

Serge Aron

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3197207/publications.pdf>

Version: 2024-02-01

76
papers

2,440
citations

257450

24
h-index

233421

45
g-index

80
all docs

80
docs citations

80
times ranked

1894
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary history of inquiline social parasitism in <i>Plagiolepis</i> ants. <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 107016.	2.7	12
2	The evolution of ant worker polymorphism correlates with multiple social traits. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	7
3	Hybridization and invasiveness in social insects – The good, the bad and the hybrid. <i>Current Opinion in Insect Science</i> , 2021, 46, 1-9.	4.4	12
4	Molecular adaptations to heat stress in the thermophilic ant genus <i>Cataglyphis</i> . <i>Molecular Ecology</i> , 2021, 30, 5503-5516.	3.9	14
5	<i>Cataglyphis</i> . , 2021, , 217-223.		2
6	Detection of Cryptic Sex in Automictic Populations: Theoretical Expectations and a Case Study in <i>Cataglyphis</i> Desert Ants. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	2
7	Repeated evolution of queen parthenogenesis and social hybridogenesis in <i>Cataglyphis</i> desert ants. <i>Molecular Ecology</i> , 2020, 29, 549-564.	3.9	26
8	Sociogenetic Organization of the Red Honey Ant (<i>Melophorus bagoti</i>). <i>Insects</i> , 2020, 11, 755.	2.2	4
9	Colony co-founding in ants is an active process by queens. <i>Scientific Reports</i> , 2020, 10, 13539.	3.3	4
10	Adaptations to thermal stress in social insects: recent advances and future directions. <i>Biological Reviews</i> , 2020, 95, 1535-1553.	10.4	46
11	Mating triggers an up-regulation of vitellogenin and defensin in ant queens. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2019, 205, 745-753.	1.6	6
12	The Interplay between Incipient Species and Social Polymorphism in the Desert Ant <i>Cataglyphis</i> . <i>Scientific Reports</i> , 2019, 9, 9495.	3.3	11
13	Evolution of hybridogenetic lineages in <i>Cataglyphis</i> ants. <i>Molecular Ecology</i> , 2019, 28, 3073-3088.	3.9	6
14	<i>Cataglyphis</i> . , 2019, , 1-7.		0
15	Antibacterial activity of male and female sperm-storage organs in ants. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	10
16	Phenotypic plasticity in an ant with strong caste-genotype association. <i>Biology Letters</i> , 2018, 14, 20170705.	2.3	9
17	Impact of immune activation on stored sperm viability in ant queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182248.	2.6	10
18	Molecular chaperoning helps safeguarding mitochondrial integrity and motor functions in the Sahara silver ant <i>Cataglyphis bombycina</i> . <i>Scientific Reports</i> , 2018, 8, 9220.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Protein restriction affects sperm number but not sperm viability in male ants. <i>Journal of Insect Physiology</i> , 2017, 100, 71-76.	2.0	28
20	Proteome stability, heat hardening, and heat-shock protein expression profiles in <i>Cataglyphis</i> desert ants. <i>Journal of Experimental Biology</i> , 2017, 220, 1721-1728.	1.7	31
21	Measuring inotocin receptor gene expression in chronological order in ant queens. <i>Hormones and Behavior</i> , 2017, 96, 116-121.	2.1	13
22	Evolutionary reduction of female dispersal in <i>Cataglyphis</i> desert ants. <i>Biological Journal of the Linnean Society</i> , 2017, 122, 58-70.	1.6	23
23	Social Life in Arid Environments: The Case Study of <i>Cataglyphis</i> Ants. <i>Annual Review of Entomology</i> , 2017, 62, 305-321.	11.8	57
24	Sperm production characteristics vary with level of sperm competition in <i>Cataglyphis</i> desert ants. <i>Functional Ecology</i> , 2016, 30, 614-624.	3.6	26
25	Cryptic lineages hybridize for worker production in the harvester ant <i>Messor barbarus</i> . <i>Biology Letters</i> , 2016, 12, 20160542.	2.3	16
26	Evolution of reproductive traits in <i>Cataglyphis</i> desert ants: mating frequency, queen number, and thelytoky. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1367-1379.	1.4	27
27	Total Internal Reflection Accounts for the Bright Color of the Saharan Silver Ant. <i>PLoS ONE</i> , 2016, 11, e0152325.	2.5	55
28	Social Structure and Genetic Distance Mediate Nestmate Recognition and Aggressiveness in the Facultative Polygynous Ant <i>Pheidole pallidula</i> . <i>PLoS ONE</i> , 2016, 11, e0156440.	2.5	14
29	Ant sperm storage organs do not have phenoloxidase constitutive immune activity. <i>Journal of Insect Physiology</i> , 2015, 78, 9-14.	2.0	19
30	Testing the genetic determination of the soldier caste in the silver ant. <i>Insectes Sociaux</i> , 2015, 62, 517-524.	1.2	8
31	Introgression of mitochondrial DNA among lineages in a hybridogenetic ant. <i>Biology Letters</i> , 2015, 11, 20140971.	2.3	21
32	Production of Early Diploid Males by European Colonies of the Invasive Hornet <i>Vespa velutina nigrithorax</i> . <i>PLoS ONE</i> , 2015, 10, e0136680.	2.5	40
33	Genetic Evidence Confirms Polygamous Mating System in a Crustacean Parasite with Multiple Hosts. <i>PLoS ONE</i> , 2014, 9, e90680.	2.5	30
34	At the brink of supercoloniality: genetic, behavioral, and chemical assessments of population structure of the desert ant <i>Cataglyphis niger</i> . <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	2.2	19
35	Large-scale distribution of hybridogenetic lineages in a Spanish desert ant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132396.	2.6	21
36	Dispersal in the inquiline social parasite ant <i>Plagiolepis xene</i> . <i>Insectes Sociaux</i> , 2014, 61, 197-202.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Team swimming in ant spermatozoa. <i>Biology Letters</i> , 2014, 10, 20140308.	2.3	23
38	Fertile diploid males in the ant <i>Cataglyphis cursor</i> : a potential cost of thelytoky?. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1983-1993.	1.4	13
39	Genetic polyethism in the polyandrous desert ant <i>Cataglyphis cursor</i> . <i>Behavioral Ecology</i> , 2013, 24, 144-151.	2.2	28
40	Social and Population Structure in the Ant <i>Cataglyphis emmae</i> . <i>PLoS ONE</i> , 2013, 8, e72941.	2.5	20
41	Social Hybridogenesis in the Clonal Ant <i>Cataglyphis hispanica</i> . <i>Current Biology</i> , 2012, 22, 1188-1193.	3.9	65
42	Genetic Structure, Nestmate Recognition and Behaviour of Two Cryptic Species of the Invasive Big-Headed Ant <i>Pheidole megacephala</i> . <i>PLoS ONE</i> , 2012, 7, e31480.	2.5	27
43	Multiple mating and supercoloniality in <i>Cataglyphis</i> desert ants. <i>Biological Journal of the Linnean Society</i> , 2011, 104, 866-876.	1.6	35
44	Ant queens adjust egg fertilization to benefit from both sexual and asexual reproduction. <i>Biology Letters</i> , 2011, 7, 571-573.	2.3	10
45	UNEXPLAINED SPLIT SEX RATIOS IN THE NEOTROPICAL PLANT-ANT, <i>ALLOMERUS OCTOARTICULATUS</i> VAR. <i>DEMERRARAE</i> (MYRMICINAE): A TEST OF HYPOTHESES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 126-141.	2.3	4
46	Evolution: No-Male's Land for an Amazonian Ant. <i>Current Biology</i> , 2009, 19, R738-R740.	3.9	9
47	Influence of queen phenotype, investment and maternity apportionment on the outcome of fights in cooperative foundations of the ant <i>Lasius niger</i> . <i>Animal Behaviour</i> , 2009, 77, 1067-1074.	1.9	37
48	Diploid males, diploid sperm production, and triploid females in the ant <i>Tapinoma erraticum</i> . <i>Die Naturwissenschaften</i> , 2009, 96, 1393-1400.	1.6	22
49	Genetics, behaviour and chemical recognition of the invading ant <i>Pheidole megacephala</i> . <i>Molecular Ecology</i> , 2009, 18, 186-199.	3.9	36
50	Prudent sperm use by leaf-cutter ant queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3945-3953.	2.6	66
51	Rapid determination of sperm number in ant queens by flow cytometry. <i>Insectes Sociaux</i> , 2008, 55, 283-287.	1.2	22
52	Genetic diversity, worker size polymorphism and division of labour in the polyandrous ant <i>Cataglyphis cursor</i> . <i>Animal Behaviour</i> , 2008, 75, 151-158.	1.9	36
53	Seasonal nestmate recognition in the polydomous ant <i>Plagiolepis pygmaea</i> . <i>Animal Behaviour</i> , 2008, 75, 1023-1030.	1.9	26
54	Roost and hunting site fidelity of female and juvenile Daubenton's bat <i>Myotis daubentonii</i> (Kuhl, 1817) (Chiroptera: Vespertilionidae). <i>Mammalian Biology</i> , 2008, 73, 267-275.	1.5	25

#	ARTICLE	IF	CITATIONS
55	Isolation and characterization of microsatellite loci from the invasive ant <i>Pheidole megacephala</i> . <i>Molecular Ecology Resources</i> , 2008, 8, 919-922.	4.8	5
56	The genetic population structure of the ant <i>Plagiolepis xene</i> -implications for genetic vulnerability of obligate social parasites. <i>Conservation Genetics</i> , 2006, 7, 241-250.	1.5	14
57	Local resource competition and sex ratio in the ant <i>Cataglyphis cursor</i> . <i>Behavioral Ecology</i> , 2006, 17, 569-574.	2.2	35
58	When Hymenopteran Males Reinvented Diploidy. <i>Current Biology</i> , 2005, 15, 824-827.	3.9	67
59	Primary sex ratio adjustment by ant queens in response to local mate competition. <i>Animal Behaviour</i> , 2005, 69, 1031-1035.	1.9	18
60	Dual mechanism of queen influence over sex ratio in the ant <i>Pheidole pallidula</i> . <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 527-533.	1.4	33
61	Ovarian activity correlates with extreme changes in cuticular hydrocarbon profile in the highly polygynous ant, <i>Linepithema humile</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 585-593.	2.0	61
62	Conditional Use of Sex and Parthenogenesis for Worker and Queen Production in Ants. <i>Science</i> , 2004, 306, 1780-1783.	12.6	153
63	Evolution of miniaturisation in inquiline parasitic ants: Timing of male elimination in <i>Plagiolepis pygmaea</i> , the host of <i>Plagiolepis xene</i> . <i>Insectes Sociaux</i> , 2004, 51, 395-399.	1.2	21
64	Brood sex ratio determination by flow cytometry in ants. <i>Molecular Ecology Notes</i> , 2003, 3, 471-475.	1.7	27
65	Split Sex Ratios in Perennial Social Hymenoptera: A Mixed Evolutionary Stable Strategy from the Queens' Perspective?. <i>American Naturalist</i> , 2003, 162, 624-637.	2.1	16
66	Investigation of the population genetic structure and mating system in the ant <i>Pheidole pallidula</i> . <i>Molecular Ecology</i> , 2002, 11, 1805-1814.	3.9	23
67	Reproductive strategy: an essential component in the success of incipient colonies of the invasive Argentine ant. <i>Insectes Sociaux</i> , 2001, 48, 25-27.	1.2	23
68	Role of resource availability on sex, caste and reproductive allocation ratios in the Argentine ant <i>Linepithema humile</i> . <i>Journal of Animal Ecology</i> , 2001, 70, 831-839.	2.8	58
69	Absolute configuration of anabasine from <i>Messor</i> and <i>Aphaenogaster</i> ants. <i>Journal of Chemical Ecology</i> , 2001, 27, 945-952.	1.8	19
70	Mode of colony foundation influences the primary sex ratio in ants. <i>Animal Behaviour</i> , 1999, 57, 325-329.	1.9	7
71	Self-organization in social insects. <i>Trends in Ecology and Evolution</i> , 1997, 12, 188-193.	8.7	534
72	Internest sex-ratio variation and male brood survival in the ant <i>Pheidole pallidula</i> . <i>Behavioral Ecology</i> , 1996, 7, 292-298.	2.2	59

#	ARTICLE	IF	CITATIONS
73	Queen-worker conflict over sex ratio: A comparison of primary and secondary sex ratios in the Argentine ant, <i>Iridomyrmex humilis</i> . <i>Journal of Evolutionary Biology</i> , 1994, 7, 403-418.	1.7	82
74	Small-scale spatial genetic structure in an ant species with sex-biased dispersal. <i>Biological Journal of the Linnean Society</i> , 0, 93, 465-473.	1.6	27
75	Sociogenetic structure, reproductive strategies and queen replacement in the erratic ant (<i>Tapinoma erraticum</i>). <i>Biological Journal of the Linnean Society</i> , 0, , .	1.6	0
76	Chromosome-level genome assembly and annotation of two lineages of the ant <i>Cataglyphis hispanica</i> : stepping stones towards genomic studies of hybridogenesis and thermal adaptation in desert ants. , 0, 2, .		5