273.	2.1	57
48	Hostâ€™parasite coevolution: comparative evidence for covariation of life history traits in primates and oxyurid parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 285-289.	2.6	56
49	Oxidative stress in relation to reproduction, contaminants, gender and age in a long-lived seabird. <i>Oecologia</i> , 2014, 175, 1107-1116.	2.0	55
50	Male sexual attractiveness affects the investment of maternal resources into the eggs in peafowl (<i>Pavo cristatus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1043-1052.	1.4	53
51	An experimental manipulation of life-history trajectories and resistance to oxidative stress. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1913-24.	2.3	53
52	Do peahens not prefer peacocks with more elaborate trains?. <i>Animal Behaviour</i> , 2008, 76, e5-e9.	1.9	52
53	The sperm of aging male bustards retards their offspringâ€™s development. <i>Nature Communications</i> , 2015, 6, 6146.	12.8	52
54	Infections and cancer: the â€™fifty shades of immunityâ€™-hypothesis. <i>BMC Cancer</i> , 2017, 17, 257.	2.6	51

#	ARTICLE	IF	CITATIONS
55	Social Control and Physiological Cost of Cheating in Status Signalling Male House Sparrows (<i>Passer</i>) <i>Tj ETQq1 1 0.784314 rgBJ /Over</i>	1.1	49
56	Cancer: A disease at the crossroads of trade-offs. <i>Evolutionary Applications</i> , 2017, 10, 215-225.	3.1	46
57	Male health status, signalled by courtship display, reveals ejaculate quality and hatching success in a lekking species. <i>Journal of Animal Ecology</i> , 2010, 79, 843-850.	2.8	45
58	Change in host rejection behavior mediated by the predatory behavior of its brood parasite. <i>Behavioral Ecology</i> , 1999, 10, 275-280.	2.2	43
59	The presence of females modulates the expression of a carotenoid-based sexual signal. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1159-1166.	1.4	43
60	Rapid increase of host defence against brood parasites in a recently parasitized area: the case of village weavers in <i>Hispaniola</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 941-946.	2.6	40
61	An Mhc class I allele associated to the expression of T-dependent immune response in the house sparrow. <i>Immunogenetics</i> , 2005, 57, 782-789.	2.4	40
62	Environmental maternal effects on locomotor performance in the common lizard (<i>Lacerta vivipara</i>). <i>Evolutionary Ecology</i> , 1997, 11, 531-541.	1.2	37
63	Immune Evasion, Immunopathology and the Regulation of the Immune System. <i>Pathogens</i> , 2013, 2, 71-91.	2.8	37
64	Mitochondrial Uncoupling Proteins: New Perspectives for Evolutionary Ecologists. <i>American Naturalist</i> , 2005, 166, 686-699.	2.1	36
65	Environmental stress affects the expression of a carotenoid-based sexual trait in male zebra finches. <i>Journal of Experimental Biology</i> , 2007, 210, 3571-3578.	1.7	36
66	Host density and ectoparasite avoidance in the common lizard (<i>Lacerta vivipara</i>). <i>Oecologia</i> , 1997, 111, 183-188.	2.0	30
67	Early developmental conditions affect stress response in juvenile but not in adult house sparrows (<i>Passer domesticus</i>). <i>General and Comparative Endocrinology</i> , 2009, 160, 30-35.	1.8	30
68	Correlated evolution between host immunity and parasite life histories in primates and oxyurid parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2481-2484.	2.6	29
69	GENETIC CORRELATION BETWEEN RESISTANCE TO OXIDATIVE STRESS AND REPRODUCTIVE LIFE SPAN IN A BIRD SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 852-857.	2.3	29
70	The evolution of obligate interspecific brood parasitism in birds. <i>Behavioral Ecology</i> , 2001, 12, 128-133.	2.2	28
71	Does recognized genetic management in supportive breeding prevent genetic changes in life-history traits?. <i>Evolutionary Applications</i> , 2014, 7, 521-532.	3.1	28
72	Experimental inhibition of nitric oxide increases <i>Plasmodium relictum</i> (lineage SGS1) parasitaemia. <i>Experimental Parasitology</i> , 2012, 132, 417-423.	1.2	26

#	ARTICLE	IF	CITATIONS
73	Can sexual selection theory inform genetic management of captive populations? A review. <i>Evolutionary Applications</i> , 2014, 7, 1120-1133.	3.1	25
74	Testosterone and helping behavior in the azure-winged magpie (<i>Cyanopica cyanus</i>): natural covariation and an experimental test. <i>Behavioral Ecology and Sociobiology</i> , 2003, 55, 103-111.	1.4	24
75	Parasite virulence when the infection reduces the host immune response. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1929-1935.	2.6	24
76	Multiple aspects of plasticity in clutch size vary among populations of a globally distributed songbird. <i>Journal of Animal Ecology</i> , 2014, 83, 876-887.	2.8	23
77	Post-copulatory sexual selection allows females to alleviate the fitness costs incurred when mating with senescing males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191675.	2.6	23
78	Females tend to prefer genetically similar mates in an island population of house sparrows. <i>BMC Evolutionary Biology</i> , 2014, 14, 47.	3.2	21
79	Repeated Measurements of Blood Parasite Levels Reveal Limited Ability for Host Recovery in the Common Lizard (<i>Lacerta vivipara</i>). <i>Journal of Parasitology</i> , 1995, 81, 825.	0.7	20
80	<i>Mhc</i> polymorphisms fail to explain the heritability of phytohaemagglutinin-induced skin swelling in a wild passerine. <i>Biology Letters</i> , 2009, 5, 784-787.	2.3	19
81	Quantitative genetics of sexual display, ejaculate quality and size in a lekking species. <i>Journal of Animal Ecology</i> , 2013, 82, 399-407.	2.8	19
82	Immunity and the emergence of virulent pathogens. <i>Infection, Genetics and Evolution</i> , 2013, 16, 441-446.	2.3	19
83	Sex-specific transgenerational effects of early developmental conditions in a passerine. <i>Biological Journal of the Linnean Society</i> , 2016, 91, 469-474.	1.6	18
84	Epidemiology of <i>Plasmodium relictum</i> infection in the House Sparrow. <i>Journal of Parasitology</i> , 2014, 100, 59-65.	0.7	17
85	Variation and covariation in infectivity, virulence and immunodepression in the host-parasite association <i>Gammarus pulex</i> - <i>Pomphorhynchus laevis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4229-4236.	2.6	16
86	Genetic structure in insular and mainland populations of house sparrows (<i>Passer domesticus</i>). <i>Evolution</i> , 2010, 64, 1010-1016.	1.9	16
87	Demographic Responses to Oxidative Stress and Inflammation in the Wandering Albatross (<i>Diomedea exulans</i>). <i>Journal of Animal Ecology</i> , 2016, 85, 1143-1151.	2.5	16
88	Microbes, Parasites and Immune Diseases. <i>Journal of Animal Ecology</i> , 2016, 85, 211-223.		15
89	Retaliatory cuckoos and the evolution of host resistance to brood parasites. <i>Animal Behaviour</i> , 1999, 58, 817-824.	1.9	14
90	Aging parasites produce offspring with poor fitness prospects. <i>Biology Letters</i> , 2017, 13, 20160888.	2.3	14

#	ARTICLE	IF	CITATIONS
91	Paternal age negatively affects sperm production of the progeny. <i>Ecology Letters</i> , 2021, 24, 719-727.	6.4	14
92	Suppressing an Anti-Inflammatory Cytokine Reveals a Strong Age-Dependent Survival Cost in Mice. <i>PLoS ONE</i> , 2010, 5, e12940.	2.5	14
93	AN EXPERIMENTAL MANIPULATION OF LIFE-HISTORY TRAJECTORIES AND RESISTANCE TO OXIDATIVE STRESS. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1913.	2.3	13
94	Immune-Mediated Change in the Expression of a Sexual Trait Predicts Offspring Survival in the Wild. <i>PLoS ONE</i> , 2011, 6, e25305.	2.5	13
95	Helminth Interaction with the Host Immune System: Short-Term Benefits and Costs in Relation to the Infectious Environment. <i>American Naturalist</i> , 2016, 188, 253-263.	2.1	13
96	Female and male plumage brightness correlate with nesting failure in azure-winged magpies <i>Cyanopica cyanus</i> . <i>Journal of Avian Biology</i> , 2008, 39, 257-261.	1.2	12
97	Sperm competition accentuates selection on ejaculate attributes. <i>Biology Letters</i> , 2019, 15, 20180889.	2.3	11
98	Age reduces resistance and tolerance in malaria-infected mice. <i>Infection, Genetics and Evolution</i> , 2021, 88, 104698.	2.3	11
99	TERMINAL INVESTMENT INDUCED BY IMMUNE CHALLENGE AND FITNESS TRAITS ASSOCIATED WITH MAJOR HISTOCOMPATIBILITY COMPLEX IN THE HOUSE SPARROW. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2823.	2.3	10
100	Non-defendable resources affect peafowl lek organization: A male removal experiment. <i>Behavioural Processes</i> , 2007, 74, 64-70.	1.1	10
101	Reaction norms of host immunity, host fitness and parasite performance in a mouse – intestinal nematode interaction. <i>International Journal for Parasitology</i> , 2016, 46, 133-140.	3.1	10
102	Benefits of immune protection versus immunopathology costs: A synthesis from cytokine KO models. <i>Infection, Genetics and Evolution</i> , 2017, 54, 491-495.	2.3	10
103	Age-related response to an acute innate immune challenge in mice: proteomics reveals a telomere maintenance-related cost. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181877.	2.6	10
104	CORRELATIONAL SELECTION ON PRO- AND ANTI-INFLAMMATORY EFFECTORS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3615-3623.	2.3	9
105	Food availability and competition do not modulate the costs of <i>Plasmodium</i> infection in dominant male canaries. <i>Experimental Parasitology</i> , 2013, 135, 708-714.	1.2	9
106	Disrupting Immune Regulation Incurs Transient Costs in Male Reproductive Function. <i>PLoS ONE</i> , 2014, 9, e84606.	2.5	9
107	Positive correlation between helpers at nest and nestling immune response in a cooperative breeding bird. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 399-404.	1.4	8
108	Quantitative Genetics of the Aging of Reproductive Traits in the Houbara Bustard. <i>PLoS ONE</i> , 2015, 10, e0133140.	2.5	8

#	ARTICLE	IF	CITATIONS
109	Development and optimization of a hybridization technique to type the classical class I and class II B genes of the chicken MHC. <i>Immunogenetics</i> , 2019, 71, 647-663.	2.4	8
110	MAJOR HISTOCOMPATIBILITY ALLELES ASSOCIATED WITH LOCAL RESISTANCE TO MALARIA IN A PASSERINE. Evolution; <i>International Journal of Organic Evolution</i> , 2006, 60, 383.	2.3	7
111	Differential proteomics reveals age-dependent liver oxidative costs of innate immune activation in mice. <i>Journal of Proteomics</i> , 2016, 135, 181-190.	2.4	7
112	No evidence for prezygotic postcopulatory avoidance of kin despite high inbreeding depression. <i>Molecular Ecology</i> , 2018, 27, 5252-5262.	3.9	7
113	Why Does COVID-19 Case Fatality Rate Vary Among Countries?. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7
114	Plastic and micro-evolutionary responses of a nematode to the host immune environment. <i>Experimental Parasitology</i> , 2017, 181, 14-22.	1.2	6
115	Microevolutionary response of a gut nematode to intestinal inflammation. <i>International Journal for Parasitology</i> , 2017, 47, 617-623.	3.1	5
116	Parental experience of a risky environment leads to improved offspring growth rate. <i>Journal of Experimental Biology</i> , 2014, 217, 2734-9.	1.7	4
117	Nlrp3 Gene Expression in Circulating Leukocytes Declines During Healthy Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1045-1049.	3.6	4
118	Disentangling the effect of host genetics and gut microbiota on resistance to an intestinal parasite. <i>International Journal for Parasitology</i> , 2019, 49, 873-883.	3.1	4
119	Increasing helminth infection burden depauperates the diversity of the gut microbiota and alters its composition in mice. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2022, 2, 100082.	1.9	4
120	Social interactions modulate the virulence of avian malaria infection. <i>International Journal for Parasitology</i> , 2013, 43, 861-867.	3.1	3
121	Early life infection and host senescence. <i>Experimental Gerontology</i> , 2018, 114, 19-26.	2.8	3
122	Early <i>Plasmodium</i> -induced inflammation does not accelerate aging in mice. <i>Evolutionary Applications</i> , 2019, 12, 314-323.	3.1	3
123	Evolutionary Ecology: Evolution of Parasitism. , 2019, , 304-309.		3
124	Avian Malaria Models of Disease. , 2014, , 1-11.		3
125	Life history adjustments to intestinal inflammation in a gut nematode. <i>Journal of Experimental Biology</i> , 2017, 220, 3724-3732.	1.7	1
126	The macroecology of cancer incidences in humans is associated with large-scale assemblages of endemic infections. <i>Infection, Genetics and Evolution</i> , 2018, 61, 189-196.	2.3	1

#	ARTICLE	IF	CITATIONS
127	Enforced monoandry over generations induces a reduction of female investment into reproduction in a promiscuous bird. <i>Evolutionary Applications</i> , 2021, 14, 2773-2783.	3.1	1
128	Some Plant Defense Stimulators can induce IL-1 β production in human immune cells in vitro. <i>Toxicology Reports</i> , 2020, 7, 413-420.	3.3	0
129	<i>Immunology of Parasitism.</i> , 2021, , .		0