Ary Anthony Hoffmann

List of Publications by Year
in descending order

807	55,271	1994 101	2747 192
papers	citations	h-index	g-index

866	866	866	32685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate change and evolutionary adaptation. Nature, 2011, 470, 479-485.	27.8	2,489
2	Successful establishment of Wolbachia in Aedes populations to suppress dengue transmission. Nature, 2011, 476, 454-457.	27.8	1,261
3	The wMel Wolbachia strain blocks dengue and invades caged Aedes aegypti populations. Nature, 2011, 476, 450-453.	27.8	1,092
4	Adaptation of Drosophila to temperature extremes: bringing together quantitative and molecular approaches. Journal of Thermal Biology, 2003, 28, 175-216.	2.5	896
5	The broad footprint of climate change from genes to biomes to people. Science, 2016, 354, .	12.6	883
6	Towards an Integrated Framework for Assessing the Vulnerability of Species to Climate Change. PLoS Biology, 2008, 6, e325.	5.6	880
7	Assessing species vulnerability to climate change. Nature Climate Change, 2015, 5, 215-224.	18.8	856
8	Limits to the Adaptive Potential of Small Populations. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 433-458.	8.3	705
9	Assessing the benefits and risks of translocations in changing environments: a genetic perspective. Evolutionary Applications, 2011, 4, 709-725.	3.1	661
10	Heritable variation and evolution under favourable and unfavourable conditions. Trends in Ecology and Evolution, 1999, 14, 96-101.	8.7	643
11	Building evolutionary resilience for conserving biodiversity under climate change. Evolutionary Applications, 2011, 4, 326-337.	3.1	617
12	Rapid spread of an inherited incompatibility factor in California Drosophila. Nature, 1991, 353, 440-442.	27.8	609
13	GENETIC ISOLATION BY ENVIRONMENT OR DISTANCE: WHICH PATTERN OF GENE FLOW IS MOST COMMON?. Evolution; International Journal of Organic Evolution, 2014, 68, 1-15.	2.3	598
14	Revisiting the Impact of Inversions in Evolution: From Population Genetic Markers to Drivers of Adaptive Shifts and Speciation?. Annual Review of Ecology, Evolution, and Systematics, 2008, 39, 21-42.	8.3	553
15	A REASSESSMENT OF GENETIC LIMITS TO EVOLUTIONARY CHANGE. Ecology, 2005, 86, 1371-1384.	3.2	532
16	Upper thermal limits in terrestrial ectotherms: how constrained are they?. Functional Ecology, 2013, 27, 934-949.	3.6	519
17	Species borders: ecological and evolutionary perspectives. Trends in Ecology and Evolution, 1994, 9, 223-227.	8.7	468
18	Upper thermal limits of Drosophila are linked to species distributions and strongly constrained phylogenetically. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16228-16233.	7.1	454

#	Article	IF	Citations
19	Geographical limits to species-range shifts are suggested by climate velocity. Nature, 2014, 507, 492-495.	27.8	436
20	Detecting genetic responses to environmental change. Nature Reviews Genetics, 2008, 9, 421-432.	16.3	434
21	Incompatible and sterile insect techniques combined eliminate mosquitoes. Nature, 2019, 572, 56-61.	27.8	430
22	Adapting to climate change: a perspective from evolutionary physiology. Climate Research, 2010, 43, 3-15.	1.1	414
23	Opposing clines for high and low temperature resistance in Drosophila melanogaster. Ecology Letters, 2002, 5, 614-618.	6.4	413
24	Fundamental Evolutionary Limits in Ecological Traits Drive Drosophila Species Distributions. Science, 2009, 325, 1244-1246.	12.6	381
25	From Parasite to Mutualist: Rapid Evolution of Wolbachia in Natural Populations of Drosophila. PLoS Biology, 2007, 5, e114.	5.6	375
26	Integrating biophysical models and evolutionary theory to predict climatic impacts on speciesâ€™ ranges: the dengue mosquitoAedes aegyptiin Australia. Functional Ecology, 2009, 23, 528-538.	3.6	365
27	Genetics of Climate Change Adaptation. Annual Review of Genetics, 2012, 46, 185-208.	7.6	365
28	What Can Plasticity Contribute to Insect Responses to Climate Change?. Annual Review of Entomology, 2016, 61, 433-451.	11.8	362
29	A Rapid Shift in a Classic Clinal Pattern in Drosophila Reflecting Climate Change. Science, 2005, 308, 691-693.	12.6	352
30	Ecologically relevant measures of tolerance to potentially lethal temperatures. Journal of Experimental Biology, 2011, 214, 3713-3725.	1.7	352
31	Genetic correlations, tradeoffs and environmental variation. Heredity, 2004, 93, 241-248.	2.6	350
32	UNIDIRECTIONAL INCOMPATIBILITY BETWEEN POPULATIONS OF DROSOPHILA SIMULANS. Evolution; International Journal of Organic Evolution, 1986, 40, 692-701.	2.3	341
33	Predicting the effects of climate change on natural enemies of agricultural pests. Biological Control, 2010, 52, 296-306.	3.0	332
34	Value of longâ€term ecological studies. Austral Ecology, 2012, 37, 745-757.	1.5	326
35	Physiological climatic limits inDrosophila: patterns and implications. Journal of Experimental Biology, 2010, 213, 870-880.	1.7	310
36	Low Potential for Climatic Stress Adaptation in a Rainforest Drosophila Species. Science, 2003, 301, 100-102.	12.6	308

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37	Male size and mating success in Drosophila melanogaster and D. pseudoobscura under field conditions. Animal Behaviour, 1987, 35, 468-476.	1.9	294
38	Environmental Stress as an Evolutionary Force. BioScience, 2000, 50, 217.	4.9	292
39	Evolution of phenotypic plasticity in extreme environments. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160138.	4.0	267
40	PHYLOGENETIC CONSTRAINTS IN KEY FUNCTIONAL TRAITS BEHIND SPECIESâ€™ CLIMATE NICHES: PATTERNS OF DESICCATION AND COLD RESISTANCE ACROSS 95DROSOPHILASPECIES. Evolution; International Journal of Organic Evolution, 2012, 66, 3377-3389.	2.3	261
41	Stability of the wMel Wolbachia Infection following Invasion into Aedes aegypti Populations. PLoS Neglected Tropical Diseases, 2014, 8, e3115.	3.0	261
42	Establishment of Wolbachia Strain wAlbB in Malaysian Populations of Aedes aegypti for Dengue Control. Current Biology, 2019, 29, 4241-4248.e5.	3.9	257
43	Climate change vulnerability assessment of species. Wiley Interdisciplinary Reviews: Climate Change, 2019, 10, e551.	8.1	255
44	Desiccation and starvation resistance in Drosophila: patterns of variation at the species, population and intrapopulation levels. Heredity, 1999, 83, 637-643.	2.6	252
45	Climatic selection on genes and traits after a 100Âyear-old invasion: a critical look at the temperate-tropical clines in Drosophila melanogaster from eastern Australia. Genetica, 2007, 129, 133-147.	1.1	246
46	Temporal expression of heat shock genes during cold stress and recovery from chill coma in adult Drosophilaâ€ƒmelanogaster. FEBS Journal, 2010, 277, 174-185.	4.7	246
47	Laboratory selection experiments using Drosophila: what do they really tell us?. Trends in Ecology and Evolution, 2000, 15, 32-36.	8.7	233
48	LOCAL ADAPTATION AND COGRADIENT SELECTION IN THE ALPINE PLANT, POA HIEMATA, ALONG A NARROW ALTITUDINAL GRADIENT. Evolution; International Journal of Organic Evolution, 2007, 61, 2925-2941.	2.3	224
49	Population Dynamics of the Wolbachia Infection Causing Cytoplasmic Incompatibility in Drosophila melanogaster. Genetics, 1998, 148, 221-231.	2.9	223
50	Thermal Tolerance in Widespread and TropicalDrosophilaSpecies: Does Phenotypic Plasticity Increase with Latitude?. American Naturalist, 2011, 178, S80-S96.	2.1	219
51	Naturally-occurring Wolbachia infection in Drosophila simulans that does not cause cytoplasmic incompatibility. Heredity, 1996, 76, 1-8.	2.6	218
52	Chromosomal inversion polymorphisms and adaptation. Trends in Ecology and Evolution, 2004, 19, 482-488.	8.7	217
53	Costs and benefits of cold acclimation in field-released Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 216-221.	7.1	212
54	Biological invasions, climate change and genomics. Evolutionary Applications, 2015, 8, 23-46.	3.1	209

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55	An integrated approach to environmental stress tolerance and life-history variation: desiccation tolerance in Drosophila. Biological Journal of the Linnean Society, 1989, 37, 117-136.	1.6	206
56	Relative importance of plastic vs genetic factors in adaptive differentiation: geographical variation for stress resistance in Drosophila melanogaster from eastern Australia. Functional Ecology, 2005, 19, 222-227.	3.6	206
57	Male age, host effects and the weak expression or non-expression of cytoplasmic incompatibility in Drosophila strains infected by maternally transmitted Wolbachia. Genetical Research, 2002, 80, 79-87.	0.9	203
58	Local introduction and heterogeneous spatial spread of dengue-suppressing Wolbachia through an urban population of Aedes aegypti. PLoS Biology, 2017, 15, e2001894.	5.6	202
59	Incorporating evolutionary adaptation in species distribution modelling reduces projected vulnerability to climate change. Ecology Letters, 2016, 19, 1468-1478.	6.4	200
60	Wolbachia Infections in Aedes aegypti Differ Markedly in Their Response to Cyclical Heat Stress. PLoS Pathogens, 2017, 13, e1006006.	4.7	198
61	A comprehensive assessment of geographic variation in heat tolerance and hardening capacity in populations of Drosophila melanogaster from eastern Australia. Journal of Evolutionary Biology, 2010, 23, 2484-2493.	1.7	193
62	The Impact of Climate Change on Fertility. Trends in Ecology and Evolution, 2019, 34, 249-259.	8.7	188
63	Revisiting Adaptive Potential, Population Size, and Conservation. Trends in Ecology and Evolution, 2017, 32, 506-517.	8.7	182
64	Sensitivity to thermal extremes in AustralianDrosophilaimplies similar impacts of climate change on the distribution of widespread and tropical species. Global Change Biology, 2014, 20, 1738-1750.	9.5	181
65	The Wolbachia strain wAu provides highly efficient virus transmission blocking in Aedes aegypti. PLoS Pathogens, 2018, 14, e1006815.	4.7	181
66	A framework for incorporating evolutionary genomics into biodiversity conservation and management. Climate Change Responses, 2015, 2, .	2.6	175
67	Field evaluation of the establishment potential of wmelpop Wolbachia in Australia and Vietnam for dengue control. Parasites and Vectors, 2015, 8, 563.	2.5	173
68	Environmental monitoring using next generation sequencing: rapid identification of macroinvertebrate bioindicator species. Frontiers in Zoology, 2013, 10, 45.	2.0	171
69	LEVELS OF VARIATION IN STRESS RESISTANCE IN DROSOPHILA AMONG STRAINS, LOCAL POPULATIONS, AND GEOGRAPHIC REGIONS: PATTERNS FOR DESICCATION, STARVATION, COLD RESISTANCE, AND ASSOCIATED TRAITS. Evolution; International Journal of Organic Evolution, 2001, 55, 1621-1630.	2.3	169
70	Rapid Sequential Spread of Two Wolbachia Variants in Drosophila simulans. PLoS Pathogens, 2013, 9, e1003607.	4.7	169
71	Wolbachia strains for disease control: ecological and evolutionary considerations. Evolutionary Applications, 2015, 8, 751-768.	3.1	168
72	Dynamics of the â€œPopcornâ€•Wolbachia Infection in Outbred Aedes aegypti Informs Prospects for Mosquito Vector Control. Genetics, 2011, 187, 583-595.	2.9	162

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73	Maternal and grandmaternal age influence offspring fitness inDrosophila. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2105-2110.	2.6	160
74	Establishment of wMel Wolbachia in Aedes aegypti mosquitoes and reduction of local dengue transmission in Cairns and surrounding locations in northern Queensland, Australia. Gates Open Research, 2019, 3, 1547.	1.1	160
75	Environmental effects on cytoplasmic incompatibility and bacterial load in Wolbachia-infected Drosophila simulans. Entomologia Experimentalis Et Applicata, 1998, 86, 13-24.	1.4	159
76	Microbe-induced cytoplasmic incompatibility as a mechanism for introducing transgenes into arthropod populations. Insect Molecular Biology, 1999, 8, 243-255.	2.0	159
77	Comparing phenotypic effects and molecular correlates of developmental, gradual and rapid cold acclimation responses in Drosophila melanogaster. Functional Ecology, 2012, 26, 84-93.	3.6	157
78	Genome-wide SNPs lead to strong signals of geographic structure and relatedness patterns in the major arbovirus vector, Aedes aegypti. BMC Genomics, 2014, 15, 275.	2.8	157
79	Establishment of wMel Wolbachia in Aedes aegypti mosquitoes and reduction of local dengue transmission in Cairns and surrounding locations in northern Queensland, Australia. Gates Open Research, 2019, 3, 1547.	1.1	157
80	Consequences of Heat Hardening on a Field Fitness Component in Drosophila Depend on Environmental Temperature. American Naturalist, 2007, 169, 175-183.	2.1	152
81	Thermal ramping rate influences evolutionary potential and species differences for upper thermal limits in Drosophila. Functional Ecology, 2010, 24, 694-700.	3.6	152
82	Selection for starvation resistance inDrosophila melanogasterâ€Š: physiological correlates, enzyme activities and multiple stress responses. Journal of Evolutionary Biology, 1999, 12, 370-379.	1.7	150
83	Geographical Variation in the Acclimation Responses of Drosophila to Temperature Extremes. American Naturalist, 1993, 142, S93-S113.	2.1	148
84	Complexity of the cold acclimation response in Drosophila melanogaster. Journal of Insect Physiology, 2006, 52, 94-104.	2.0	148
85	Unidirectional Incompatibility between Populations of Drosophila simulans. Evolution; International Journal of Organic Evolution, 1986, 40, 692.	2.3	147
86	RAPID LOSS OF STRESS RESISTANCE IN DROSOPHILA MELANOGASTER UNDER ADAPTATION TO LABORATORY CULTURE. Evolution; International Journal of Organic Evolution, 2001, 55, 436-438.	2.3	141
87	Wolbachia dynamics and host effects: what has (and has not) been demonstrated?. Trends in Ecology and Evolution, 2002, 17, 257-262.	8.7	135
88	A laboratory study of male territoriality in the sibling species Drosophila melanogaster and D. simulans. Animal Behaviour, 1987, 35, 807-818.	1.9	131
89	Clinal variation in Drosophila serrata for stress resistance and body size. Genetical Research, 2002, 79, 141-148.	0.9	131
90	Response of Two Heat Shock Genes to Selection for Knockdown Heat Resistance in Drosophila melanogaster. Genetics, 1996, 143, 1615-1627.	2.9	130

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91	Salinized rivers: degraded systems or new habitats for salt-tolerant faunas?. Biology Letters, 2016, 12, 20151072.	2.3	129
92	Rapid Global Spread of wRi-like Wolbachia across Multiple Drosophila. Current Biology, 2018, 28, 963-971.e8.	3.9	127
93	Matching the genetics of released and local Aedes aegypti populations is critical to assure Wolbachia invasion. PLoS Neglected Tropical Diseases, 2019, 13, e0007023.	3.0	125
94	Evolutionary Ecology of Wolbachia Releases for Disease Control. Annual Review of Genetics, 2019, 53, 93-116.	7.6	123
95	Identification of a candidate adaptive polymorphism forDrosophilalife history by parallel independent clines on two continents. Molecular Ecology, 2010, 19, 760-774.	3.9	119
96	Partial cytoplasmic incompatibility between two Australian populations of Drosophila melanogaster. Entomologia Experimentalis Et Applicata, 1988, 48, 61-67.	1.4	117
97	Comparing Different Measures of Heat Resistance in Selected Lines of Drosophila melanogaster. Journal of Insect Physiology, 1997, 43, 393-405.	2.0	117
98	The Effects of Host Age, Host Nuclear Background and Temperature on Phenotypic Effects of the Virulent Wolbachia Strain popcorn in Drosophila melanogaster. Genetics, 2003, 164, 1027-1034.	2.9	117
99	Demographic factors and genetic variation influence population persistence under environmental change. Journal of Evolutionary Biology, 2009, 22, 124-133.	1.7	114
100	Genetic rescue increases fitness and aids rapid recovery of an endangered marsupial population. Nature Communications, 2017, 8, 1071.	12.8	113
101	Direct and correlated responses to selection for desiccation resistance: a comparison of Drosophila melanogaster and D. simulans. Journal of Evolutionary Biology, 1993, 6, 643-657.	1.7	112
102	A c-Rel subdomain responsible for enhanced DNA-binding affinity and selective gene activation. Genes and Development, 2005, 19, 2138-2151.	5.9	111
103	PLASTICITY VERSUS ENVIRONMENTAL CANALIZATION: POPULATION DIFFERENCES IN THERMAL RESPONSES ALONG A LATITUDINAL GRADIENT INDROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2009, 63, 1954-1963.	2.3	111
104	GEOGRAPHIC VARIATION FOR WING SHAPE IN DROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2002, 56, 1068-1073.	2.3	110
105	Quantitative trait symmetry independent of Hsp90 buffering: Distinct modes of genetic canalization and developmental stability. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13396-13401.	7.1	110
106	Wolbachia-like organisms and cytoplasmic incompatibility in Drosophila simulans. Journal of Invertebrate Pathology, 1989, 54, 344-352.	3.2	108
107	DNA sequence variation and latitudinal associations in hsp23 , hsp26 and hsp27 from natural populations of Drosophila melanogaster. Molecular Ecology, 2003, 12, 2025-2032.	3.9	108
108	Evidence for a robust sex-specific trade-off between cold resistance and starvation resistance in Drosophila melanogaster. Journal of Evolutionary Biology, 2005, 18, 804-810.	1.7	108

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109	Wolbachia supplement biotin and riboflavin to enhance reproduction in planthoppers. ISME Journal, 2020, 14, 676-687.	9.8	108
110	High-Throughput PCR Assays To Monitor Wolbachia Infection in the Dengue Mosquito (Aedes aegypti) and Drosophila simulans. Applied and Environmental Microbiology, 2012, 78, 4740-4743.	3.1	107
111	Microclimate modelling at macro scales: a test of a general microclimate model integrated with gridded continentalâ€scale soil and weather data. Methods in Ecology and Evolution, 2014, 5, 273-286.	5.2	107
112	The latitudinal cline in the In(3R)Payne inversion polymorphism has shifted in the last 20Âyears in Australian Drosophila melanogaster populations. Molecular Ecology, 2005, 14, 851-858.	3.9	105
113	Impacts of recent climate change on terrestrial flora and fauna: Some emerging Australian examples. Austral Ecology, 2019, 44, 3-27.	1.5	105
114	GENETIC DIVERGENCE UNDER UNIFORM SELECTION. II. DIFFERENT RESPONSES TO SELECTION FOR KNOCKDOWN RESISTANCE TO ETHANOL AMONG DROSOPHILA MELANOGASTER POPULATIONS AND THEIR REPLICATE LINES. Genetics, 1986, 114, 145-164.	2.9	105
115	Loss of cytoplasmic incompatibility in Wolbachia-infected Aedes aegypti under field conditions. PLoS Neglected Tropical Diseases, 2019, 13, e0007357.	3.0	104
116	Dissecting adaptive clinal variation: markers, inversions and size/stress associations in Drosophila melanogaster from a central field population. Ecology Letters, 2002, 5, 756-763.	6.4	103
117	Fitness of wAlbB Wolbachia Infection in Aedes aegypti: Parameter Estimates in an Outcrossed Background and Potential for Population Invasion. American Journal of Tropical Medicine and Hygiene, 2016, 94, 507-516.	1.4	103
118	Conservation of genetic uniqueness of populations may increase extinction likelihood of endangered species: the case of Australian mammals. Frontiers in Zoology, 2016, 13, 31.	2.0	103
119	Clinal variation and laboratory adaptation in the rainforest species Drosophila birchii for stress resistance, wing size, wing shape and development time. Journal of Evolutionary Biology, 2005, 18, 213-222.	1.7	102
120	Postponed reproduction as an adaptation to winter conditions inDrosophila melanogaster: evidence for clinal variation under semi-natural conditions. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2163-2168.	2.6	101
121	Response To Natural And Laboratory Selection At The Drosophila Hsp70 Genes. Evolution; International Journal of Organic Evolution, 2002, 56, 1796-1801.	2.3	101
122	Persistence of aWolbachiainfection frequency cline inDrosophila melanogasterand the possible role of reproductive dormancy. Evolution; International Journal of Organic Evolution, 2016, 70, 979-997.	2.3	99
123	Nonclinality of Molecular Variation Implicates Selection in Maintaining a Morphological Cline of Drosophila melanogaster. Genetics, 2001, 158, 319-323.	2.9	98
124	Vegetation increases the abundance of natural enemies in vineyards. Biological Control, 2009, 49, 259-269.	3.0	97
125	Rates and Patterns of Laboratory Adaptation in (Mostly) Insects. Journal of Economic Entomology, 2018, 111, 501-509.	1.8	96
126	Night warming on hot days produces novel impacts on development, survival and reproduction in a small arthropod. Journal of Animal Ecology, 2014, 83, 769-778.	2.8	95

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127	Candidate genes and thermal phenotypes: identifying ecologically important genetic variation for thermotolerance in the Australian Drosophila melanogaster cline. Molecular Ecology, 2007, 16, 2948-2957.	3.9	92
128	Conservation genetics as a management tool: The five best-supported paradigms to assist the management of threatened species. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	92
129	Effects of ground cover (straw and compost) on the abundance of natural enemies and soil macro invertebrates in vineyards. Agricultural and Forest Entomology, 2007, 9, 173-179.	1.3	91
130	Response to selection for rapid chill-coma recovery in Drosophila melanogaster: physiology and life-history traits. Genetical Research, 2005, 85, 15-22.	0.9	90
131	Acclimation for desiccation resistance in Drosophila melanogaster and the association between acclimation responses and genetic variation. Journal of Insect Physiology, 1990, 36, 885-891.	2.0	89
132	Thermal tolerance trade-offs associated with the right arm of chromosome 3 and marked by the hsr-omega gene in Drosophila melanogaster. Heredity, 2003, 90, 195-202.	2.6	89
133	Application of wMelPop Wolbachia Strain to Crash Local Populations of Aedes aegypti. PLoS Neglected Tropical Diseases, 2015, 9, e0003930.	3.0	89
134	Selection for adult desiccation resistance in Drosophila melanogaster: fitness components, larval resistance and stress correlations. Biological Journal of the Linnean Society, 1993, 48, 43-54.	1.6	88
135	Impact of hot events at different developmental stages of a moth: the closer to adult stage, the less reproductive output. Scientific Reports, 2015, 5, 10436.	3.3	88
136	THE ASSOCIATION BETWEEN FLUCTUATING ASYMMETRY, TRAIT VARIABILITY, TRAIT HERITABILITY, AND STRESS: A MULTIPLY REPLICATED EXPERIMENT ON COMBINED STRESSES INDROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 1999, 53, 493-505.	2.3	87
137	A predicted niche shift corresponds with increased thermal resistance in an invasive mite, <scp>H</scp>alotydeus destructor. Global Ecology and Biogeography, 2013, 22, 942-951.	5.8	87
138	HSP90 AND THE QUANTITATIVE VARIATION OF WING SHAPE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 2529-2538.	2.3	86
139	VERY LOW ADDITIVE GENETIC VARIANCE AND EVOLUTIONARY POTENTIAL IN MULTIPLE POPULATIONS OF TWO RAINFOREST DROSOPHILA SPECIES. Evolution; International Journal of Organic Evolution, 2006, 60, 1104.	2.3	86
140	Fine-scale landscape genomics helps explain the slow spatial spread of Wolbachia through the Aedes aegypti population in Cairns, Australia. Heredity, 2018, 120, 386-395.	2.6	86
141	Hybridization as a conservation management tool. Conservation Letters, 2019, 12, e12652.	5.7	86
142	Genetic mixing for population management: From genetic rescue to provenancing. Evolutionary Applications, 2021, 14, 634-652.	3.1	85
143	Costs and benefits of acclimation to elevated temperature in Trichogramma carverae. Entomologia Experimentalis Et Applicata, 1997, 85, 211-219.	1.4	84
144	Uniform Selection as a Diversifying Force in Evolution: Evidence from Drosophila. American Naturalist, 1989, 134, 613-637.	2.1	83

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145	VERY LOW ADDITIVE GENETIC VARIANCE AND EVOLUTIONARY POTENTIAL IN MULTIPLE POPULATIONS OF TWO RAINFOREST DROSOPHILA SPECIES. Evolution; International Journal of Organic Evolution, 2006, 60, 1104-1108.	2.3	83
146	Selection for cold resistance alters gene transcript levels in Drosophila melanogaster. Journal of Insect Physiology, 2009, 55, 549-555.	2.0	83
147	A next-generation sequencing method for overcoming the multiple gene copy problem in polyploid phylogenetics, applied to Poa grasses. BMC Biology, 2011, 9, 19.	3.8	82
148	Climate-induced phenology shifts linked to range expansions in species with multiple reproductive cycles per year. Nature Communications, 2019, 10, 4455.	12.8	82
149	Stress Resistance and Environmental Dependency of Inbreeding Depression in Drosophila melanogaster. Conservation Biology, 2000, 14, 1187-1192.	4.7	81
150	Wolbachia effects in Drosophila melanogaster: in search of fitness benefits. Journal of Invertebrate Pathology, 2004, 87, 45-50.	3.2	81
151	A new set of laboratory-selected Drosophila melanogaster lines for the analysis of desiccation resistance: response to selection, physiology and correlated responses. Journal of Experimental Biology, 2006, 209, 1837-1847.	1.7	81
152	The influence of age and experience with conspecifics on territorial behavior inDrosophila melanogaster. Journal of Insect Behavior, 1990, 3, 1-12.	0.7	80
153	The molecular genetics of clinal variation: a case study of ebony and thoracic trident pigmentation in Drosophila melanogaster from eastern Australia. Molecular Ecology, 2011, 20, 2100-2110.	3.9	80
154	A field cage test of the effects of the endosymbiont Wolbachia on Drosophila melanogaster. Heredity, 2001, 86, 731-737.	2.6	79
155	Patterns of Diversity and Linkage Disequilibrium Within the Cosmopolitan Inversion In(3R)Payne in Drosophila melanogaster Are Indicative of Coadaptation. Genetics, 2006, 172, 1655-1663.	2.9	79
156	The effects of soil tillage on beneficial invertebrates within the vineyard. Agricultural and Forest Entomology, 2008, 10, 233-243.	1.3	79
157	Knocking down expression of Hsp22 and Hsp23 by RNA interference affects recovery from chill coma in Drosophila melanogaster. Journal of Experimental Biology, 2010, 213, 4146-4150.	1.7	79
158	Effects of small Hsp genes on developmental stability and microenvironmental canalization. BMC Evolutionary Biology, 2010, 10, 284.	3.2	78
159	Field Validation of the GravidAedesTrap (GAT) for Collection ofAedes aegypti(Diptera:) Tj ETQq1 1 0.784314 rgBT /Over	1.8	78
160	The response of Chironomidae to sediment pollution and other environmental characteristics in urban wetlands. Freshwater Biology, 2007, 52, 2444-2462.	2.4	77
161	Natural enemy responses and pest control: Importance of local vegetation. Biological Control, 2010, 52, 160-166.	3.0	77
162	Making decisions to conserve species under climate change. Climatic Change, 2013, 119, 239-246.	3.6	77

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163	Daily temperature extremes play an important role in predicting thermal effects. Journal of Experimental Biology, 2015, 218, 2289-96.	1.7	77
164	What can livestock breeders learn from conservation genetics and vice versa?. Frontiers in Genetics, 2015, 6, 38.	2.3	77
165	Effects of Methoxyfenozide, Indoxacarb, and Other Insecticides on the Beneficial Egg Parasitoid Trichogramma nr. brassicae (Hymenoptera: Trichogrammatidae) Under Laboratory and Field Conditions. Journal of Economic Entomology, 2003, 96, 1083-1090.	1.8	76
166	Effect of altitude on the genetic structure of an Alpine grass, Poa hiemata. Annals of Botany, 2009, 103, 885-899.	2.9	76
167	Effects of Native Grass Cover Crops on Beneficial and Pest Invertebrates in Australian Vineyards. Environmental Entomology, 2010, 39, 970-978.	1.4	76
168	Stable Introduction of Plant-Virus-Inhibiting Wolbachia into Planthoppers for Rice Protection. Current Biology, 2020, 30, 4837-4845.e5.	3.9	76
169	THE GENETICS OF CENTRAL AND MARGINAL POPULATIONS OFDROSOPHILA SERRATA.I. GENETIC VARIATION FOR STRESS RESISTANCE AND SPECIES BORDERS. Evolution; International Journal of Organic Evolution, 1993, 47, 1255-1270.	2.3	75
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804	Australian Bryobia mites (Trombidiformes: Tetranychidae) form a complex of cryptic taxa with unique climatic niches and insecticide responses. Pest Management Science, 2022, , .	3.4	0
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