

Naomi E Pierce

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

3,281
citations

33
h-index

56
g-index

104
ext. papers

4,139
ext. citations

6.2
avg, IF

5.17
L-index

#	Paper	IF	Citations
94	The ecology and evolution of ant association in the Lycaenidae (Lepidoptera). <i>Annual Review of Entomology</i> , 2002 , 47, 733-71	21.8	338
93	Bacterial gut symbionts are tightly linked with the evolution of herbivory in ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21236-41	11.5	233
92	Synergistic effects of combining morphological and molecular data in resolving the phylogeny of butterflies and skippers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 1577-86	4.4	198
91	CODIVERSIFICATION IN AN ANT-PLANT MUTUALISM: STEM TEXTURE AND THE EVOLUTION OF HOST USE IN CREMATOGASTER (FORMICIDAE: MYRMICINAE) INHABITANTS OF MACARANGA (EUPHORBIACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 554-570	3.8	191
90	Stability and phylogenetic correlation in gut microbiota: lessons from ants and apes. <i>Molecular Ecology</i> , 2014 , 23, 1268-83	5.7	168
89	A Comprehensive and Dated Phylogenomic Analysis of Butterflies. <i>Current Biology</i> , 2018 , 28, 770-778.e56.3		142
88	The influence of ants on host plant selection by <i>Jalmenus evagoras</i> , a myrmecophilous lycaenid butterfly. <i>Behavioral Ecology and Sociobiology</i> , 1985 , 16, 209-222	2.5	123
87	Local people value environmental services provided by forested parks. <i>Biodiversity and Conservation</i> , 2010 , 19, 1175-1188	3.4	115
86	Neonicotinoid exposure disrupts bumblebee nest behavior, social networks, and thermoregulation. <i>Science</i> , 2018 , 362, 683-686	33.3	104
85	Phylogeny, diversification patterns and historical biogeography of euglossine orchid bees (Hymenoptera: Apidae). <i>Biological Journal of the Linnean Society</i> , 2010 , 100, 552-572	1.9	90
84	The TASTY locus on chromosome 1 of <i>Arabidopsis</i> affects feeding of the insect herbivore <i>Trichoplusia ni</i> . <i>Plant Physiology</i> , 2001 , 126, 890-8	6.6	85
83	AN EMPIRICAL MODEL OF SPECIES COEXISTENCE IN A SPATIALLY STRUCTURED ENVIRONMENT. <i>Ecology</i> , 2001 , 82, 1761-1771	4.6	80
82	Establishing criteria for higher-level classification using molecular data: the systematics of <i>Polyommatus</i> blue butterflies (Lepidoptera, Lycaenidae). <i>Cladistics</i> , 2013 , 29, 166-192	3.5	60
81	Ancient Neotropical origin and recent recolonisation: Phylogeny, biogeography and diversification of the Riodinidae (Lepidoptera: Papilionoidea). <i>Molecular Phylogenetics and Evolution</i> , 2015 , 93, 296-306 ^{4.1}		58
80	The draft genome of a socially polymorphic halictid bee, <i>Lasioglossum albipes</i> . <i>Genome Biology</i> , 2013 , 14, R142	18.3	58
79	Herbivorous turtle ants obtain essential nutrients from a conserved nitrogen-recycling gut microbiome. <i>Nature Communications</i> , 2018 , 9, 964	17.4	57
78	Physical and behavioral adaptations to prevent overheating of the living wings of butterflies. <i>Nature Communications</i> , 2020 , 11, 551	17.4	48

77	Dramatic Differences in Gut Bacterial Densities Correlate with Diet and Habitat in Rainforest Ants. <i>Integrative and Comparative Biology</i> , 2017 , 57, 705-722	2.8	47
76	Cloning of the gene encoding honeybee long-wavelength rhodopsin: a new class of insect visual pigments. <i>Gene</i> , 1996 , 173, 215-9	3.8	44
75	Spatial fidelity of workers predicts collective response to disturbance in a social insect. <i>Nature Communications</i> , 2018 , 9, 1201	17.4	41
74	Systematics, biogeography and diversification of the Indo-Australian genus <i>Delias</i> Hübner (Lepidoptera: Pieridae): phylogenetic evidence supports an Out-of-Australia origin. <i>Systematic Entomology</i> , 2007 , 32, 2-25	3.4	41
73	Convergence of chemical mimicry in a guild of aphid predators. <i>Ecological Entomology</i> , 2006 , 31, 41-51	2.1	41
72	Gut microbiota of dung beetles correspond to dietary specializations of adults and larvae. <i>Molecular Ecology</i> , 2016 , 25, 6092-6106	5.7	40
71	Revised systematics and higher classification of pierid butterflies (Lepidoptera: Pieridae) based on molecular data. <i>Zoologica Scripta</i> , 2014 , 43, 641-650	2.5	40
70	Microbial Communities of Lycaenid Butterflies Do Not Correlate with Larval Diet. <i>Frontiers in Microbiology</i> , 2016 , 7, 1920	5.7	40
69	Transitions in social complexity along elevational gradients reveal a combined impact of season length and development time on social evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	39
68	Assessing the quality of different ant species as partners of a myrmecophilous butterfly. <i>Oecologia</i> , 2001 , 129, 452-460	2.9	39
67	Solitary bees reduce investment in communication compared with their social relatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6569-6574	11.5	38
66	Lycaenid Caterpillar Secretions Manipulate Attendant Ant Behavior. <i>Current Biology</i> , 2015 , 25, 2260-4	6.3	38
65	Rhizosphere-associated <i>Pseudomonas</i> induce systemic resistance to herbivores at the cost of susceptibility to bacterial pathogens. <i>Molecular Ecology</i> , 2018 , 27, 1833-1847	5.7	38
64	A social parasite evolved reproductive isolation from its fungus-growing ant host in sympatry. <i>Current Biology</i> , 2014 , 24, 2047-52	6.3	37
63	The genetic basis of a social polymorphism in halictid bees. <i>Nature Communications</i> , 2018 , 9, 4338	17.4	35
62	How common are dot-like distributions? Taxonomical oversplitting in western European <i>Agrodiaetus</i> (Lepidoptera: Lycaenidae) revealed by chromosomal and molecular markers. <i>Biological Journal of the Linnean Society</i> , 2010 , 101, 130-154	1.9	34
61	Anchored phylogenomics illuminates the skipper butterfly tree of life. <i>BMC Evolutionary Biology</i> , 2018 , 18, 101	3	30
60	Cross-continental comparisons of butterfly assemblages in tropical rainforests: implications for biological monitoring. <i>Insect Conservation and Diversity</i> , 2013 , 6, 223-233	3.8	28

59	When caterpillars attack: biogeography and life history evolution of the Miletinae (Lepidoptera: Lycaenidae). <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 571-88	3.8	28
58	Convergence in Multispecies Interactions. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 269-280	10.9	25
57	DO ANTS ENHANCE DIVERSIFICATION IN LYCAENID BUTTERFLIES? PHYLOGEOGRAPHIC EVIDENCE FROM A MODEL MYRMECOPHILE, JALMENUS EVAGORAS. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 315-327	3.8	24
56	Dissecting host-associated communities with DNA barcodes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	21
55	Phylogenetics of moth-like butterflies (Papilionoidea: Hedyliidae) based on a new 13-locus target capture probe set. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 127, 600-605	4.1	19
54	Convergence between the microcosms of Southeast Asian and North American pitcher plants. <i>ELife</i> , 2018 , 7,	8.9	19
53	Symbiotic microbiota may reflect host adaptation by resident to invasive ant species. <i>PLoS Pathogens</i> , 2019 , 15, e1007942	7.6	18
52	Metabarcoding as a tool for investigating arthropod diversity in Nepenthes pitcher plants. <i>Austral Ecology</i> , 2016 , 41, 120-132	1.5	16
51	An Introduced Crop Plant Is Driving Diversification of the Virulent Bacterial Pathogen <i>Erwinia tracheiphila</i> . <i>MBio</i> , 2018 , 9,	7.8	16
50	Cycad-feeding insects share a core gut microbiome. <i>Biological Journal of the Linnean Society</i> , 2018 , 123, 728-738	1.9	14
49	<i>Pseudomonas syringae</i> enhances herbivory by suppressing the reactive oxygen burst in <i>Arabidopsis</i> . <i>Journal of Insect Physiology</i> , 2016 , 84, 90-102	2.4	13
48	Eavesdropping on cooperative communication within an ant-butterfly mutualism. <i>Die Naturwissenschaften</i> , 2016 , 103, 84	2	12
47	The double cloak of invisibility: phenotypic plasticity and larval decoration in a geometrid moth, <i>Synchlora frondaria</i> , across three diet treatments. <i>Ecological Entomology</i> , 2009 , 34, 412-414	2.1	12
46	Distinctive fungal communities in an obligate African ant-plant mutualism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	11
45	Draft Genome Sequence of <i>Erwinia tracheiphila</i> , an Economically Important Bacterial Pathogen of Cucurbits. <i>Genome Announcements</i> , 2015 , 3,		11
44	Phylogeny of the Aphnaeinae: myrmecophilous African butterflies with carnivorous and herbivorous life histories. <i>Systematic Entomology</i> , 2015 , 40, 169-182	3.4	11
43	Molecular phylogeny of the Oriental butterfly genus <i>Arhopala</i> (Lycaenidae, Theclinae) inferred from mitochondrial and nuclear genes. <i>Systematic Entomology</i> , 2004 , 29, 115-131	3.4	11
42	Activation and Heterologous Production of a Cryptic Lantibiotic from an African Plant Ant-Derived Species. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	11

41	Social behaviour in bees influences the abundance of (Enterobacteriaceae) symbionts. <i>Royal Society Open Science</i> , 2018 , 5, 180369	3.3	11
40	Genome Evolution of Bartonellaceae Symbionts of Ants at the Opposite Ends of the Trophic Scale. <i>Genome Biology and Evolution</i> , 2018 , 10, 1687-1704	3.9	11
39	The setae of parasitic Liphya brassolis butterfly larvae form a flexible armour for resisting attack by their ant hosts (Lycaenidae: Lepidoptera). <i>Biological Journal of the Linnean Society</i> , 2016 , 117, 607-619	1.9	10
38	Combining stable isotope analysis with DNA metabarcoding improves inferences of trophic ecology. <i>PLoS ONE</i> , 2019 , 14, e0219070	3.7	9
37	The entomophagous caterpillar fungus Ophiocordyceps sinensis is consumed by its lepidopteran host as a plant endophyte. <i>Fungal Ecology</i> , 2020 , 47, 100989	4.1	8
36	The evolution of red color vision is linked to coordinated rhodopsin tuning in lycaenid butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
35	An ancient push-pull pollination mechanism in cycads. <i>Science Advances</i> , 2020 , 6, eaay6169	14.3	7
34	Radio telemetry helps record the dispersal patterns of birdwing butterflies in mountainous habitats: Golden Birdwing (Troides aeacus) as an example. <i>Journal of Insect Conservation</i> , 2019 , 23, 729-738	2.1	7
33	The effect of ant association on the population genetics of the Australian butterfly Jalmenus evagoras (Lepidoptera: Lycaenidae). <i>Biological Journal of the Linnean Society</i> , 1996 , 58, 287-306	1.9	7
32	Tropical pitcher plants (Nepenthes) act as ecological filters by altering properties of their fluid microenvironments. <i>Scientific Reports</i> , 2020 , 10, 4431	4.9	6
31	DNA barcodes combined with multi-locus data of representative taxa can generate reliable higher-level phylogenies. <i>Systematic Biology</i> , 2021 ,	8.4	6
30	Development and characterization of twenty-two polymorphic microsatellite markers for the leafcutter ant, Acromyrmex lundii, utilizing Illumina sequencing. <i>Conservation Genetics Resources</i> , 2014 , 6, 319-322	0.8	5
29	AN EMPIRICAL MODEL OF SPECIES COEXISTENCE IN A SPATIALLY STRUCTURED ENVIRONMENT 2001 , 82, 1761		5
28	sp. nov. (Lepidoptera, Hepialidae): a new host of the caterpillar fungus supported by genome-wide SNP data. <i>ZooKeys</i> , 2019 , 885, 89-113	1.2	5
27	Do ants enhance diversification in lycaenid butterflies? Phylogeographic evidence from a model myrmecophile, Jalmenus evagoras. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 315-27	2.8	5
26	Measuring protected-area outcomes with leech iDNA: large-scale quantification of vertebrate biodiversity in Ailaoshan nature reserve		4
25	Ecological specialization is associated with genetic structure in the ant-associated butterfly family Lycaenidae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	4
24	Population Genomics and Demographic Sampling of the Ant-Plant Vachellia drepanolobium and Its Symbiotic Ants From Sites Across Its Range in East Africa. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	3

23	Museum genomics reveals the Xerces blue butterfly () was a distinct species driven to extinction. <i>Biology Letters</i> , 2021 , 17, 20210123	3.6	3
22	Molecular evolution of a long wavelength-sensitive opsin in mimetic <i>Heliconius</i> butterflies (Lepidoptera: Nymphalidae)		3
21	Development of twenty-one polymorphic microsatellite markers for the fungus-growing ant, <i>Mycocepurus goeldii</i> (Formicidae: Attini), using Illumina paired-end genomic sequencing. <i>Conservation Genetics Resources</i> , 2014 , 6, 739-741	0.8	2
20	W.D. Hamilton, 1936-2000. <i>Nature Medicine</i> , 2000 , 6, 367	50.5	2
19	A First Record of <i>Anatrachyntis badia</i> (Hodges 1962) (Lepidoptera: Cosmopterigidae) on <i>Zamia integrifolia</i> (Zamiaceae). <i>Florida Entomologist</i> , 2018 , 101, 335-338	1	2
18	Ants of the Hengduan Mountains: a new altitudinal survey and updated checklist for Yunnan Province highlight an understudied insect biodiversity hotspot. <i>ZooKeys</i> , 2020 , 978, 1-171	1.2	2
17	The evolution of red colour vision is linked to coordinated rhodopsin tuning in lycaenid butterflies		2
16	Behavioral, ecological and evolutionary mechanisms underlying caterpillar-ant symbioses.. <i>Current Opinion in Insect Science</i> , 2022 , 100898	5.1	2
15	Wind drives temporal variation in pollinator visitation in a fragmented tropical forest. <i>Biology Letters</i> , 2020 , 16, 20200103	3.6	1
14	Recent diversification of <i>Chrysoritis</i> butterflies in the South African Cape (Lepidoptera: Lycaenidae). <i>Molecular Phylogenetics and Evolution</i> , 2020 , 148, 106817	4.1	1
13	Nine novel microsatellite markers for the army ant <i>Simopelta pergandei</i> (subfamily Ponerinae). <i>Conservation Genetics Resources</i> , 2011 , 3, 61-63	0.8	1
12	Social behavior in bees influences the abundance of <i>Sodalis</i> (Enterobacteriaceae) symbionts		1
11	In situ activation and heterologous production of a cryptic lantibiotic from a plant-ant derived <i>Saccharopolyspora</i> species		1
10	Cycad-Weevil Pollination Symbiosis Is Characterized by Rapidly Evolving and Highly Specific Plant-Insect Chemical Communication. <i>Frontiers in Plant Science</i> , 2021 , 12, 639368	6.2	1
9	Evolutionary trade-offs between male secondary sexual traits revealed by a phylogeny of the hyperdiverse tribe Eumaeini (Lepidoptera: Lycaenidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202512	4.4	1
8	Fine-scale genome-wide signature of Pleistocene glaciation in <i>Thitarodes</i> moths (Lepidoptera: Hepialidae), host of <i>Ophiocordyceps</i> fungus in the Hengduan Mountains.. <i>Molecular Ecology</i> , 2022 ,	5.7	1
7	Profiling, monitoring and conserving caterpillar fungus in the Himalayan region using anchored hybrid enrichment markers.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20212650	4.4	1
6	Molecular phylogeny of the tribe Candalidini (Lepidoptera: Lycaenidae): systematics, diversification and evolutionary history. <i>Systematic Entomology</i> , 2020 , 45, 703-722	3.4	0

5	Out of sight, out of mind: public and research interest in insects is negatively correlated with their conservation status. <i>Insect Conservation and Diversity</i> , 2021 , 14, 700-708	3.8	o
4	Investigation of an Elevational Gradient Reveals Strong Differences Between Bacterial and Eukaryotic Communities Coinhabiting Nepenthes Phytotelmata. <i>Microbial Ecology</i> , 2020 , 80, 334-349	4.4	o
3	The Natural History of Caterpillar-Ant Associations. <i>Fascinating Life Sciences</i> , 2022 , 319-391	1.1	o
2	Report on the Emergence Time of a Species of Thitarodes Ghost Moth (Lepidoptera: Hepialidae), Host of the Caterpillar Fungus Ophiocordyceps sinensis (Ascomycota: Ophiocordycipitaceae) in Uttarakhand, India. <i>Journal of Economic Entomology</i> , 2020 , 113, 2031-2034	2.2	
1	Measuring protected-area effectiveness using vertebrate distributions from leech iDNA.. <i>Nature Communications</i> , 2022 , 13, 1555	17.4	