

# Jeffrey L Feder

## List of Publications by Year in descending order

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168  
papers

13,319  
citations

30070

54  
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27406

106  
g-index

173  
all docs

173  
docs citations

173  
times ranked

8612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics and the origin of species. <i>Nature Reviews Genetics</i> , 2014, 15, 176-192.	16.3	850
2	Sympatric Speciation in Phytophagous Insects: Moving Beyond Controversy?. <i>Annual Review of Entomology</i> , 2002, 47, 773-815.	11.8	718
3	The genomics of speciation-with-gene-flow. <i>Trends in Genetics</i> , 2012, 28, 342-350.	6.7	711
4	Host fidelity is an effective premating barrier between sympatric races of the apple maggot fly.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 7990-7994.	7.1	412
5	Genetic differentiation between sympatric host races of the apple maggot fly <i>Rhagoletis pomonella</i> . <i>Nature</i> , 1988, 336, 61-64.	27.8	410
6	Stick Insect Genomes Reveal Natural Selection's Role in Parallel Speciation. <i>Science</i> , 2014, 344, 738-742.	12.6	386
7	Natural selection and sympatric divergence in the apple maggot <i>Rhagoletis pomonella</i> . <i>Nature</i> , 2000, 407, 739-742.	27.8	366
8	Finding Evolutionary Processes Hidden in Cryptic Species. <i>Trends in Ecology and Evolution</i> , 2018, 33, 153-163.	8.7	340
9	Genomic divergence during speciation: causes and consequences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 332-342.	4.0	336
10	Allopatric genetic origins for sympatric host-plant shifts and race formation in <i>Rhagoletis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10314-10319.	7.1	314
11	Tipping points in the dynamics of speciation. <i>Nature Ecology and Evolution</i> , 2017, 1, 1.	7.8	281
12	Widespread genomic divergence during sympatric speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9724-9729.	7.1	266
13	THE EFFICACY OF DIVERGENCE HITCHHIKING IN GENERATING GENOMIC ISLANDS DURING ECOLOGICAL SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1729-1747.	2.3	250
14	Fruit odor discrimination and sympatric host race formation in <i>Rhagoletis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11490-11493.	7.1	248
15	Herbivorous Insects: Model Systems for the Comparative Study of Speciation Ecology. <i>Genetica</i> , 2002, 116, 251-267.	1.1	235
16	Speciation genetics: evolving approaches. <i>Nature Reviews Genetics</i> , 2006, 7, 851-861.	16.3	234
17	Mayr, Dobzhansky, and Bush and the complexities of sympatric speciation in <i>Rhagoletis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6573-6580.	7.1	198
18	Theoretical models of the influence of genomic architecture on the dynamics of speciation. <i>Molecular Ecology</i> , 2014, 23, 4074-4088.	3.9	183

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19	The Effects of Parasitoids on Sympatric Host Races of <i>Rhagoletis Pomonella</i> (Diptera: Tephritidae). <i>Ecology</i> , 1995, 76, 801-813.	3.2	170
20	Evidence for Inversion Polymorphism Related to Sympatric Host Race Formation in the Apple Maggot Fly, <i>Rhagoletis pomonella</i> . <i>Genetics</i> , 2003, 163, 939-953.	2.9	166
21	Sequential Sympatric Speciation Across Trophic Levels. <i>Science</i> , 2009, 323, 776-779.	12.6	165
22	Selective maintenance of allozyme differences among sympatric host races of the apple maggot fly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 11417-11421.	7.1	158
23	Natural selection and the predictability of evolution in <i>Timema</i> stick insects. <i>Science</i> , 2018, 359, 765-770.	12.6	152
24	The effects of climate, host plant phenology and host fidelity on the genetics of apple and hawthorn infesting races of <i>Rhagoletis pomonella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1993, 69, 117-135.	1.4	149
25	Comparing Adaptive Radiations Across Space, Time, and Taxa. <i>Journal of Heredity</i> , 2020, 111, 1-20.	2.4	146
26	Developmental trajectories of gene expression reveal candidates for diapause termination: a key life-history transition in the apple maggot fly <i>Rhagoletis pomonella</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 3948-3960.	1.7	141
27	Experimental evidence of genome-wide impact of ecological selection during early stages of speciation with gene flow. <i>Ecology Letters</i> , 2015, 18, 817-825.	6.4	137
28	Host plant and latitude-related diapause variation in <i>Rhagoletis pomonella</i> : a test for multifaceted life history adaptation on different stages of diapause development. <i>Journal of Evolutionary Biology</i> , 2007, 20, 2101-2112.	1.7	134
29	Establishment of new mutations under divergence and genome hitchhiking. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 461-474.	4.0	132
30	Experimental evidence for ecological selection on genome variation in the wild. <i>Ecology Letters</i> , 2014, 17, 369-379.	6.4	131
31	CHROMOSOMAL INVERSIONS AND SPECIES DIFFERENCES: WHEN ARE GENES AFFECTING ADAPTIVE DIVERGENCE AND REPRODUCTIVE ISOLATION EXPECTED TO RESIDE WITHIN INVERSIONS?. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 3061-3075.	2.3	129
32	GENETIC HITCHHIKING AND THE DYNAMIC BUILDUP OF GENOMIC DIVERGENCE DURING SPECIATION WITH GENE FLOW. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2577-2591.	2.3	124
33	Postzygotic isolating factor in sympatric speciation in <i>Rhagoletis</i> flies: Reduced response of hybrids to parental host-fruit odors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17753-17758.	7.1	122
34	It's about time: the evidence for host plant-mediated selection in the apple maggot fly, <i>Rhagoletis pomonella</i> , and its implications for fitness tradeoffs in phytophagous insects. <i>Entomologia Experimentalis Et Applicata</i> , 1999, 91, 211-225.	1.4	106
35	THE EFFICACY OF DIVERGENCE HITCHHIKING IN GENERATING GENOMIC ISLANDS DURING ECOLOGICAL SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1729-47.	2.3	105
36	Geographic Mode of Speciation and Genomic Divergence. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 73-97.	8.3	102

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37	Sequential divergence and the multiplicative origin of community diversity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5980-9.	7.1	102
38	Genomic consequences of multiple speciation processes in a stick insect. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 5058-5065.	2.6	97
39	THE GENETIC BASIS FOR FRUIT ODOR DISCRIMINATION IN RHAGOLETIS FLIES AND ITS SIGNIFICANCE FOR SYMPATRIC HOST SHIFTS. Evolution; International Journal of Organic Evolution, 2005, 59, 1953-1964.	2.3	96
40	Biphasic metabolic rate trajectory of pupal diapause termination and post-diapause development in a tephritid fly. Journal of Insect Physiology, 2009, 55, 344-350.	2.0	95
41	Intra- and interspecific competition and host race formation in the apple maggot fly, <i>Rhagoletis pomonella</i> (Diptera: Tephritidae). Oecologia, 1995, 101, 416-425.	2.0	88
42	Differences in performance and transcriptome-wide gene expression associated with <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) larvae feeding in alternate host fruit environments. Molecular Ecology, 2015, 24, 2759-2776.	3.9	88
43	Gene frequency clines for host races of <i>Rhagoletis pomonella</i> in the Midwestern United States. Heredity, 1989, 63, 245-266.	2.6	81
44	Sympatric ecological speciation meets pyrosequencing: sampling the transcriptome of the apple maggot <i>Rhagoletis pomonella</i> . BMC Genomics, 2009, 10, 633.	2.8	81
45	Sympatric Host-Race Formation and Speciation in <i>Rhagoletis</i> (Diptera: Tephritidae): A Tale of Two Species for Charles D., 1998, , 408-441.		79
46	ADAPTIVE CHROMOSOMAL DIVERGENCE DRIVEN BY MIXED GEOGRAPHIC MODE OF EVOLUTION. Evolution; International Journal of Organic Evolution, 2011, 65, 2157-2170.	2.3	77
47	THE GEOGRAPHIC PATTERN OF GENETIC DIFFERENTIATION BETWEEN HOST ASSOCIATED POPULATIONS OF <i>RHAGOLETIS POMONELLA</i> (DIPTERA: TEPHRITIDAE) IN THE EASTERN UNITED STATES AND CANADA. Evolution; International Journal of Organic Evolution, 1990, 44, 570-594.	2.3	76
48	THE EFFECTS OF WINTER LENGTH ON THE GENETICS OF APPLE AND HAWTHORN RACES OF <i>RHAGOLETIS POMONELLA</i> (DIPTERA: TEPHRITIDAE). Evolution; International Journal of Organic Evolution, 1997, 51, 1862-1876.	2.3	74
49	It's about time: the evidence for host plant-mediated selection in the apple maggot fly, <i>Rhagoletis pomonella</i> , and its implications for fitness trade-offs in phytophagous insects. , 1999, , 211-225.		73
50	GENETIC DIVERGENCE ALONG THE SPECIATION CONTINUUM: THE TRANSITION FROM HOST RACE TO SPECIES IN <i>RHAGOLETIS</i> (DIPTERA: TEPHRITIDAE). Evolution; International Journal of Organic Evolution, 2013, 67, 2561-2576.	2.3	70
51	Evidence for a recent horizontal transmission and spatial spread of <i>Wolbachia</i> from endemic <i>Rhagoletis cerasi</i> (Diptera: Tephritidae) to invasive <i>Rhagoletis cingulata</i> in Europe. Molecular Ecology, 2013, 22, 4101-4111.	3.9	70
52	HAWTHORN-INFESTING POPULATIONS OF <i>RHAGOLETIS POMONELLA</i> IN MEXICO AND SPECIATION MODE PLURALITY. Evolution; International Journal of Organic Evolution, 2007, 61, 1091-1105.	2.3	69
53	Radiation and divergence in the <i>Rhagoletis Pomonella</i> species complex: inferences from DNA sequence data. Journal of Evolutionary Biology, 2008, 21, 900-913.	1.7	67
54	Genome-Wide Congealing and Rapid Transitions across the Speciation Continuum during Speciation with Gene Flow. Journal of Heredity, 2014, 105, 810-820.	2.4	65

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55	Herbivorous insects: model systems for the comparative study of speciation ecology. <i>Genetica</i> , 2002, 116, 251-67.	1.1	64
56	Genetic Differentiation at Allozyme Loci in the <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) Species Complex. <i>Annals of the Entomological Society of America</i> , 1993, 86, 716-727.	2.5	60
57	Genomic Differentiation during Speciation-with-Gene-Flow: Comparing Geographic and Host-Related Variation in Divergent Life History Adaptation in <i>Rhagoletis pomonella</i> . <i>Genes</i> , 2018, 9, 262.	2.4	60
58	A test of genomic modularity among life-history adaptations promoting speciation with gene flow. <i>Molecular Ecology</i> , 2017, 26, 3926-3942.	3.9	59
59	Sequential speciation and the diversity of parasitic insects. <i>Ecological Entomology</i> , 2010, 35, 67-76.	2.2	58
60	Patterns of Genomic Differentiation between Ecologically Differentiated M and S Forms of <i>Anopheles gambiae</i> in West and Central Africa. <i>Genome Biology and Evolution</i> , 2012, 4, 1202-1212.	2.5	57
61	Ecological adaptation and reproductive isolation in sympatry: genetic and phenotypic evidence for native host races of <i>Rhagoletis pomonella</i> . <i>Molecular Ecology</i> , 2014, 23, 688-704.	3.9	57
62	The Geographic Pattern of Genetic Differentiation between Host Associated Populations of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) in the Eastern United States and Canada. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 570.	2.3	55
63	Genome-wide variation and transcriptional changes in diverse developmental processes underlie the rapid evolution of seasonal adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23960-23969.	7.1	53
64	The genetic structure of hawthorn-infesting <i>Rhagoletis pomonella</i> populations in Mexico: implications for sympatric host race formation. <i>Molecular Ecology</i> , 2007, 16, 2867-2878.	3.9	52
65	The diapause response of <i>Rhagoletis pomonella</i> to varying environmental conditions and its significance for geographic and host plant-related adaptation. <i>Entomologia Experimentalis Et Applicata</i> , 2010, 136, 31-44.	1.4	52
66	Inheritance and Linkage Relationships of Allozymes in the Apple Maggot Fly. <i>Journal of Heredity</i> , 1989, 80, 277-283.	2.4	51
67	Are the apple maggot, <i>Rhagoletis pomonella</i> , and blueberry maggot, <i>R. mendax</i> , distinct species? Implications for sympatric speciation. <i>Entomologia Experimentalis Et Applicata</i> , 1989, 51, 113-123.	1.4	49
68	Variability in response specificity of apple, hawthorn, and flowering dogwood-infesting <i>Rhagoletis</i> flies to host fruit volatile blends: implications for sympatric host shifts. <i>Entomologia Experimentalis Et Applicata</i> , 2005, 116, 55-64.	1.4	49
69	The population genetics of the apple maggot fly, <i>Rhagoletis pomonella</i> and the snowberry maggot, <i>R. zephyria</i> : implications for models of sympatric speciation. <i>Entomologia Experimentalis Et Applicata</i> , 1999, 90, 9-24.	1.4	44
70	GENOME EVOLUTION AND SPECIATION: TOWARD QUANTITATIVE DESCRIPTIONS OF PATTERN AND PROCESS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2461-2467.	2.3	44
71	A FIELD TEST OF DIFFERENTIAL HOST-PLANT USAGE BETWEEN TWO SIBLING SPECIES OF <i>RHAGOLETIS POMONELLA</i> FRUIT FLIES (DIPTERA: TEPHRITIDAE) AND ITS CONSEQUENCES FOR SYMPATRIC MODELS OF SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 1813-1819.	2.3	43
72	REGIONAL, LOCAL AND MICROGEOGRAPHIC ALLELE FREQUENCY VARIATION BETWEEN APPLE AND HAWTHORN POPULATIONS OF <i>RHAGOLETIS POMONELLA</i> IN WESTERN MICHIGAN. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 595-608.	2.3	43

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73	Large-scale mutation in the evolution of a gene complex for cryptic coloration. <i>Science</i> , 2020, 369, 460-466.	12.6	43
74	The Effects of Winter Length on the Genetics of Apple and Hawthorn Races of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae). <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1862.	2.3	41
75	Assessing when chromosomal rearrangements affect the dynamics of speciation: implications from computer simulations. <i>Frontiers in Genetics</i> , 2014, 5, 295.	2.3	38
76	Divergence of the diapause transcriptome in apple maggot flies: winter regulation and post-winter transcriptional repression. <i>Journal of Experimental Biology</i> , 2016, 219, 2613-22.	1.7	38
77	A rapidly evolved shift in life-history timing during ecological speciation is driven by the transition between developmental phases. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1371-1386.	1.7	37
78	Multilocus approaches for the measurement of selection on correlated genetic loci. <i>Molecular Ecology</i> , 2017, 26, 365-382.	3.9	36
79	Inversion breakpoints and the evolution of supergenes. <i>Molecular Ecology</i> , 2021, 30, 2738-2755.	3.9	36
80	Divergent preferences of <i>Rhagoletis pomonella</i> host races for olfactory and visual fruit cues. <i>Entomologia Experimentalis Et Applicata</i> , 2006, 119, 121-127.	1.4	35
81	Standing geographic variation in eclosion time and the genomics of host race formation in <i>Rhagoletis pomonella</i> fruit flies. <i>Ecology and Evolution</i> , 2019, 9, 393-409.	1.9	35
82	How many genetic changes create new species?. <i>Science</i> , 2021, 371, 777-779.	12.6	35
83	Regional, Local and Microgeographic Allele Frequency Variation between Apple and Hawthorn Populations of <i>Rhagoletis pomonella</i> in Western Michigan. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 595.	2.3	34
84	Do highly divergent loci reside in genomic regions affecting reproductive isolation? A test using next-generation sequence data in <i>Timema</i> stick insects. <i>BMC Evolutionary Biology</i> , 2012, 12, 164.	3.2	34
85	Genome of the Parasitoid Wasp <i>Diachasma alloeum</i> , an Emerging Model for Ecological Speciation and Transitions to Asexual Reproduction. <i>Genome Biology and Evolution</i> , 2019, 11, 2767-2773.	2.5	34
86	Habitat avoidance and speciation for phytophagous insect specialists. <i>Functional Ecology</i> , 2007, 21, 585-597.	3.6	32
87	Herbivorous insects: model systems for the comparative study of speciation ecology. <i>Contemporary Issues in Genetics and Evolution</i> , 2002, , 251-267.	0.9	32
88	Sensory specificity and speciation: a potential neuronal pathway for host fruit odour discrimination in <i>Rhagoletis pomonella</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162101.	2.6	31
89	Evolution of intrinsic reproductive isolation among four North American populations of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae). <i>Biological Journal of the Linnean Society</i> , 0, 100, 213-223.	1.6	30
90	Geographic and Ecological Overlap of Parasitoid Wasps Associated with the <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) Species Complex. <i>Annals of the Entomological Society of America</i> , 2010, 103, 908-915.	2.5	30

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91	ON THE SCENT OF STANDING VARIATION FOR SPECIATION: BEHAVIORAL EVIDENCE FOR NATIVE SYMPATRIC HOST RACES OF RHAGOLETIS POMONELLA (DIPTERA: TEPHRTIDAE) IN THE SOUTHERN UNITED STATES. Evolution; International Journal of Organic Evolution, 2012, 66, 2739-2756.	2.3	30
92	The genetic basis for fruit odor discrimination in Rhagoletis flies and its significance for sympatric host shifts. Evolution; International Journal of Organic Evolution, 2005, 59, 1953-64.	2.3	30
93	A FIELD TEST FOR HOST-PLANT DEPENDENT SELECTION ON LARVAE OF THE APPLE MAGGOT FLY, <i>RHAGOLETIS POMONELLA</i> . Evolution; International Journal of Organic Evolution, 1999, 53, 187-200.	2.3	29
94	Increasing our ability to predict contemporary evolution. Nature Communications, 2020, 11, 5592.	12.8	29
95	The Geographic Distribution of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) in the Western United States: Introduced Species or Native Population?. Annals of the Entomological Society of America, 2013, 106, 59-65.	2.5	27
96	Toward a Molecular Genetic Linkage Map for the Apple Maggot Fly (Diptera: Tephritidae): Comparison of Alternative Strategies. Annals of the Entomological Society of America, 1997, 90, 470-479.	2.5	26
97	Hybridization and the build-up of genomic divergence during speciation. Journal of Evolutionary Biology, 2013, 26, 261-266.	1.7	26
98	Ecology shapes epistasis in a genotype-phenotype-fitness map for stick insect colour. Nature Ecology and Evolution, 2020, 4, 1673-1684.	7.8	26
99	Isolation and characterization of microsatellite loci from the apple maggot fly <i>Rhagoletis pomonella</i> (Diptera: Tephritidae). Molecular Ecology Notes, 2006, 6, 90-92.	1.7	25
100	Latitudinal Variation in Parasitoid Guild Composition and Parasitism Rates of North American Hawthorn Infesting <i>Rhagoletis</i> . Environmental Entomology, 2009, 38, 588-599.	1.4	25
101	BEHAVIORAL EVIDENCE FOR FRUIT ODOR DISCRIMINATION AND SYMPATRIC HOST RACES OF <i>RHAGOLETIS POMONELLA</i> FLIES IN THE WESTERN UNITED STATES. Evolution; International Journal of Organic Evolution, 2012, 66, 3632-3641.	2.3	25
102	A field test for host fruit odour discrimination and avoidance behaviour for <i>Rhagoletis pomonella</i> flies in the western United States. Journal of Evolutionary Biology, 2012, 25, 961-971.	1.7	25
103	Transitions from Single- to Multi-Locus Processes during Speciation with Gene Flow. Genes, 2018, 9, 274.	2.4	25
104	A Field Test of Differential Host-Plant Usage between Two Sibling Species of <i>Rhagoletis pomonella</i> Fruit Flies (Diptera: Tephritidae) and its Consequences for Sympatric Models of Speciation. Evolution; International Journal of Organic Evolution, 1989, 43, 1813.	2.3	24
105	HABITAT AVOIDANCE: OVERLOOKING AN IMPORTANT ASPECT OF HOST-SPECIFIC MATING AND SYMPATRIC SPECIATION?. Evolution; International Journal of Organic Evolution, 2005, 59, 1552.	2.3	23
106	Receptor expression and sympatric speciation: unique olfactory receptor neuron responses in F1 hybrid <i>Rhagoletis</i> populations. Journal of Experimental Biology, 2006, 209, 3729-3741.	1.7	23
107	Evidence for sexual isolation as a prezygotic barrier to gene flow between morphologically divergent species of <i>Rhagoletis</i> fruit flies. Ecological Entomology, 2012, 37, 521-528.	2.2	23
108	Evidence for Broad-Scale Conservation of Linkage Map Relationships Between <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) and <i>Drosophila melanogaster</i> (Diptera: Drosophilidae). Annals of the Entomological Society of America, 2001, 94, 936-947.	2.5	22



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109	Rapid and repeatable shifts in life history timing of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) in northwestern United States. <i>Ecology and Evolution</i> , 2015, 5, 5823-5837.	1.9	22
110	Can the genomics of ecological speciation be predicted across the divergence continuum from host races to species? A case study in <i>Rhagoletis</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190534.	4.0	22
111	Identification of Host Fruit Volatiles from Domestic Apple ( <i>Malus domestica</i> ), Native Black Hawthorn ( <i>Crataegus douglasii</i> ) and Introduced Ornamental Hawthorn ( <i>C. monogyna</i> ) Attractive to <i>Rhagoletis pomonella</i> Flies from the Western United States. <i>Journal of Chemical Ecology</i> , 2012, 38, 319-329.	1.8	21
112	Environmental interactions during host race formation: host fruit environment moderates a seasonal shift in phenology in host races of <i>Rhagoletis pomonella</i> . <i>Functional Ecology</i> , 2012, 26, 921-931.	3.6	21
113	Hybridization and the spread of the apple maggot fly, <i>Rhagoletis pomonella</i> (Diptera: Tephritidae). <i>Evolution</i> , 2011, 65, 1073-1083.	3.1	20
114	Cryptic Species – More Than Terminological Chaos: A Reply to Heethoff. <i>Trends in Ecology and Evolution</i> , 2018, 33, 310-312.	8.7	20
115	Distribution, host plant affiliation, phenology, and phylogeny of walnut-infesting <i>Rhagoletis</i> flies (Diptera: Tephritidae) in Mexico. <i>Biological Journal of the Linnean Society</i> , 2013, 110, 765-779.	1.6	19
116	Temporal resource partitioning mitigates interspecific competition and promotes coexistence among insect parasites. <i>Biological Reviews</i> , 2021, 96, 1969-1988.	10.4	19
117	Identification of Host Fruit Volatiles from Three Mayhaw Species ( <i>Crataegus Series Aestivales</i> ) Attractive to Mayhaw-Origin <i>Rhagoletis pomonella</i> Flies in the Southern United States. <i>Journal of Chemical Ecology</i> , 2011, 37, 961-73.	1.8	18
118	Identification of Fruit Volatiles from Green Hawthorn ( <i>Crataegus Viridis</i> ) and Blueberry Hawthorn ( <i>Crataegus Brachyacantha</i> ) Host Plants Attractive to Different Phenotypes of <i>Rhagoletis Pomonella</i> Flies in the Southern United States. <i>Journal of Chemical Ecology</i> , 2011, 37, 974-83.	1.8	18
119	The role of hybridization in a species invasion and extirpation of resident fauna: hybrid vigor and breakdown in the rusty crayfish, <i>Orconectes rusticus</i> . <i>Journal of Crustacean Biology</i> , 2014, 34, 157-164.	0.8	18
120	Abundance of Apple Maggot, <i>Rhagoletis pomonella</i> , Across Different Areas in Central Washington, with Special Reference to Black-Fruited Hawthorns. <i>Journal of Insect Science</i> , 2012, 12, 1-14.	0.9	17
121	Interspecific Competition and Speciation in Endoparasitoids. <i>Evolutionary Biology</i> , 2012, 39, 219-230.	1.1	17
122	Comparative genome sequencing reveals insights into the dynamics of <i>Wolbachia</i> in native and invasive cherry fruit flies. <i>Molecular Ecology</i> , 2021, 30, 6259-6272.	3.9	17
123	Effects of Photoperiod and Light Intensity on the Genetics of Diapause in the Apple Maggot (Diptera: Tephritidae). <i>Evolution</i> , 2011, 65, 1073-1083.	2.5	15
124	Distribution and Basic Biology of Black Cherry-Infesting <i>Rhagoletis</i> (Diptera: Tephritidae) in Mexico. <i>Annals of the Entomological Society of America</i> , 2011, 104, 202-211.	2.5	15
125	Rapid and repeatable host plant shifts drive reproductive isolation following a recent human-mediated introduction of the apple maggot fly, <i>Rhagoletis pomonella</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 156-168.	2.3	15
126	Comparing Peripheral Olfactory Coding with Host Preference in the <i>Rhagoletis</i> Species Complex. <i>Chemical Senses</i> , 2008, 34, 37-48.	2.0	13



#	ARTICLE	IF	CITATIONS
127	Expressed Sequence Tags from Cephalic Chemosensory Organs of the Northern Walnut Husk Fly, <i>Rhagoletis suavis</i> , Including a Putative Canonical Odorant Receptor. <i>Journal of Insect Science</i> , 2010, 10, 1-11.	1.5	13
128	Geographic variation in fruit volatiles emitted by the hawthorn <i>C. rataegus mollis</i> and its consequences for host race formation in the apple maggot fly, <i>Rhagoletis pomonella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2012, 143, 254-268.	1.4	13
129	Divergent diapause life history timing drives both allochronic speciation and reticulate hybridization in an adaptive radiation of <i>Rhagoletis</i> flies. <i>Molecular Ecology</i> , 2022, 31, 4031-4049.	3.9	13
130	Ammonium Carbonate Is More Attractive Than Apple and Hawthorn Fruit Volatile Lures to <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) in Washington State. <i>Environmental Entomology</i> , 2014, 43, 957-968.	1.4	12
131	New records of <i>Rhagoletis</i> Loew, 1862 (Diptera: Tephritidae) and their host plants in western Montana, U.S.A.. <i>Pan-Pacific Entomologist</i> , 2015, 91, 39-57.	0.2	12
132	Identification of Host Fruit Volatiles from Snowberry ( <i>Symphoricarpos albus</i> ), Attractive to <i>Rhagoletis zephyria</i> Flies from the Western United States. <i>Journal of Chemical Ecology</i> , 2017, 43, 188-197.	1.8	12
133	Geographic and Ecological Dimensions of Host Plant-Associated Genetic Differentiation and Speciation in the <i>Rhagoletis cingulata</i> (Diptera: Tephritidae) Sibling Species Group. <i>Insects</i> , 2019, 10, 275.	2.2	12
134	INTERGENIC EXCHANGE, GEOGRAPHIC ISOLATION, AND THE EVOLUTION OF BIOLUMINESCENT COLOR FOR <i>PYROPHORUS</i> CLICK BEETLES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1203-1216.	2.3	11
135	Genomically correlated trait combinations and antagonistic selection contributing to counterintuitive genetic patterns of adaptive diapause divergence in <i>Rhagoletis</i> flies. <i>Journal of Evolutionary Biology</i> , 2022, 35, 146-163.	1.7	11
136	THE GENETIC BASIS FOR FRUIT ODOR DISCRIMINATION IN RHAGOLETIS FLIES AND ITS SIGNIFICANCE FOR SYMPATRIC HOST SHIFTS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1953.	2.3	10
137	Chilling and Host Plant/Site-Associated Eclosion Times of Western Cherry Fruit Fly (Diptera: Tephritidae) in the Pacific Northwest. <i>Journal of Economic Entomology</i> , 2014, 47, 107-114.	1.4	10
138	Host plant-related genomic differentiation in the European cherry fruit fly, <i>Rhagoletis cerasi</i> . <i>Molecular Ecology</i> , 2019, 28, 4648-4666.	3.9	10
139	Genetic variation among apple and hawthorn host races of <i>Rhagoletis pomonella</i> across an ecological transition zone in the Midwestern United States. <i>Entomologia Experimentalis Et Applicata</i> , 1991, 59, 249-265.	1.4	9
140	Molecular Species Identification of Cryptic Apple and Snowberry Maggots (Diptera: Tephritidae) in Western and Central Washington. <i>Environmental Entomology</i> , 2013, 42, 1100-1109.	1.4	9
141	Genetic structure of cherry fruit fly ( <i>Rhagoletis cingulata</i> ) populations across managed, unmanaged, and natural habitats. <i>Entomologia Experimentalis Et Applicata</i> , 2014, 150, 157-165.	1.4	9
142	Genetic Evidence for the Introduction of <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) into the Northwestern United States. <i>Journal of Economic Entomology</i> , 2017, 110, 2599-2608.	1.8	9
143	Ecological Adaptation and Speciation: The Evolutionary Significance of Habitat Avoidance as a Postzygotic Reproductive Barrier to Gene Flow. <i>International Journal of Ecology</i> , 2012, 2012, 1-15.	0.8	8
144	Adaptive zones shape the magnitude of premating reproductive isolation in <i>Timema</i> stick insects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190541.	4.0	8

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145	Identifying Diagnostic Genetic Markers for a Cryptic Invasive Agricultural Pest: A Test Case Using the Apple Maggot Fly (Diptera: Tephritidae). <i>Annals of the Entomological Society of America</i> , 2020, 113, 246-256.	2.5	8
146	Recursive adaptation in action: allochronic isolation and divergence of host-associated populations of the apple maggot fly, <i>Rhagoletis pomonella</i> , following its recent introduction to the western USA. <i>Entomologia Experimentalis Et Applicata</i> , 2022, 170, 48-63.	1.4	8
147	Genomic transitions during host race and species formation. <i>Current Opinion in Insect Science</i> , 2019, 31, 84-92.	4.4	7
148	Distinct Adult Eclosion Traits of Sibling Species <i>Rhagoletis pomonella</i> and <i>Rhagoletis zephyria</i> (Diptera: Tephritidae) Under Laboratory Conditions. <i>Environmental Entomology</i> , 2021, 50, 173-182.	1.4	7
149	Local and system-wide adaptation is influenced by population connectivity. <i>Conservation Genetics</i> , 2019, 20, 45-57.	1.5	6
150	Evidence for spatial clines and mixed geographic modes of speciation for North American cherry-infesting <i>Rhagoletis</i> (Diptera: Tephritidae) flies. <i>Ecology and Evolution</i> , 2020, 10, 12727-12744.	1.9	6
151	Testing for fitness epistasis in a transplant experiment identifies a candidate adaptive locus in <i>Timema</i> stick insects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	6
152	Genetic Identification of an Unknown <i>Rhagoletis</i> Fruit Fly (Diptera: Tephritidae) Infesting Chinese Crabapple: Implications for Apple Pest Management. <i>Journal of Economic Entomology</i> , 2013, 106, 1511-1515.	1.8	5
153	Phylogeography of Walnut-Infesting <i>Rhagoletis suavis</i> (Diptera: Tephritidae) Flies. <i>Insect Systematics and Diversity</i> , 2018, 2, .	1.7	5
154	Limited genetic evidence for host plant-related differentiation in the Western cherry fruit fly, <i>Rhagoletis indifferens</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 739-751.	1.4	5
155	A reversal in sensory processing accompanies ongoing ecological divergence and speciation in <i>Rhagoletis pomonella</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210192.	2.6	5
156	Natural selection drives genome-wide evolution via chance genetic associations. <i>Molecular Ecology</i> , 2022, 31, 467-481.	3.9	5
157	Differences in the electroantennal responses of apple- and hawthorn-infesting races of <i>Rhagoletis pomonella</i> to host fruit volatile compounds. <i>Chemoecology</i> , 1998, 8, 175-186.	1.1	4
158	Barnacles, barrier loci and the systematic building of species. <i>Journal of Evolutionary Biology</i> , 2017, 30, 1494-1497.	1.7	4
159	Identification of a New Blend of Host Fruit Volatiles from Red Downy Hawthorn, <i>Crataegus mollis</i> , Attractive to <i>Rhagoletis pomonella</i> Flies from the Northeastern United States. <i>Journal of Chemical Ecology</i> , 2018, 44, 671-680.	1.8	4
160	The Build-Up of Population Genetic Divergence along the Speciation Continuum during a Recent Adaptive Radiation of <i>Rhagoletis</i> Flies. <i>Genes</i> , 2022, 13, 275.	2.4	4
161	Biodiversity, resilience and the stability of evolutionary systems. <i>Current Biology</i> , 2021, 31, R1149-R1153.	3.9	3
162	Cuticular hydrocarbon variation among <i>Rhagoletis</i> fruit flies (Diptera: Tephritidae). <i>Entomologia Experimentalis Et Applicata</i> , 2022, 170, 192-207.	2.2	3

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163	Contrast in Post-Chill Eclosion Time Strategies Between Two Specialist Braconid Wasps (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Ove Environmental Entomology, 2021, 50, 1173-1186.	1.4	2
164	Detection of an apple-infesting population of <i>Rhagoletis pomonella</i> (Walsh 1867) (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	1
165	Comparative Responses of <i>Rhagoletis zephyria</i> and <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) to Commercial and Experimental Sticky Traps and Odors in Washington State. Environmental Entomology, 2017, 46, 1351-1358.	1.4	1
166	Target-Enriched Endosymbiont Sequencing (TEEseq): A New High-Throughput Sequencing Approach Applied to the Comprehensive Characterization of Endosymbionts. Methods in Molecular Biology, 2019, 1858, 195-212.	0.9	1
167	Speciation, Process of. , 2024, , 622-646.		0
168	Sensitivities to Chill Durations and No-Chill Temperatures Regulating Eclosion Responses Differ Between <i>Rhagoletis zephyria</i> (Diptera: Tephritidae) and its Braconid Parasitoids (Hymenoptera: Tj ETQq0 0 0 rgBT /Ove Environmental Entomology, 2021, 50, 1173-1186.	0.2	1