Adalgisa Caccone

List of Publications by Year
in descending order

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Version: 2024-02-01

123 papers	4,747 citations	100601 38 h-index	145109 60 g-index
127 all docs	127 docs citations	127 times ranked	5855 citing authors

#	Article	IF	Citations
1	Realâ€time geographic settling of a hybrid zone between the invasive winter moth (Operophtera) Tj ETQq1 1 0.784314 rgBT /Overlo 6617-6633.	2.0	2
2	A new lineage of Galapagos giant tortoises identified from museum samples. Heredity, 2022, 128, 261-270.	1.2	3
3	The Galapagos giant tortoise Chelonoidis phantasticus is not extinct. Communications Biology, 2022, 5, .	2.0	3
4	Species delimitation and invasion history of the balsam woolly adelgid, Adelges (Dreyfusia) piceae (Hemiptera: Aphidoidea: Adelgidae), species complex. Systematic Entomology, 2021, 46, 186-204.	1.7	10
5	Evolution and phylogenetics. , 2021, , 117-138.		3
6	A machine-learning approach to map landscape connectivity in Aedes aegypti with genetic and environmental data. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	27
7	Northern Fennoscandia via the British Isles: evidence for a novel post-glacial recolonization route by winter moth (Operophtera brumata). Frontiers of Biogeography, 2021, 13, .	0.8	3
8	A machine learning approach to integrating genetic and ecological data in tsetse flies (Glossina) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1762-1777.	1.5	6
9	Four times out of Europe: Serial invasions of the winter moth, Operophtera brumata , to North America. Molecular Ecology, 2021, 30, 3439-3452.	2.0	3
10	Demographic history and patterns of molecular evolution from whole genome sequencing in the radiation of Galapagos giant tortoises. Molecular Ecology, 2021, 30, 6325-6339.	2.0	7
11	Seeking compromise across competing goals in conservation translocations: The case of the â€˜extinctâ€™ Floreana Island Galapagos giant tortoise. Journal of Applied Ecology, 2020, 57, 136-148.	1.9	3
12	Restorationâ€mediated secondary contact leads to introgression of alewife ecotypes separated by a colonialâ€era dam. Evolutionary Applications, 2020, 13, 652-664.	1.5	10
13	Colonization history of Galapagos giant tortoises: Insights from mitogenomes support the progression rule. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 1262-1275.	0.6	14
14	Improved reference genome of the arboviral vector Aedes albopictus. Genome Biology, 2020, 21, 215.	3.8	65
15	Phylogeography and population structure of the tsetse fly Glossina pallidipes in Kenya and the Serengeti ecosystem. PLoS Neglected Tropical Diseases, 2020, 14, e0007855.	1.3	6
16	Evolution of kdr haplotypes in worldwide populations of Aedes aegypti: Independent origins of the F1534C kdr mutation. PLoS Neglected Tropical Diseases, 2020, 14, e0008219.	1.3	40
17	Complex interplay of evolutionary forces shaping population genomic structure of invasive Aedes albopictus in southern Europe. PLoS Neglected Tropical Diseases, 2019, 13, e0007554.	1.3	25
18	Widespread hybridization among native and invasive species of Operophtera moths (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	8

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19	Patterns, Mechanisms and Genetics of Speciation in Reptiles and Amphibians. Genes, 2019, 10, 646.	1.0	33
20	Spatio-temporal distribution of Spiroplasma infections in the tsetse fly (Glossina fuscipes fuscipes) in northern Uganda. PLoS Neglected Tropical Diseases, 2019, 13, e0007340.	1.3	22
21	Significant Genetic Impacts Accompany an Urban Rat Control Campaign in Salvador, Brazil. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	9
22	Genetically informed captive breeding of hybrids of an extinct species of Galapagos tortoise. Conservation Biology, 2019, 33, 1404-1414.	2.4	18
23	Identification of winter moth (Operophtera brumata) refugia in North Africa and the Italian Peninsula during the last glacial maximum. Ecology and Evolution, 2019, 9, 13931-13941.	0.8	9
24	The population genomics of multiple tsetse fly (Glossina fuscipes fuscipes) admixture zones in Uganda. Molecular Ecology, 2019, 28, 66-85.	2.0	11
25	Giant tortoise genomes provide insights into longevity and age-related disease. Nature Ecology and Evolution, 2019, 3, 87-95.	3.4	79
26	Genetic Markers of Benzimidazole Resistance among Human Hookworms (Necator americanus) in Kintampo North Municipality, Ghana. American Journal of Tropical Medicine and Hygiene, 2019, 100, 351-356.	0.6	35
27	Genetic Pedigree Analysis of the Pilot Breeding Program for the Rediscovered Galapagos Giant Tortoise from Floreana Island. Journal of Heredity, 2018, 109, 620-630.	1.0	11
28	Temporal Mitogenomics of the Galapagos Giant Tortoise from PinzÃ³n Reveals Potential Biases in Population Genetic Inference. Journal of Heredity, 2018, 109, 631-640.	1.0	12
29	Cryptic east-west divergence and molecular diagnostics for two species of silver flies (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1 woolly adelgid. Biological Control, 2018, 121, 23-29.	1.4	20
30	Uncovering Genomic Regions Associated withTrypanosomaInfections in Wild Populations of the Tsetse FlyGlossina fuscipes. G3: Genes, Genomes, Genetics, 2018, 8, 887-897.	0.8	8
31	Theory, practice, and conservation in the age of genomics: The GalÃ¡pagos giant tortoise as a case study. Evolutionary Applications, 2018, 11, 1084-1093.	1.5	28
32	Population genomics through time provides insights into the consequences of decline and rapid demographic recovery through headâ€starting in a Galapagos giant tortoise. Evolutionary Applications, 2018, 11, 1811-1821.	1.5	29
33	Editing nature: Local roots of global governance. Science, 2018, 362, 527-529.	6.0	67
34	Genome-Wide Assessment of Diversity and Divergence Among Extant Galapagos Giant Tortoise Species. Journal of Heredity, 2018, 109, 611-619.	1.0	22
35	Urban rat races: spatial population genomics of brown rats (Rattus norvegicus) compared across multiple cities. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180245.	1.2	48
36	A spatial genetics approach to inform vector control of tsetse flies (Glossina fuscipes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (fu	0.8	8

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37	Genetic Differentiation of Glossina pallidipes Tsetse Flies in Southern Kenya. American Journal of Tropical Medicine and Hygiene, 2018, 99, 945-953.	0.6	8
38	Using fineâ€scale spatial genetics of Norway rats to improve control efforts and reduce leptospirosis risk in urban slum environments. Evolutionary Applications, 2017, 10, 323-337.	1.5	43
39	Population genomics of the Asian tiger mosquito, Aedes albopictus: insights into the recent worldwide invasion. Ecology and Evolution, 2017, 7, 10143-10157.	0.8	89
40	Identification of Genetically Important Individuals of the Rediscovered Floreana GalÃ¡pagos Giant Tortoise (Chelonoidis elephantopus) Provides Founders for Species Restoration Program. Scientific Reports, 2017, 7, 11471.	1.6	27
41	Genomic insights into the ancient spread of Lyme disease across North America. Nature Ecology and Evolution, 2017, 1, 1569-1576.	3.4	39
42	Postglacial recolonization shaped the genetic diversity of the winter moth (Operophtera brumata) in Europe. Ecology and Evolution, 2017, 7, 3312-3323.	0.8	7
43	Self-righting potential and the evolution of shell shape in GalÃ¡pagos tortoises. Scientific Reports, 2017, 7, 15828.	1.6	27
44	Genetic diversity of Glossina fuscipes fuscipes along the shores of Lake Victoria in Tanzania and Kenya: implications for management. Parasites and Vectors, 2017, 10, 268.	1.0	5
45	Genomic analyses of African Trypanozoon strains to assess evolutionary relationships and identify markers for strain identification. PLoS Neglected Tropical Diseases, 2017, 11, e0005949.	1.3	13
46	Multiple evolutionary origins of Trypanosoma evansi in Kenya. PLoS Neglected Tropical Diseases, 2017, 11, e0005895.	1.3	27
47	Temporal genetic differentiation in Glossina pallidipes tsetse fly populations in Kenya. Parasites and Vectors, 2017, 10, 471.	1.0	14
48	Genetic diversity and population structure of the tsetse fly Glossina fuscipes fuscipes (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 2017, 11, e0005485.	1.3	26
49	Tracking the return of Aedes aegypti to Brazil, the major vector of the dengue, chikungunya and Zika viruses. PLoS Neglected Tropical Diseases, 2017, 11, e0005653.	1.3	77
50	Babesia microti from humans and ticks hold a genomic signature of strong population structure in the United States. BMC Genomics, 2016, 17, 888.	1.2	15
51	Was Frozen Mammoth or Giant Ground Sloth Served for Dinner at The Explorers Club?. PLoS ONE, 2016, 11, e0146825.	1.1	4
52	Ancient and modern colonization of North America by hemlock woolly adelgid, Adelges tsugae (Hemiptera: Adelgidae), an invasive insect from East Asia. Molecular Ecology, 2016, 25, 2065-2080.	2.0	64
53	Patterns of Genome-Wide Variation in Glossina fuscipes fuscipes Tsetse Flies from Uganda. G3: Genes, Genomes, Genetics, 2016, 6, 1573-1584.	0.8	12
54	Ecological and evolutionary influences on body size and shape in the GalÃ¡pagos marine iguana (Amblyrhynchus cristatus). Oecologia, 2016, 181, 885-894.	0.9	9

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55	Whole genome sequencing shows sleeping sickness relapse is due to parasite regrowth and not reinfection. Evolutionary Applications, 2016, 9, 381-393.	1.5	12
56	Potential arms race in the coevolution of primates and angiosperms: brazzein sweet proteins and gorilla taste receptors. American Journal of Physical Anthropology, 2016, 161, 181-185.	2.1	6
57	Global population divergence and admixture of the brown rat (Rattus norvegicus). Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161762.	1.2	119
58	Evidence of temporal stability in allelic and mitochondrial haplotype diversity in populations of Glossina fuscipes fuscipes (Diptera: Glossinidae) in northern Uganda. Parasites and Vectors, 2016, 9, 258.	1.0	13
59	Comparative genomics of drug resistance in Trypanosoma brucei rhodesiense. Cellular and Molecular Life Sciences, 2016, 73, 3387-3400.	2.4	22
60	Multiple Paternity in the Norway Rat,Rattus norvegicus, from Urban Slums in Salvador, Brazil. Journal of Heredity, 2016, 107, 181-186.	1.0	13
61	De Novo Genome Assembly Shows Genome Wide Similarity between Trypanosoma brucei brucei and Trypanosoma brucei rhodesiense. PLoS ONE, 2016, 11, e0147660.	1.1	21
62	Vectors as Epidemiological Sentinels: Patterns of Within-Tick Borrelia burgdorferi Diversity. PLoS Pathogens, 2016, 12, e1005759.	2.1	28
63	I-HEDGE: determining the optimum complementary sets of taxa for conservation using evolutionary isolation. PeerJ, 2016, 4, e2350.	0.9	17
64	Mitochondrial DNA sequence divergence and diversity of Glossina fuscipes fuscipes in the Lake Victoria basin of Uganda: implications for control. Parasites and Vectors, 2015, 8, 385.	1.0	7
65	Hybridization masks speciation in the evolutionary history of the GalÃ¡pagos marine iguana. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150425.	1.2	52
66	Genetics of a head-start program to guide conservation of an endangered GalÃ¡pagos tortoise (Chelonoidis ephippium). Conservation Genetics, 2015, 16, 823-832.	0.8	18
67	Naturally rare versus newly rare: demographic inferences on two timescales inform conservation of GalÃ¡pagos giant tortoises. Ecology and Evolution, 2015, 5, 676-694.	0.8	28
68	Genetic Diversity and Population Structure of Trypanosoma brucei in Uganda: Implications for the Epidemiology of Sleeping Sickness and Nagana. PLoS Neglected Tropical Diseases, 2015, 9, e0003353.	1.3	25
69	Whole genome capture of vector-borne pathogens from mixed DNA samples: a case study of Borrelia burgdorferi. BMC Genomics, 2015, 16, 434.	1.2	38
70	Description of a New Galapagos Giant Tortoise Species (Chelonoidis; Testudines: Testudinidae) from Cerro Fatal on Santa Cruz Island. PLoS ONE, 2015, 10, e0138779.	1.1	54
71	Comparative Genomics Reveals Multiple Genetic Backgrounds of Human Pathogenicity in the Trypanosoma brucei Complex. Genome Biology and Evolution, 2014, 6, 2811-2819.	1.1	39
72	HUMAN IMPACTS HAVE SHAPED HISTORICAL AND RECENT EVOLUTION INAEDES AEGYPTI, THE DENGUE AND YELLOW FEVER MOSQUITO. Evolution; International Journal of Organic Evolution, 2014, 68, 514-525.	1.1	225

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73	Habitat fragmentation and the genetic structure of the Amazonian palm Mauritia flexuosa L.f. (Arecaceae) on the island of Trinidad. Conservation Genetics, 2014, 15, 355-362.	0.8	9
74	Lineage fusion in <scp>G</scp>alÃ¡pagos giant tortoises. Molecular Ecology, 2014, 23, 5276-5290.	2.0	59
75	Analysis of Multiple Tsetse Fly Populations in Uganda Reveals Limited Diversity and Species-Specific Gut Microbiota. Applied and Environmental Microbiology, 2014, 80, 4301-4312.	1.4	95
76	Wolbachia association with the tsetse fly, Glossina fuscipes fuscipes, reveals high levels of genetic diversity and complex evolutionary dynamics. BMC Evolutionary Biology, 2013, 13, 31.	3.2	25
77	Urban population genetics of slumâ€dwelling rats (<scp>R</scp>attus norvegicus) in <scp>S</scp>alvador, <scp>B</scp>razil. Molecular Ecology, 2013, 22, 5056-5070.	2.0	52
78	The genetic legacy of Lonesome George survives: Giant tortoises with Pinta Island ancestry identified in GalÃ¡pagos. Biological Conservation, 2013, 157, 225-228.	1.9	39
79	Glossina fuscipes populations provide insights for human African trypanosomiasis transmission in Uganda. Trends in Parasitology, 2013, 29, 394-406.	1.5	47
80	Genetically DistinctGlossina fuscipes fuscipesPopulations in the Lake Kyoga Region of Uganda and Its Relevance for Human African Trypanosomiasis. BioMed Research International, 2013, 2013, 1-12.	0.9	17
81	Recovery of a nearly extinct <scp>G</scp>alÃ¡pagos tortoise despite minimal genetic variation. Evolutionary Applications, 2013, 6, 377-383.	1.5	42
82	Trypanosoma brucei gambiense Group 1 Is Distinguished by a Unique Amino Acid Substitution in the HpHb Receptor Implicated in Human Serum Resistance. PLoS Neglected Tropical Diseases, 2012, 6, e1728.	1.3	50
83	Hybridization between a native and introduced predator of Adelgidae: An unintended result of classical biological control. Biological Control, 2012, 63, 359-369.	1.4	72
84	The population structure of Glossina fuscipes fuscipes in the Lake Victoria basin in Uganda: implications for vector control. Parasites and Vectors, 2012, 5, 222.	1.0	27
85	Lineage Identification and Genealogical Relationships Among Captive GalÃ¡pagos Tortoises. Zoo Biology, 2012, 31, 107-120.	0.5	16
86	Implications of Microfauna-Host Interactions for Trypanosome Transmission Dynamics in Glossina fuscipes fuscipes in Uganda. Applied and Environmental Microbiology, 2012, 78, 4627-4637.	1.4	45
87	Isolation of 13 novel highly polymorphic microsatellite loci for the Amazonian Palm Mauritia flexuosa L.f. (Arecaceae). Conservation Genetics Resources, 2012, 4, 355-357.	0.4	6
88	Unravelling the peculiarities of island life: vicariance, dispersal and the diversification of the extinct and extant giant GalÃ¡pagos tortoises. Molecular Ecology, 2012, 21, 160-173.	2.0	88
89	Genetic rediscovery of an â€˜extinctâ€™ GalÃ¡pagos giant tortoise species. Current Biology, 2012, 22, R10-R11.	1.8	46
90	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2010â€“31 January 2011. Molecular Ecology Resources, 2011, 11, 586-589.	2.2	38

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91	Temporal stability of Glossina fuscipes fuscipes populations in Uganda. Parasites and Vectors, 2011, 4, 19.	1.0	27
92	Genetic diversity and population structure of Glossina pallidipes in Uganda and western Kenya. Parasites and Vectors, 2011, 4, 122.	1.0	32
93	Phylogeography and Taxonomy of Trypanosoma brucei. PLoS Neglected Tropical Diseases, 2011, 5, e961.	1.3	84
94	DNA from the Past Informs Ex Situ Conservation for the Future: An â€œExtinctâ€•Species of GalÃ¡pagos Tortoise Identified in Captivity. PLoS ONE, 2010, 5, e8683.	1.1	36
95	Phylogeography and Population Structure of Glossina fuscipes fuscipes in Uganda: Implications for Control of Tsetse. PLoS Neglected Tropical Diseases, 2010, 4, e636.	1.3	44
96	Morphometrics Parallel Genetics in a Newly Discovered and Endangered Taxon of GalÃ¡pagos Tortoise. PLoS ONE, 2009, 4, e6272.	1.1	34
97	Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. Molecular Ecology, 2008, 17, 582-597.	2.0	118
98	Microsatellite analysis of genetic divergence among populations of giant GalÃ¡pagos tortoises. Molecular Ecology, 2008, 11, 2265-2283.	2.0	88
99	Historical DNA analysis reveals living descendants of an extinct species of GalÃ¡pagos tortoise. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15464-15469.	3.3	79
100	Colonization and diversification of GalÃ¡pagos terrestrial fauna: a phylogenetic and biogeographical synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3347-3361.	1.8	167
101	High Levels of Genetic Differentiation between Ugandan Glossina fuscipes fuscipes Populations Separated by Lake Kyoga. PLoS Neglected Tropical Diseases, 2008, 2, e242.	1.3	35
102	Multiple Origins of Knockdown Resistance Mutations in the Afrotropical Mosquito Vector Anopheles gambiae. PLoS ONE, 2007, 2, e1243.	1.1	108
103	Giant GalÃ¡pagos tortoises; molecular genetic analyses identify a trans-island hybrid in a repatriation program of an endangered taxon. BMC Ecology, 2007, 7, 2.	3.0	22
104	Lonesome George is not alone among GalÃ¡pagos tortoises. Current Biology, 2007, 17, R317-R318.	1.8	49
105	Characterization of polymorphic microsatellite loci for the polychaete tubeworm Hobsonia florida. Molecular Ecology Notes, 2006, 6, 390-392.	1.7	1
106	Characterization of di-, tri- and tetranucleotide microsatellite markers with perfect repeats for Trypanosoma brucei and related species. Molecular Ecology Notes, 2006, 6, 508-510.	1.7	19
107	A set of highly discriminating microsatellite loci for the Galapagos marine iguana Amblyrhynchus cristatus. Molecular Ecology Notes, 2006, 6, 927-929.	1.7	6
108	Development of new microsatellite loci and evaluation of loci from other pinniped species for the GalÃ¡pagos sea lion (Zalophus californianus wollebaeki). Conservation Genetics, 2006, 7, 461-465.	0.8	21

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109	Patterns of association between Symbiodinium and members of the Montastraea annularis species complex on spatial scales ranging from within colonies to between geographic regions. Coral Reefs, 2006, 25, 503-512.	0.9	72
110	Mitochondrial DNA from Hemlock Woolly Adelgid (Hemiptera: Adelgidae) Suggests Cryptic Speciation and Pinpoints the Source of the Introduction to Eastern North America. Annals of the Entomological Society of America, 2006, 99, 195-203.	1.3	194
111	Phylogeographic History and Gene Flow Among Giant Galaìpagos Tortoises on Southern Isabela Island. Genetics, 2006, 172, 1727-1744.	1.2	40
112	A cryptic taxon of GalÃ¡pagos tortoise in conservation peril. Biology Letters, 2005, 1, 287-290.	1.0	71
113	Genetic analysis of a successful repatriation programme: giant GalÃ¡pagos tortoises. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 341-345.	1.2	51
114	Potential genetic consequences of a recent bottleneck in the Amur tiger of. Conservation Genetics, 2004, 5, 707-713.	0.8	36
115	Extreme difference in rate of mitochondrial and nuclear DNA evolution in a large ectotherm, GalÃ¡pagos tortoises. Molecular Phylogenetics and Evolution, 2004, 31, 794-798.	1.2	58
116	Giant tortoises are not so slow: Rapid diversification and biogeographic consensus in the Galapagos. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6514-6519.	3.3	70
117	Title is missing!. Conservation Genetics, 2003, 4, 31-46.	0.8	75
118	The origin of captive GalÃ¡pagos tortoises based on DNA analysis: implications for the management of natural populations. Animal Conservation, 2003, 6, 329-337.	1.5	28
119	Genes Record a Prehistoric Volcano Eruption in the Galapagos. Science, 2003, 302, 75-75.	6.0	69
120	PHYLOGEOGRAPHY AND HISTORY OF GIANT GALAPAGOS TORTOISES. Evolution; International Journal of Organic Evolution, 2002, 56, 2052-2066.	1.1	128
121	MOLECULAR BIOGEOGRAPHY OF CAVE LIFE: A STUDY USING MITOCHONDRIAL DNA FROM BATHYSCIINE BEETLES. Evolution; International Journal of Organic Evolution, 2001, 55, 122-130.	1.1	99
122	Multiple Origins of Cytologically Identical Chromosome Inversions in the Anopheles gambiae Complex. Genetics, 1998, 150, 807-814.	1.2	31
123	Using digital images to reconstruct three-dimensional biological forms: a new tool for morphological studies. Biological Journal of the Linnean Society, 0, 95, 425-436.	0.7	32