Charles Fox

List of Publications by Citations

129 papers	8,994 citations	51 h-index	93 g-index
142 ext. papers	10,068 ext. citations	4.8 avg, IF	6.4 L-index

#	Paper	IF	Citations
129	The adaptive significance of maternal effects. *Trends in Ecology and Evolution*, **1998**, 13, 403-7	10.9	1397
128	Evolutionary ecology of progeny size in arthropods. *Annual Review of Entomology*, **2000**, 45, 341-69	21.8	586
127	Evolution on ecological time-scales. *Functional Ecology*, **2007**, 21, 387-393	5.6	451
126	Sex differences in phenotypic plasticity affect variation in sexual size dimorphism in insects: from physiology to evolution. *Annual Review of Entomology*, **2010**, 55, 227-45	21.8	270
125	Egg Size Plasticity in a Seed Beetle: An Adaptive Maternal Effect. *American Naturalist*, **1997**, 149, 149-163	3.7	254
124	Inbreeding depression increases with environmental stress: an experimental study and meta-analysis. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 246-58	3.8	252
123	Inclusive fitness theory and eusociality. *Nature*, **2011**, 471, E1-4; author reply E9-10	50.4	242
122	Rapid evolution of egg size in captive salmon. *Science*, **2003**, 299, 1738-40	33.3	236
121	Multiple Mating, Lifetime Fecundity and Female Mortality of the Bruchid Beetle, Callosobruchus maculatus (Coleoptera: Bruchidae). *Functional Ecology*, **1993**, 7, 203	5.6	203
120	The influence of maternal age and mating frequency on egg size and offspring performance in Callosobruchus maculatus (Coleoptera: Bruchidae). *Oecologia*, **1993**, 96, 139-146	2.9	193
119	The effect of male mating history on paternal investment, fecundity and female remating in the seed beetle Callosobruchus maculatus. *Functional Ecology*, **1999**, 13, 169-177	5.6	165
118	WHEN RENSCH MEETS BERGMANN: DOES SEXUAL SIZE DIMORPHISM CHANGE SYSTEMATICALLY WITH LATITUDE?. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2004-2011	3.8	156
117	The effect of Wolbachia-induced cytoplasmic incompatibility on host population size in natural and manipulated systems. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 437-45	4.4	136
116	MATERNAL EFFECTS ON OFFSPRING SIZE: VARIATION THROUGH EARLY DEVELOPMENT OF CHINOOK SALMON. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1605-1611	3.8	129
115	Sexual selection and the fitness consequences of male body size in the seed beetle Stator limbatus. *Animal Behaviour*, **1998**, 55, 473-83	2.8	121
114	Maternal Effects on Offspring Size: Variation Through Early Development of Chinook Salmon. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1605	3.8	117
113	Larval host plant affects fitness consequences of egg size variation in the seed beetle Stator limbatus. *Oecologia*, **1996**, 107, 541-548	2.9	115

112	COMPLEX PATTERNS OF PHENOTYPIC PLASTICITY: INTERACTIVE EFFECTS OF TEMPERATURE DURING REARING AND OVIPOSITION. *Ecology*, **2005**, 86, 924-934	4.6	109
111	Geographic variation in body size and sexual size dimorphism of a seed-feeding beetle. *American Naturalist*, **2007**, 170, 358-69	3.7	107
110	Evolutionary ecology of egg size and number in a seed beetle: genetic trade-off differs between environments. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 1121-32	3.8	105
109	Genetic architecture of adaptive differentiation in evolving host races of the soapberry bug, Jadera haematoloma. *Genetica*, **2001**, 112/113, 257-272	1.5	96
108	Maternal and genetic influences on egg size and larval performance in a seed beetle (Callosobruchus maculatus): multigenerational transmission of a maternal effect?. *Heredity*, **1994**, 73, 509-517	3.6	96
107	THE EVOLUTIONARY GENETICS OF AN ADAPTIVE MATERNAL EFFECT: EGG SIZE PLASTICITY IN A SEED BEETLE. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 552-560	3.8	93
106	The effect of male size, age, and mating behavior on sexual selection in the seed beetle Callosobruchus maculatus. *Ethology Ecology and Evolution*, **1999**, 11, 49-60	0.7	89
105	Genetic variation in paternal investment in a seed beetle. *Animal Behaviour*, **1998**, 56, 953-961	2.8	88
104	Maternal age affects offspring lifespan of the seed beetle, Callosobruchus maculatus. *Functional Ecology*, **2003**, 17, 811-820	5.6	78
103	Phenotypic plasticity in a complex world: interactive effects of food and temperature on fitness components of a seed beetle. *Oecologia*, **2007**, 153, 309-21	2.9	77
102	Citations increase with manuscript length, author number, and references cited in ecology journals. *Ecology and Evolution*, **2016**, 6, 7717-7726	2.8	73
101	Parental Host Plant Affects Offspring Life Histories in a Seed Beetle. *Ecology*, **1995**, 76, 402-411	4.6	72
100	The Influence of Egg Size on Offspring Performance in the Seed Beetle, Callosobruchus maculatus. *Oikos*, **1994**, 71, 321	4	70
99	Evolutionary genetics of lifespan and mortality rates in two populations of the seed beetle, Callosobruchus maculatus. *Heredity*, **2004**, 92, 170-81	3.6	68
98	A QUANTITATIVE GENETIC ANALYSIS OF OVIPOSITION PREFERENCE AND LARVAL PERFORMANCE ON TWO HOSTS IN THE BRUCHID BEETLE, CALLOSOBRUCHUS MACULATUS. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 166-175	3.8	68
97	Complex genetic architecture of population differences in adult lifespan of a beetle: nonadditive inheritance, gender differences, body size and a large maternal effect. *Journal of Evolutionary Biology*, **2004**, 17, 1007-17	2.3	67
96	Oviposition decisions in the seed beetle, Callosobruchus maculatus (Coleoptera: Bruchidae): effects of seed size on superparasitism. *Journal of Stored Products Research*, **2003**, 39, 355-365	2.5	67
95	Population differences in host use by a seed-beetle: local adaptation, phenotypic plasticity and maternal effects. *Oecologia*, **2006**, 150, 247-58	2.9	65

94	Inbreeding-stress interactions: evolutionary and conservation consequences. *Annals of the New York Academy of Sciences*, **2012**, 1256, 33-48	6.5	64
93	Geographic variation in body size, sexual size dimorphism and fitness components of a seed beetle: local adaptation versus phenotypic plasticity. *Oikos*, **2009**, 118, 703-712	4	62
92	Environmental effects on sexual size dimorphism of a seed-feeding beetle. *Oecologia*, **2007**, 153, 273-802.9		62
91	Male body size affects female lifetime reproductive success in a seed beetle. *Animal Behaviour*, **1995**, 50, 281-284	2.8	61
90	Gender differences in peer review outcomes and manuscript impact at six journals of ecology and evolution. *Ecology and Evolution*, **2019**, 9, 3599-3619	2.8	57
89	Experimental evolution of the genetic load and its implications for the genetic basis of inbreeding depression. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 2236-49	3.8	57
88	Gender differences in lifespan and mortality rates in two seed beetle species. *Functional Ecology*, **2003**, 17, 619-626	5.6	56
87	Dietary Mediation of Maternal Age Effects on Offspring Performance in a Seed Beetle (Coleoptera: Bruchidae). *Functional Ecology*, **1994**, 8, 600	5.6	56
86	Experimental evolution of phenotypic plasticity: how predictive are cross-environment genetic correlations?. *American Naturalist*, **2006**, 168, 323-35	3.7	55
85	NATURAL SELECTION ON SEED-BEETLE EGG SIZE IN NATURE AND THE LABORATORY: VARIATION AMONG ENVIRONMENTS. *Ecology*, **2000**, 81, 3029-3035	4.6	55
84	Host Confusion and the Evolution of Insect Diet Breadths. *Oikos*, **1993**, 67, 577	4	54
83	The genetic architecture of life span and mortality rates: gender and species differences in inbreeding load of two seed-feeding beetles. *Genetics*, **2006**, 174, 763-73	4	53
82	Ejaculate size, second male size, and moderate polyandry increase female fecundity in a seed beetle. *Behavioral Ecology*, **2006**, 17, 940-946	2.3	53
81	Paternal Investment in a Seed Beetle (Coleoptera: Bruchidae): Influence of Male Size, Age, and Mating History. *Annals of the Entomological Society of America*, **1995**, 88, 100-103	2	53
80	Editor and reviewer gender influence the peer review process but not peer review outcomes at an ecology journal. *Functional Ecology*, **2016**, 30, 140-153	5.6	53
79	The ecology of diet expansion in a seed-feeding beetle: Pre-existing variation, rapid adaptation and maternal effects?. *Evolutionary Ecology*, **1997**, 11, 183-194	1.8	52
78	Genetic architecture of population differences in oviposition behaviour of the seed beetle Callosobruchus maculatus. *Journal of Evolutionary Biology*, **2004**, 17, 1141-51	2.3	50
77	Temperature and host species affect nuptial gift size in a seed-feeding beetle. *Functional Ecology*, **2006**, 20, 1003-1011	5.6	48

76	When Rensch meets Bergmann: does sexual size dimorphism change systematically with latitude?. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2004-11	3.8	46
75	Smaller beetles are better scramble competitors at cooler temperatures. *Biology Letters*, **2007**, 3, 475-8	3.6	45
74	Patterns of authorship in ecology and evolution: First, last, and corresponding authorship vary with gender and geography. *Ecology and Evolution*, **2018**, 8, 11492-11507	2.8	43
73	Clutch size manipulations in two seed beetles: consequences for progeny fitness. *Oecologia*, **1996**, 108, 88-94	2.9	42
72	The relationship between manuscript title structure and success: editorial decisions and citation performance for an ecological journal. *Ecology and Evolution*, **2015**, 5, 1970-80	2.8	41
71	Selection on body size and sexual size dimorphism differs between host species in a seed-feeding beetle. *Journal of Evolutionary Biology*, **2006**, 19, 1167-74	2.3	41
70	The Evolutionary Genetics of an Adaptive Maternal Effect: Egg Size Plasticity in a Seed Beetle. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 552	3.8	41
69	Host-associated fitness variation in a seed beetle (Coleoptera: Bruchidae): evidence for local adaptation to a poor quality host. *Oecologia*, **1994**, 99, 329-336	2.9	40
68	. *Ecology*, **2001**, 82, 2790-2804	4.6	39
67	A Quantitative Genetic Analysis of Oviposition Preference and Larval Performance on Two Hosts in the Bruchid Beetle, Callosobruchus maculatus. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 166	3.8	38
66	Inbreeding-environment interactions for fitness: complex relationships between inbreeding depression and temperature stress in a seed-feeding beetle. *Evolutionary Ecology*, **2011**, 25, 25-43	1.8	37
65	Paternal Investment in the Seed Beetle Callosobruchus maculatus (Coleoptera: Bruchidae): Variation Among Populations. *Annals of the Entomological Society of America*, **2000**, 93, 1173-1178	2	36
64	INHERITANCE OF ENVIRONMENTAL VARIATION IN BODY SIZE: SUPERPARASITISM OF SEEDS AFFECTS PROGENY AND GRANDPROGENY BODY SIZE VIA A NONGENETIC MATERNAL EFFECT. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 172-182	3.8	35
63	Natural selection on body size is mediated by multiple interacting factors: a comparison of beetle populations varying naturally and experimentally in body size. *Ecology and Evolution*, **2011**, 1, 1-14	2.8	34
62	Egg-size manipulations in the seed beetle Stator limbatus: consequences for progeny growth. *Canadian Journal of Zoology*, **1997**, 75, 1465-1473	1.5	33
61	Problems in measuring among-family variation in inbreeding depression. *American Journal of Botany*, **2005**, 92, 1929-32	2.7	32
60	Diet affects female mating behaviour in a seed-feeding beetle. *Physiological Entomology*, **2009**, 34, 370-378	1.9	31
59	Inbreeding depression in two seed-feeding beetles, Callosobruchus maculatus and Stator limbatus (Coleoptera: Chrysomelidae). *Bulletin of Entomological Research*, **2007**, 97, 49-54	1.7	31

58	THE ECOLOGY OF BODY SIZE IN A SEED BEETLE, STATOR LIMBATUS: PERSISTENCE OF ENVIRONMENTAL VARIATION ACROSS GENERATIONS?. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1005-1010	3.8	30
57	Maternal Effects Mediate Host Expansion in a Seed-Feeding Beetle. *Ecology*, **2000**, 81, 3	4.6	30
56	Gender differences in patterns of authorship do not affect peer review outcomes at an ecology journal. *Functional Ecology*, **2016**, 30, 126-139	5.6	29
55	Leaf abscission phenology of a scrub oak: consequences for growth and survivorship of a leaf mining beetle. *Oecologia*, **2001**, 127, 251-258	2.9	24
54	Inheritance of Environmental Variation in Body Size: Superparasitism of Seeds Affects Progeny and Grandprogeny Body Size Via a Nongenetic Maternal Effect. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 172	3.8	24
53	Host-associated fitness trade-offs do not limit the evolution of diet breadth in the small milkweed bug Lygaeus kalmii (Hemiptera: Lygaeidae). *Oecologia*, **1994**, 97, 382-389	2.9	23
52	Gender diversity of editorial boards and gender differences in the peer review process at six journals of ecology and evolution. *Ecology and Evolution*, **2019**, 9, 13636-13649	2.8	21
51	A sex-specific size–number tradeoff in clonal broods. *Oikos*, **2009**, 118, 1552-1560	4	21
50	Male inbreeding status affects female fitness in a seed-feeding beetle. *Journal of Evolutionary Biology*, **2012**, 25, 29-37	2.3	20
49	Variation in budbreak phenology affects the distribution of a leafmining beetle (Brachys tessellatus) on turkey oak (Quercus laevis). *Ecoscience*, **1997**, 4, 480-489	1.1	20
48	Selection does not favor larger body size at lower temperature in a seed-feeding beetle. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 2534-44	3.8	20
47	Environmentally Based Maternal Effects on Development Time in the Seed BeetleStator pruininus(Coleoptera: Bruchidae): Consequences of Larval Density. *Environmental Entomology*, **1999**, 28, 217-223	2.1	20
46	Variation in inbreeding depression among populations of the seed beetle, Stator limbatus. *Entomologia Experimentalis Et Applicata*, **2006**, 121, 137-144	2.1	19
45	Genetic variation in male effects on female reproduction and the genetic covariance between the sexes. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 1359-66	3.8	19
44	Author-suggested reviewers: gender differences and influences on the peer review process at an ecology journal. *Functional Ecology*, **2017**, 31, 270-280	5.6	18
43	Life history traits, but not body size, vary systematically along latitudinal gradients on three continents in the widespread yellow dung fly. *Ecography*, **2018**, 41, 2080-2091	6.5	18
42	Effects of seed beetles on the performance of desert legumes depend on host species, plant stage, and beetle density. *Journal of Arid Environments*, **2012**, 80, 10-16	2.5	18
41	Dissecting the evolutionary impacts of plant invasions: bugs and beetles as native guides. *Global Change Biology*, **2007**, 13, 1644-1657	11.4	18

40	Proximate Mechanisms Influencing Egg Size Plasticity in the Seed Beetle Stator limbatus (Coleoptera: Bruchidae). *Annals of the Entomological Society of America*, **2002**, 95, 724-734	2	18
39	Determinants of Clutch Size and Seed Preference in a Seed Beetle, Stator beali (Coleoptera: Bruchidae). *Environmental Entomology*, **1995**, 24, 1557-1561	2.1	18
38	Environmental effects on sex differences in the genetic load for adult lifespan in a seed-feeding beetle. *Heredity*, **2009**, 103, 62-72	3.6	17
37	The Ecology of Body Size in a Seed Beetle, Stator limbatus: Persistence of Environmental Variation Across Generations?. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1005	3.8	17
36	Rapid Evolution of Lifespan in a Novel Environment: Sex-Specific Responses and Underlying Genetic Architecture. *Evolutionary Biology*, **2011**, 38, 182-196	3	16
35	Influence of Oviposition Substrate on Female Receptivity to Multiple Mating in Callosobruchus maculatus (Coleoptera: Bruchidae). *Annals of the Entomological Society of America*, **1994**, 87, 395-398	2	16
34	Genetic architecture underlying convergent evolution of egg-laying behavior in a seed-feeding beetle. *Genetica*, **2009**, 136, 179-87	1.5	15
33	Variation in selection, phenotypic plasticity, and the ecology of sexual size dimorphism in two seed-feeding beetles **2007**, 88-96		15
32	A Balanced Data Archiving Policy for Long-Term Studies. *Trends in Ecology and Evolution*, **2016**, 31, 84-85	10.9	14
31	Global phylogeography of the insect pest Callosobruchus maculatus (Coleoptera: Bruchinae) relates to the history of its main host, Vigna unguiculata. *Journal of Biogeography*, **2017**, 44, 2515-2526	4.1	14
30	Geographic clines in wing morphology relate to colonization history in New World but not Old World populations of yellow dung flies. *Evolution; International Journal of Organic Evolution*, **2018**, 72, 1629	3.8	13
29	Difficulty of recruiting reviewers predicts review scores and editorial decisions at six journals of ecology and evolution. *Scientometrics*, **2017**, 113, 465-477	3	13
28	Biotypes of the seed beetle Callosobruchus maculatus have differing effects on the germination and growth of their legume hosts. *Agricultural and Forest Entomology*, **2010**, 12, 353-362	1.9	13
27	Comparison of life history and genetic properties of cowpea bruchid strains and their response to hypoxia. *Journal of Insect Physiology*, **2015**, 75, 5-11	2.4	12
26	Genetic and Maternal Influences on Body Size and Development Time in the Seed Beetle Stator limbatus (Coleoptera: Bruchidae). *Annals of the Entomological Society of America*, **1998**, 91, 128-134	2	12
25	Evolution of larval competitiveness and associated life-history traits in response to host shifts in a seed beetle. *Journal of Evolutionary Biology*, **2018**, 31, 302-313	2.3	12
24	Oviposition substrate affects adult mortality, independent of reproduction, in the seed beetle Callosobruchus maculatus. *Ecological Entomology*, **1994**, 19, 108-110	2.1	10
23	Seed beetle survivorship, growth and egg size plasticity in a paloverde hybrid zone. *Ecological Entomology*, **1997**, 22, 416-424	2.1	9

22	EVOLUTIONARY ECOLOGY OF EGG SIZE AND NUMBER IN A SEED BEETLE: GENETIC TRADE-OFF DIFFERS BETWEEN ENVIRONMENTS. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 1121	3.8	9
21	Language and socioeconomics predict geographic variation in peer review outcomes at an ecology journal. *Scientometrics*, **2017**, 113, 1113-1127	3	8
20	WHEN RENSCH MEETS BERGMANN: DOES SEXUAL SIZE DIMORPHISM CHANGE SYSTEMATICALLY WITH LATITUDE?. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2004	3.8	8
19	Effect of Inbreeding on Host Discrimination and Other Fitness Components in a Seed Beetle. *Annals of the Entomological Society of America*, **2013**, 106, 128-135	2	7
18	The effectiveness of journals as arbiters of scientific impact. *Ecology and Evolution*, **2018**, 8, 9566-9585	2.8	6
17	Egg-Dumping Behavior Is Not Correlated With Wider Host Acceptance in the Seed Beetle Callosobruchus maculatus (Coleoptera: Chrysomelidae: Bruchinae). *Annals of the Entomological Society of America*, **2011**, 104, 850-856	2	5
16	GENETIC AND ENVIRONMENTAL SOURCES OF VARIATION IN SURVIVAL ON NONNATIVE HOST SPECIES IN THE GENERALIST SEED BEETLE, STATOR LIMBATUS. *Southwestern Naturalist*, **2006**, 51, 490-501	0.3	5
15	NATURAL SELECTION ON SEED-BEETLE EGG SIZE IN NATURE AND THE LABORATORY: VARIATION AMONG ENVIRONMENTS **2000**, 81, 3029		5
14	Replicated latitudinal clines in reproductive traits of European and North American yellow dung flies. *Oikos*, **2018**, 127, 1619-1632	4	5
13	The effect of inbreeding on natural selection in a seed-feeding beetle. *Journal of Evolutionary Biology*, **2013**, 26, 88-93	2.3	4
12	MATERNAL EFFECTS MEDIATE HOST EXPANSION IN ASEED-FEEDING BEETLE. *Ecology*, **2000**, 81, 3-7	4.6	4
11	CONSEQUENCES OF PLANT RESISTANCE FOR HERBIVORE SURVIVORSHIP, GROWTH, AND SELECTION ON EGG SIZE **2001**, 82, 2790		4
10	Foraging mode affects the evolution of egg size in generalist predators embedded in complex food webs. *Journal of Evolutionary Biology*, **2015**, 28, 1225-33	2.3	3
9	Asymmetric evolution of egg laying behavior following reciprocal host shifts by a seed-feeding beetle. *Evolutionary Ecology*, **2017**, 31, 753-767	1.8	3
8	Suppression of Leafminer (Coleoptera: Buprestidae) Populations on Turkey Oak (Fagaceae) Using Implants of Acephate. *Environmental Entomology*, **1995**, 24, 1548-1556	2.1	3
7	Response to Comment on "Rapid Evolution of Egg Size in Captive Salmon" (II). *Science*, **2003**, 302, 59e-59	33.3	2
6	GENETIC VARIATION IN MALE EFFECTS ON FEMALE REPRODUCTION AND THE GENETIC COVARIANCE BETWEEN THE SEXES. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 1359	3.8	1
5	Response to Comment on "Rapid Evolution of Egg Size in Captive Salmon" (I). *Science*, **2003**, 302, 59c-59	33.3	1

List of Publications

4	Body Size and Life History Traits in Native and Introduced Populations of Coqui Frogs. *Copeia*, **2018**, 106, 161-170	1.1	0
3	Which peer reviewers voluntarily reveal their identity to authors? Insights into the consequences of open-identities peer review. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211399	4.4	0
2	David H. Reed (24 March 1963–4 October 2011). *Animal Conservation*, **2012**, 15, 113-114	3.2	
1	All that I am, I owe to my mother. *Trends in Ecology and Evolution*, **2010**, 25, 323-324	10.9	