Edmund Darrell Brodie Iii

List of Publications by Year
in descending order

53	4,047	218677	182427
papers	citations	26 h-index	51 g-index

56	56	56	3315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolutionary consequences of indirect genetic effects. Trends in Ecology and Evolution, 1998, 13, 64-69.	8.7	742
2	INTERACTING PHENOTYPES AND THE EVOLUTIONARY PROCESS: I. DIRECT AND INDIRECT GENETIC EFFECTS OF SOCIAL INTERACTIONS. Evolution; International Journal of Organic Evolution, 1997, 51, 1352-1362.	2.3	577
3	CORRELATIONAL SELECTION FOR COLOR PATTERN AND ANTIPREDATOR BEHAVIOR IN THE GARTER SNAKETHAMNOPHIS ORDINOIDES. Evolution; International Journal of Organic Evolution, 1992, 46, 1284-1298.	2.3	320
4	INTERACTING PHENOTYPES AND THE EVOLUTIONARY PROCESS. III. SOCIAL EVOLUTION. Evolution; International Journal of Organic Evolution, 2010, 64, 2558-2574.	2.3	239
5	Phenotypic Mismatches Reveal Escape from Arms-Race Coevolution. PLoS Biology, 2008, 6, e60.	5.6	175
6	TETRODOTOXIN RESISTANCE IN GARTER SNAKES: AN EVOLUTIONARY RESPONSE OF PREDATORS TO DANGEROUS PREY. Evolution; International Journal of Organic Evolution, 1990, 44, 651-659.	2.3	153
7	THE COADAPTATION OF PARENTAL AND OFFSPRING CHARACTERS. Evolution; International Journal of Organic Evolution, 1998, 52, 299-308.	2.3	141
8	COSTS OF EXPLOITING POISONOUS PREY: EVOLUTIONARY TRADEâ€OFFS IN A PREDATORâ€PREY ARMS RACE. Evolution; International Journal of Organic Evolution, 1999, 53, 626-631.	2.3	112
9	Environmental effects on the structure of the G-matrix. Evolution; International Journal of Organic Evolution, 2015, 69, 2927-2940.	2.3	106
10	SEXUAL DIMORPHISM IN THE QUANTITATIVE-GENETIC ARCHITECTURE OF FLORAL, LEAF, AND ALLOCATION TRAITS IN SILENE LATIFOLIA. Evolution; International Journal of Organic Evolution, 2007, 61, 42-57.	2.3	96
11	Female philopatry and male-biased dispersal in a direct-developing salamander, Plethodon cinereus. Molecular Ecology, 2011, 20, 249-257.	3.9	96
12	HOMOGENEITY OF THE GENETIC VARIANCEâ€COVARIANCE MATRIX FOR ANTIPREDATOR TRAITS IN TWO NATURAL POPULATIONS OF THE GARTER SNAKE THAMNOPHIS ORDINOIDES. Evolution; International Journal of Organic Evolution, 1993, 47, 844-854.	2.3	84
13	PHENOTYPIC ASSORTMENT MEDIATES THE EFFECT OF SOCIAL SELECTION IN A WILD BEETLE POPULATION. Evolution; International Journal of Organic Evolution, 2011, 65, 2771-2781.	2.3	82
14	INDIRECT GENETIC EFFECTS INFLUENCE ANTIPREDATOR BEHAVIOR IN GUPPIES: ESTIMATES OF THE COEFFICIENT OF INTERACTIONPSIAND THE INHERITANCE OF RECIPROCITY. Evolution; International Journal of Organic Evolution, 2009, 63, 1796-1806.	2.3	81
15	ON THE ASSIGNMENT OF FITNESS VALUES IN STATISTICAL ANALYSES OF SELECTION. Evolution; International Journal of Organic Evolution, 1996, 50, 437-442.	2.3	79
16	CONVERGENT EVOLUTION OF SEXUAL DIMORPHISM IN SKULL SHAPE USING DISTINCT DEVELOPMENTAL STRATEGIES. Evolution; International Journal of Organic Evolution, 2013, 67, 2180-2193.	2.3	79
17	Adaptive radiation along a deeply conserved genetic line of least resistance inAnolislizards. Evolution Letters, 2018, 2, 310-322.	3.3	75
18	ELIMINATION OF A GENETIC CORRELATION BETWEEN THE SEXES VIA ARTIFICIAL CORRELATIONAL SELECTION. Evolution; International Journal of Organic Evolution, 2011, 65, 2872-2880.	2.3	71

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19	EVOLUTIONARY RESPONSE OF PREDATORS TO DANGEROUS PREYâ€REDUCTION OF TOXICITY OF NEWTS AND RESISTANCE OF GARTER SNAKES IN ISLAND POPULATIONS. Evolution; International Journal of Organic Evolution, 1991, 45, 221-224.	2.3	65
20	CONVERGENT EVOLUTION OF PHENOTYPIC INTEGRATION AND ITS ALIGNMENT WITH MORPHOLOGICAL DIVERSIFICATION IN CARIBBEAN ANOLIS ECOMORPHS. Evolution; International Journal of Organic Evolution, 2011, 65, 3608-3624.	2.3	64
21	DEVELOPMENTAL INTERACTIONS AND THE CONSTITUENTS OF QUANTITATIVE VARIATION. Evolution; International Journal of Organic Evolution, 2001, 55, 232-245.	2.3	59
22	Evolutionary response when selection and genetic variation covary across environments. Ecology Letters, 2016, 19, 1189-1200.	6.4	52
23	Confirmation and Distribution of Tetrodotoxin for the First Time in Terrestrial Invertebrates: Two Terrestrial Flatworm Species (Bipalium adventitium and Bipalium kewense). PLoS ONE, 2014, 9, e100718.	2.5	47
24	Multilevel and kin selection in a connected world. Nature, 2010, 463, E8-E9.	27.8	44
25	The evolution of empty nuptial gifts in a dance fly, Empis snoddyi (Diptera: Empididae): bigger isn't always better. Behavioral Ecology and Sociobiology, 1999, 45, 161-166.	1.4	38
26	Tetrodotoxin affects survival probability of rough-skinned newts (Taricha granulosa) faced with TTX-resistant garter snake predators (Thamnophis sirtalis). Chemoecology, 2010, 20, 285-290.	1.1	36
27	Sex-Specific Selection and the Evolution of Between-Sex Genetic Covariance. Journal of Heredity, 2019, 110, 422-432.	2.4	25
28	Predictably Convergent Evolution of Sodium Channels in the Arms Race between Predators and Prey. Brain, Behavior and Evolution, 2015, 86, 48-57.	1.7	23
29	Large-effect mutations generate trade-off between predatory and locomotor ability during arms race coevolution with deadly prey. Evolution Letters, 2018, 2, 406-416.	3.3	23
30	The geographic mosaic of arms race coevolution is closely matched to prey population structure. Evolution Letters, 2020, 4, 317-332.	3.3	23
31	Convergent adaptation to dangerous prey proceeds through the same firstâ€step mutation in the garter snake Thamnophis sirtalis. Evolution; International Journal of Organic Evolution, 2017, 71, 1504-1518.	2.3	22
32	The geographic mosaic in parallel: Matching patterns of newt tetrodotoxin levels and snake resistance in multiple predatorâ€“prey pairs. Journal of Animal Ecology, 2020, 89, 1645-1657.	2.8	22
33	EVOLUTIONARY RESPONSE OF PREDATORS TO DANGEROUS PREY: PREADAPTATION AND THE EVOLUTION OF TETRODOTOXIN RESISTANCE IN GARTER SNAKES. Evolution; International Journal of Organic Evolution, 1999, 53, 1528-1535.	2.3	21
34	Resistance of Neonates and Field-Collected Garter Snakes (Thamnophis spp.) to Tetrodotoxin. Journal of Chemical Ecology, 2004, 30, 143-154.	1.8	18
35	Patterns of genetic differentiation in Thamnophis and Taricha from the Pacific Northwest. Journal of Biogeography, 2007, 34, 724-735.	3.0	18
36	Toxicity and population structure of the Roughâ€Skinned Newt (Taricha granulosa) outside the range of an arms race with resistant predators. Ecology and Evolution, 2016, 6, 2714-2724.	1.9	18

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37	Social network position experiences more variable selection than weaponry in wild subpopulations of forked fungus beetles. Journal of Animal Ecology, 2021, 90, 168-182.	2.8	16
38	Morphological Correlates of a Combat Performance Trait in the Forked Fungus Beetle, Bolitotherus cornutus. PLoS ONE, 2012, 7, e42738.	2.5	14
39	Interacting phenotypes and the coevolutionary process: Interspecific indirect genetic effects alter coevolutionary dynamics. Evolution; International Journal of Organic Evolution, 2022, 76, 429-444.	2.3	13
40	Fineâ€scale selection by ovipositing females increases egg survival. Ecology and Evolution, 2012, 2, 2763-2774.	1.9	10
41	Surprisingly little population genetic structure in a fungusâ€associated beetle despite its exploitation of multiple hosts. Ecology and Evolution, 2013, 3, 1484-1494.	1.9	10
42	A Synthesis of Game Theory and Quantitative Genetic Models of Social Evolution. Journal of Heredity, 2022, 113, 109-119.	2.4	10
43	Interspecific Aggression and Habitat Partitioning in Garter Snakes. PLoS ONE, 2014, 9, e86208.	2.5	8
44	Group composition of individual personalities alters social network structure in experimental populations of forked fungus beetles. Biology Letters, 2022, 18, 20210509.	2.3	8
45	The road not taken: Evolution of tetrodotoxin resistance in the Sierra garter snake (Thamnophis) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	7
46	Scale dependence of sex ratio in wild plant populations: implications for social selection. Ecology and Evolution, 2016, 6, 1411-1419.	1.9	4
47	Rapid reversal of a potentially constraining genetic covariance between leaf and flower traits in Silene latifolia. Ecology and Evolution, 2020, 10, 569-578.	1.9	4
48	Group and individual social network metrics are robust to changes in resource distribution in experimental populations of forked fungus beetles. Journal of Animal Ecology, 2022, 91, 895-907.	2.8	4
49	An Analysis of Single Clutch Paternity in the Burrower Bug Sehirus cinctus Using Microsatellites. Journal of Insect Behavior, 2003, 16, 731-745.	0.7	3
50	Comparing the Natural and Anthropogenic Sodium Channel Blockers Tetrodotoxin and Indoxacarb in Garter Snakes. Journal of Experimental Zoology, 2016, 325, 255-264.	1.2	2
51	Male competition reverses female preference for male chemical cues. Ecology and Evolution, 2021, 11, 4532-4541.	1.9	2
52	NATURAL HISTORY FIRST (BUT DON'T STOP THERE). Evolution; International Journal of Organic Evolution, 2011, 65, 3336-3337.	2.3	0
53	Mycophagous beetle females do not behave competitively during intrasexual interactions in presence of a fungal resource. Ecology and Evolution, 2022, 12, .	1.9	0