

Scott P Egan

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,372
citations

257450

24
h-index

161849

54
g-index

68
all docs

68
docs citations

68
times ranked

4065
citing authors

#	ARTICLE	IF	CITATIONS
1	A test of adaptive divergence in a newly discovered host association of the soapberry bug <i>Jadera haematoloma</i> on Mexican buckeye, <i>Ungnadia speciosa</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2022, 170, 64-78.	1.4	7
2	The potential role of spatial sorting in speciation and adaptive radiations. <i>Population Ecology</i> , 2022, 64, 119-126.	1.2	6
3	Describing biodiversity in the genomics era: A new species of Nearctic Cynipidae gall wasp and its genome. <i>Systematic Entomology</i> , 2022, 47, 94-112.	3.9	12
4	Parallel host-plant-associated differences in an extended phenotype between populations of six species of gall-forming insects. <i>Ecological Entomology</i> , 2022, 47, 323-330.	2.2	2
5	Speciation in Nearctic oak gall wasps is frequently correlated with changes in host plant, host organ, or both. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1849-1867.	2.3	8
6	Delimiting the cryptic diversity and host preferences of <i>Sycophila</i> parasitoid wasps associated with oak galls using phylogenomic data. <i>Molecular Ecology</i> , 2022, 31, 4417-4433.	3.9	11
7	Asymmetric, but opposing reductions in immigrant viability and fecundity promote reproductive isolation among host-associated populations of an insect herbivore. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 476-489.	2.3	21
8	One hundred and sixty years of taxonomic confusion resolved: <i>Belonocnema</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Society, 2021, 193, 1234-1255.	2.3	14
9	Diversity Metrics Are Robust to Differences in Sampling Location and Depth for Environmental DNA of Plants in Small Temperate Lakes. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	12
10	Context-Dependent Reproductive Isolation: Host Plant Variability Drives Fitness of Hybrid Herbivores. <i>American Naturalist</i> , 2021, 197, 732-739.	2.1	16
11	Species Diversity in the Braconid Wasp Genus <i>Allorhogas</i> (Doryctinae) Associated With Cynipid Galls on Live Oaks (<i>Quercus</i> : Fagaceae) Using Natural History, Phylogenetics, and Morphology. <i>Insect Systematics and Diversity</i> , 2020, 4, .	1.7	7
12	Trade-off between fecundity and survival generates stabilizing selection on gall size. <i>Ecology and Evolution</i> , 2020, 10, 10207-10218.	1.9	1
13	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
14	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
15	Arthropod Community Associated With the Asexual Generation of <i>Bassettia pallida</i> (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 16	2.5	16
16	Geographic Life History Differences Predict Genomic Divergence Better than Mitochondrial Barcodes or Phenotype. <i>Genes</i> , 2020, 11, 265.	2.4	16
17	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
18	Host plant associations and geography interact to shape diversification in a specialist insect herbivore. <i>Molecular Ecology</i> , 2019, 28, 4197-4211.	3.9	35

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19	Human-mediated disturbance in multitrophic interactions results in outbreak levels of North America's most venomous caterpillar. <i>Biology Letters</i> , 2019, 15, 20190470.	2.3	5
20	A keeper of many crypts: a behaviour-manipulating parasite attacks a taxonomically diverse array of oak gall wasp species. <i>Biology Letters</i> , 2019, 15, 20190428.	2.3	14
21	Cascading reproductive isolation: Plant phenology drives temporal isolation among populations of a host-specific herbivore. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 554-568.	2.3	32
22	Riverine distribution of mussel environmental DNA reflects a balance among density, transport, and removal processes. <i>Freshwater Biology</i> , 2019, 64, 1467-1479.	2.4	42
23	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
24	Temporal isolation between sympatric host plants cascades across multiple trophic levels of host-associated insects. <i>Biology Letters</i> , 2019, 15, 20190572.	2.3	23
25	Cryptic diversity in the North American <i>Dromochorus</i> tiger beetles (Coleoptera: Carabidae:). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Society</i> , 2019, 186, 250-285.	2.3	18
26	Environmental DNA detection of aquatic invasive plants in lab mesocosm and natural field conditions. <i>Biological Invasions</i> , 2018, 20, 2535-2552.	2.4	28
27	“Closing the Life Cycle” of <i>Andricus quercuslanigera</i> (Hymenoptera: Cynipidae). <i>Annals of the Entomological Society of America</i> , 2018, 111, 103-113.	2.5	17
28	Cynipid gall wasps. <i>Current Biology</i> , 2018, 28, R1370-R1374.	3.9	29
29	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
30	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
31	Water Flow and Biofilm Cover Influence Environmental DNA Detection in Recirculating Streams. <i>Environmental Science & Technology</i> , 2018, 52, 8530-8537.	10.0	59
32	Botanical parasitism of an insect by a parasitic plant. <i>Current Biology</i> , 2018, 28, R863-R864.	3.9	7
33	Tales from the crypt: a parasitoid manipulates the behaviour of its parasite host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162365.	2.6	15
34	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
35	Immigrant inviability promotes reproductive isolation among host-associated populations of the gall wasp <i>Elonocnema treatae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 162, 379-388.	1.4	17
36	Early detection monitoring for aquatic non-indigenous species: Optimizing surveillance, incorporating advanced technologies, and identifying research needs. <i>Journal of Environmental Management</i> , 2017, 202, 299-310.	7.8	77

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37	Multilocus approaches for the measurement of selection on correlated genetic loci. <i>Molecular Ecology</i> , 2017, 26, 365-382.	3.9	36
38	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
39	Description of a new species of <i>Euderus</i> Haliday from the southeastern United States (Hymenoptera, Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 462	1.1	11
40	Environmental <i>eDNA</i> (<i>eDNA</i>) detects the invasive rusty crayfish <i>Orconectes rusticus</i> at low abundances. <i>Journal of Applied Ecology</i> , 2016, 53, 722-732.	4.0	159
41	Modelling heterogeneity among fitness functions using random regression. <i>Methods in Ecology and Evolution</i> , 2016, 7, 70-79.	5.2	4
42	Parasitoids, Hyperparasitoids, and Inquilines Associated With the Sexual and Asexual Generations of the Gall Former, <i>Belonocnema treatae</i> (Hymenoptera: Cynipidae). <i>Annals of the Entomological Society of America</i> , 2016, 109, 49-63.	2.5	39
43	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
44	Hybridization and the spread of the apple maggot fly, <i>Rhagoletis pomonella</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.1	20
45	Divergence and evolution of reproductive barriers among three allopatric populations of <i>Rhagoletis cingulata</i> across eastern North America and Mexico. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 156, 301-311.	1.4	18
46	Rapid Molecular Detection of Invasive Species in Ballast and Harbor Water by Integrating Environmental DNA and Light Transmission Spectroscopy. <i>Environmental Science & Technology</i> , 2015, 49, 4113-4121.	10.0	44
47	Sequential divergence and the multiplicative origin of community diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5980-9.	7.1	102
48	Genome-Wide Congealing and Rapid Transitions across the Speciation Continuum during Speciation with Gene Flow. <i>Journal of Heredity</i> , 2014, 105, 810-820.	2.4	65
49	Stick Insect Genomes Reveal Natural Selection's Role in Parallel Speciation. <i>Science</i> , 2014, 344, 738-742.	12.6	386
50	Geographic Mode of Speciation and Genomic Divergence. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 73-97.	8.3	102
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. <i>Molecular Ecology</i> , 2013, 22, 4101-4111.	3.9	70
52	Parallel Patterns of Morphological and Behavioral Variation among Host-Associated Populations of Two Gall Wasp Species. <i>PLoS ONE</i> , 2013, 8, e54690.	2.5	33
53	Divergent host-plant use promotes reproductive isolation among cynipid gall wasp populations. <i>Biology Letters</i> , 2012, 8, 605-608.	2.3	33
54	Evidence for sexual isolation as a prezygotic barrier to gene flow between morphologically divergent species of <i>Rhagoletis</i> fruit flies. <i>Ecological Entomology</i> , 2012, 37, 521-528.	2.2	23

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55	Testing the Role of Habitat Isolation among Ecologically Divergent Gall Wasp Populations. <i>International Journal of Ecology</i> , 2012, 2012, 1-8.	0.8	19
56	The genomics of speciation-with-gene-flow. <i>Trends in Genetics</i> , 2012, 28, 342-350.	6.7	711
57	Conservation in a cup of water: estimating biodiversity and population abundance from environmental DNA. <i>Molecular Ecology</i> , 2012, 21, 2555-2558.	3.9	248
58	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
59	NATURAL SELECTION ON GALL SIZE: VARIABLE CONTRIBUTIONS OF INDIVIDUAL HOST PLANTS TO POPULATION-WIDE PATTERNS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3543-3557.	2.3	20
60	Ecologically dependent postmating isolation between sympatric host forms of <i>Neochlamisus bebbianae</i> leaf beetles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19426-19431.	7.1	75
61	HOST PLANT QUALITY AND LOCAL ADAPTATION DETERMINE THE DISTRIBUTION OF A GALL-FORMING HERBIVORE. <i>Ecology</i> , 2007, 88, 2868-2879.	3.2	85