

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	The genomics of speciation-with-gene-flow. Trends in Genetics, 2012, 28, 342-350.	6.7	711
2	Stick Insect Genomes Reveal Natural Selection's Role in Parallel Speciation. Science, 2014, 344, 738-742.	12.6	386
3	Conservation in a cup of water: estimating biodiversity and population abundance from environmental DNA. Molecular Ecology, 2012, 21, 2555-2558.	3.9	248
4	Environmental eDNA detects the invasive rusty crayfish <i>Orconectes rusticus</i> at low abundances. Journal of Applied Ecology, 2016, 53, 722-732.	4.0	159
5	Developmental trajectories of gene expression reveal candidates for diapause termination: a key life-history transition in the apple maggot fly <i>Rhagoletis pomonella</i> . Journal of Experimental Biology, 2011, 214, 3948-3960.	1.7	141
6	Experimental evidence of genome-wide impact of ecological selection during early stages of speciation-with-gene-flow. Ecology Letters, 2015, 18, 817-825.	6.4	137
7	Geographic Mode of Speciation and Genomic Divergence. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 73-97.	8.3	102
8	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
9	HOST PLANT QUALITY AND LOCAL ADAPTATION DETERMINE THE DISTRIBUTION OF A GALL-FORMING HERBIVORE. Ecology, 2007, 88, 2868-2879.	3.2	85
10	Early detection monitoring for aquatic non-indigenous species: Optimizing surveillance, incorporating advanced technologies, and identifying research needs. Journal of Environmental Management, 2017, 202, 299-310.	7.8	77
11	Ecologically dependent postmating isolation between sympatric host forms of <i>Neochlamisus bebbianae</i> leaf beetles. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19426-19431.	7.1	75
12	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 <i>Eurostoma</i> . Molecular Ecology, 2013, 22, 4101-4111.	3.9	70
13	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
14	Genomic Differentiation during Speciation-with-Gene-Flow: Comparing Geographic and Host-Related Variation in Divergent Life History Adaptation in <i>Rhagoletis pomonella</i> . Genes, 2018, 9, 262.	2.4	60
15	A test of genomic modularity among life-history adaptations promoting speciation with gene flow. Molecular Ecology, 2017, 26, 3926-3942.	3.9	59
16	Water Flow and Biofilm Cover Influence Environmental DNA Detection in Recirculating Streams. Environmental Science & Technology, 2018, 52, 8530-8537.	10.0	59
17	Rapid Molecular Detection of Invasive Species in Ballast and Harbor Water by Integrating Environmental DNA and Light Transmission Spectroscopy. Environmental Science & Technology, 2015, 49, 4113-4121.	10.0	44
18	Riverine distribution of mussel environmental eDNA reflects a balance among density, transport, and removal processes. Freshwater Biology, 2019, 64, 1467-1479.	2.4	42

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19	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
20	Multilocus approaches for the measurement of selection on correlated genetic loci. <i>Molecular Ecology</i> , 2017, 26, 365-382.	3.9	36
21	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
22	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
23	Divergent host-plant use promotes reproductive isolation among cynipid gall wasp populations. <i>Biology Letters</i> , 2012, 8, 605-608.	2.3	33
24	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
25	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
26	Cynipid gall wasps. <i>Current Biology</i> , 2018, 28, R1370-R1374.	3.9	29
27	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
28	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
29	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
30	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
31	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
32	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
33	Hybridization and the spread of the apple maggot fly, <i>Rhagoletis pomonella</i> (Diptera: Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 67 Tt	2.3	18
34	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
35	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
36	Cryptic diversity in the North American <i>Dromochorus</i> tiger beetles (Coleoptera: Carabidae: Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 67 Tt Society, 2019, 186, 250-285.	2.3	18

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37	Immigrant inviability promotes reproductive isolation among host-associated populations of the gall wasp <i>Belonocnema treatae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 162, 379-388.	1.4	17
38	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
39	Arthropod Community Associated With the Asexual Generation of <i>Bassetia pallida</i> (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.5	16
40	Geographic Life History Differences Predict Genomic Divergence Better than Mitochondrial Barcodes or Phenotype. <i>Genes</i> , 2020, 11, 265.	2.4	16
41	Context-Dependent Reproductive Isolation: Host Plant Variability Drives Fitness of Hybrid Herbivores. <i>American Naturalist</i> , 2021, 197, 732-739.	2.1	16
42	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
43	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
44	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
45	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
46	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
47	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
48	Description of a new species of <i>Euderus</i> Haliday from the southeastern United States (Hymenoptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	11
49	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
50	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
51	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
52	Botanical parasitism of an insect by a parasitic plant. <i>Current Biology</i> , 2018, 28, R863-R864.	3.9	7
53	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
54	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

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55	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
56	The potential role of spatial sorting in speciation and adaptive radiations. <i>Population Ecology</i> , 2022, 64, 119-126.	1.2	6
57	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
58	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
59	Modelling heterogeneity among fitness functions using random regression. <i>Methods in Ecology and Evolution</i> , 2016, 7, 70-79.	5.2	4
60	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
61	Trade-off between fecundity and survival generates stabilizing selection on gall size. <i>Ecology and Evolution</i> , 2020, 10, 10207-10218.	1.9	1