

# Carol L Boggs

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

5,256  
citations

101384

36  
h-index

138251

58  
g-index

61  
all docs

61  
docs citations

61  
times ranked

4273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change hastens population extinctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6070-6074.	3.3	365
2	Understanding insect life histories and senescence through a resource allocation lens. <i>Functional Ecology</i> , 2009, 23, 27-37.	1.7	321
3	Renewable and nonrenewable resources: Amino acid turnover and allocation to reproduction in Lepidoptera. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4413-4418.	3.3	258
4	Assessing the Roles of Patch Quality, Area, and Isolation in Predicting Metapopulation Dynamics. <i>Conservation Biology</i> , 2002, 16, 706-716.	2.4	245
5	Larval food limitation in butterflies: effects on adult resource allocation and fitness. <i>Oecologia</i> , 2005, 144, 353-361.	0.9	242
6	A General Model of the Role of Male-Donated Nutrients in Female Insects' Reproduction. <i>American Naturalist</i> , 1990, 136, 598-617.	1.0	232
7	More than just indicators: A review of tropical butterfly ecology and conservation. <i>Biological Conservation</i> , 2010, 143, 1831-1841.	1.9	217
8	The Effect of Adult Food Limitation on Life History Traits in <i>Speyeria Mormonia</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.5	213
9	Nutritional and Life-History Determinants of Resource Allocation in Holometabolous Insects. <i>American Naturalist</i> , 1981, 117, 692-709.	1.0	200
10	Reproductive strategies of female butterflies: variation in and constraints on fecundity. <i>Ecological Entomology</i> , 1986, 11, 7-15.	1.1	166
11	Egg maturation strategy and its associated trade-offs: a synthesis focusing on Lepidoptera. <i>Ecological Entomology</i> , 2005, 30, 359-375.	1.1	161
12	SELECTION PRESSURES AFFECTING MALE NUTRIENT INVESTMENT AT MATING IN HELICONIINE BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 1981, 35, 931-940.	1.1	157
13	Population structure of pierid butterflies IV. Genetic and physiological investment in offspring by male <i>Colias</i> . <i>Oecologia</i> , 1981, 50, 320-324.	0.9	153
14	REPRODUCTIVE ALLOCATION FROM RESERVES AND INCOME IN BUTTERFLY SPECIES WITH DIFFERING ADULT DIETS. <i>Ecology</i> , 1997, 78, 181-191.	1.5	143
15	A single climate driver has direct and indirect effects on insect population dynamics. <i>Ecology Letters</i> , 2012, 15, 502-508.	3.0	141
16	Countryside Biogeography of Tropical Butterflies. <i>Conservation Biology</i> , 2003, 17, 168-177.	2.4	127
17	Making eggs from nectar: the role of life history and dietary carbon turnover in butterfly reproductive resource allocation. <i>Oikos</i> , 2004, 105, 279-291.	1.2	127
18	DYNAMICS OF REPRODUCTIVE ALLOCATION FROM JUVENILE AND ADULT FEEDING: RADIOTRACER STUDIES. <i>Ecology</i> , 1997, 78, 192-202.	1.5	125

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19	Pollen feeding in the butterfly <i>Heliconius charitonia</i> : isotopic evidence for essential amino acid transfer from pollen to eggs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2631-2636.	1.2	108
20	THE EVOLUTION OF WING COLOR: MALE MATE CHOICE OPPOSES ADAPTIVE WING COLOR DIVERGENCE IN <i>COLIAS</i> BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1100-1106.	1.1	90
21	Population decline assessment, historical baselines, and conservation. <i>Conservation Letters</i> , 2010, 3, 371-378.	2.8	87
22	THE EVOLUTION OF WING COLOR IN <i>COLIAS</i> BUTTERFLIES: HERITABILITY, SEX LINKAGE, AND POPULATION DIVERGENCE. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 836-840.	1.1	82
23	The Amino Acids Used in Reproduction by Butterflies: A Comparative Study of Dietary Sources Using Compound-Specific Stable Isotope Analysis. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 819-827.	0.6	81
24	Patterns of pollen exploitation by <i>Heliconius</i> butterflies. <i>Oecologia</i> , 1981, 48, 284-289.	0.9	78
25	Community Composition in Mountain Ecosystems: Climatic Determinants of Montane Butterfly Distributions. <i>Global Ecology and Biogeography Letters</i> , 1997, 6, 39.	0.6	75
26	The route to extinction: population dynamics of a threatened butterfly. <i>Oecologia</i> , 2002, 132, 538-548.	0.9	73
27	Mud puddling by butterflies is not a simple matter. <i>Ecological Entomology</i> , 1991, 16, 123-127.	1.1	71
28	Unprecedented reorganization of holocentric chromosomes provides insights into the enigma of lepidopteran chromosome evolution. <i>Science Advances</i> , 2019, 5, eaau3648.	4.7	66
29	Selection Pressures Affecting Male Nutrient Investment at Mating in Heliconiine Butterflies. <i>Evolution; International Journal of Organic Evolution</i> , 1981, 35, 931.	1.1	60
30	Resource Specialization in Puddling Lepidoptera. <i>Environmental Entomology</i> , 2004, 33, 1020-1024.	0.7	58
31	Egg maturation strategy and survival trade-offs in holometabolous insects: a comparative approach. <i>Biological Journal of the Linnean Society</i> , 2007, 90, 293-302.	0.7	56
32	Estimating female reproductive success of a threatened butterfly: influence of emergence time and hostplant phenology. <i>Oecologia</i> , 1994, 99, 194-200.	0.9	53
33	Oviposition behavior and offspring performance in herbivorous insects: consequences of climatic and habitat heterogeneity. <i>Oikos</i> , 2010, 119, 927-934.	1.2	50
34	Mating systems and sexual division of foraging effort affect puddling behaviour by butterflies. <i>Ecological Entomology</i> , 1996, 21, 193-197.	1.1	49
35	Age-related changes in thoracic mass: possible reallocation of resources to reproduction in butterflies. <i>Biological Journal of the Linnean Society</i> , 2005, 86, 363-380.	0.7	49
36	Linking nectar amino acids to fitness in female butterflies. <i>Trends in Ecology and Evolution</i> , 2005, 20, 585-587.	4.2	40

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37	Nutrient acquisition across a dietary shift: fruit feeding butterflies crave amino acids, nectivores seek salt. <i>Oecologia</i> , 2016, 181, 1-12.	0.9	36
38	Resource Allocation to Oocytes: Heritable Variation with Altitude in <i>Colias philodice eriphyle</i> (Lepidoptera). <i>American Naturalist</i> , 1986, 127, 252-256.	1.0	35
39	A trade-off between female lifespan and larval diet breadth at the interspecific level in Lepidoptera. <i>Evolutionary Ecology</i> , 2007, 21, 307-323.	0.5	27
40	Effects of larval dietary restriction on adult morphology, with implications for flight and life history. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 189-196.	0.7	26
41	Aging, Life Span, and Energetics under Adult Dietary Restriction in Lepidoptera. <i>Physiological and Biochemical Zoology</i> , 2014, 87, 684-694.	0.6	22
42	Fitness costs of butterfly oviposition on a lethal non-native plant in a mixed native and non-native plant community. <i>Oecologia</i> , 2013, 172, 823-832.	0.9	19
43	Does dietary restriction reduce life span in male fruit-feeding butterflies?. <i>Experimental Gerontology</i> , 2009, 44, 601-606.	1.2	18
44	Effects of Increased Flight on the Energetics and Life History of the Butterfly <i>Speyeria mormonia</i> . <i>PLoS ONE</i> , 2015, 10, e0140104.	1.1	16
45	Do hypotheses from short-term studies hold in the long-term? An empirical test. <i>Ecological Entomology</i> , 2003, 28, 74-84.	1.1	15
46	Resource allocation as a driver of senescence: Life history tradeoffs produce age patterns of mortality. <i>Journal of Theoretical Biology</i> , 2014, 360, 251-262.	0.8	12
47	Nutritional ecology, functional ecology and <i>Functional Ecology</i> . <i>Functional Ecology</i> , 2009, 23, 1-3.	1.7	11
48	THE EVOLUTION OF WING COLOR: MALE MATE CHOICE OPPOSES ADAPTIVE WING COLOR DIVERGENCE IN COLIAS BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1100.	1.1	10
49	Pre- and post-ingestive defenses affect larval feeding on a lethal invasive host plant. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 292-305.	0.7	9
50	Experience may outweigh cue similarity in maintaining a persistent host-plant-based evolutionary trap. <i>Ecological Monographs</i> , 2020, 90, e01412.	2.4	9
51	Within population variation in the demography of <i>Speyeria mormonia</i> (Lepidoptera: Nymphalidae). <i>Ecography</i> , 1987, 10, 175-184.	2.1	8
52	Conservation in Practice: Overcoming Obstacles to Implementation. <i>Conservation Biology</i> , 1999, 13, 450-452.	2.4	7
53	The Genome of the Margined White Butterfly ( <i>Pieris macdunnoughii</i> ): Sex Chromosome Insights and the Power of Polishing with PoolSeq Data. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	7
54	Saliva or Regurgitated Nectar? What <i>Heliconius</i> Butterflies (Lepidoptera: Nymphalidae) Use for Pollen Feeding. <i>Annals of the Entomological Society of America</i> , 2009, 102, 1105-1108.	1.3	5

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55	Fine-Grained Distribution of a Non-Native Resource Can Alter the Population Dynamics of a Native Consumer. PLoS ONE, 2015, 10, e0143052.	1.1	5
56	THE EVOLUTION OF WING COLOR IN COLIAS BUTTERFLIES: HERITABILITY, SEX LINKAGE, AND POPULATION DIVERGENCE. Evolution; International Journal of Organic Evolution, 2002, 56, 836.	1.1	4
57	Native and Non-Native Community Assembly through Edaphic Manipulation: Implications for Habitat Creation and Restoration. Restoration Ecology, 2011, 19, 709-716.	1.4	4
58	Resource Allocation in Variable Environments: Comparing Insects and Plants. , 1997, , 73-92.		4
59	Carry-over effects of larval food stress on adult energetics and life history in a nectar-feeding butterfly. Ecological Entomology, 2022, 47, 391-399.	1.1	4