Deborah Ann Roach

List of Publications by Year
in descending order

44	1,383	394421	361022
papers	citations	19 h-index	35 g-index

46	46	46	1307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The case for negative senescence. Theoretical Population Biology, 2004, 65, 339-351.	1.1	294
2	Global gene flow releases invasive plants from environmental constraints on genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4218-4227.	7.1	108
3	Life History Variation in Geranium carolinianum. 1. Covariation between Characters at Different Stages of the Life Cycle. American Naturalist, 1986, 128, 47-57.	2.1	69
4	Reproductive Strategies of Pioneering Alpine Species: Seed Production, Dispersal, and Germination. Arctic and Alpine Research, 1980, 12, 137.	1.3	66
5	MULTIGENERATIONAL EFFECTS OF FLOWERING AND FRUITING PHENOLOGY IN PLANTAGO LANCEOLATA. Ecology, 2003, 84, 2462-2475.	3.2	56
6	Mating Frequency and Inclusive Fitness in Drosophila melanogaster. American Naturalist, 2008, 171, 10-21.	2.1	56
7	Longitudinal analysis of Plantago: Ageâ€byâ€environment interactions reveal aging. Ecology, 2009, 90, 1427-1433.	3.2	53
8	Timing of Seed Production and Dispersal Geranium Carolinianum: Effects on Fitness. Ecology, 1986, 67, 572-576.	3.2	50
9	Population Biology of Aging in the Wild. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 421-443.	8.3	49
10	Ageâ€Specific Demography in Plantago: Uncovering Ageâ€Dependent Mortality in a Natural Population. American Naturalist, 2004, 164, 60-69.	2.1	46
11	Cross-generational fitness benefits of mating and male seminal fluid. Biology Letters, 2008, 4, 6-8.	2.3	46
12	Buried seed and standing vegetation in two adjacent tundra habitats, northern Alaska. Oecologia, 1983, 60, 359-364.	2.0	45
13	Evolutionary senescence in plants. Genetica, 1993, 91, 53-64.	1.1	40
14	AGE-SPECIFIC DEMOGRAPHY INPLANTAGO: VARIATION AMONG COHORTS IN A NATURAL PLANT POPULATION. Ecology, 2003, 84, 749-756.	3.2	38
15	Longitudinal analysis in P lantago : strength of selection and reverse age analysis reveal ageâ€indeterminate senescence. Journal of Ecology, 2013, 101, 577-584.	4.0	32
16	Demographic Senescence in Herbaceous Plants. , 2017, , 303-319.		31
17	Age, growth and size interact with stress to determine life span and mortality. Experimental Gerontology, 2012, 47, 782-786.	2.8	24
18	Death and Plasticity in Clones Influence Invasion Success. Trends in Plant Science, 2016, 21, 551-553.	8.8	23

#	Article	IF	Citations
19	Lifeâ€history tradeâ€offs and senescence in plants. Functional Ecology, 2020, 34, 17-25.	3.6	23
20	MATING-INDUCED RECOMBINATION IN FRUIT FLIES. Evolution; International Journal of Organic Evolution, 2007, 61, 160-167.	2.3	22
21	Phenotypic plasticity masks rangeâ€wide genetic differentiation for vegetative but not reproductive traits in a shortâ€lived plant. Ecology Letters, 2021, 24, 2378-2393.	6.4	21
22	Population dynamics in central and edge populations of a narrowly endemic plant. Ecology, 2014, 95, 1850-1860.	3.2	20
23	Environmental effects on age-dependent mortality: a test with a perennial plant species under natural and protected conditions. Experimental Gerontology, 2001, 36, 687-694.	2.8	19
24	Longitudinal analysis ofPlantago: adaptive benefits of iteroparity in a short-lived, herbaceous perennial. Ecology, 2010, 91, 441-447.	3.2	18
25	The triple helix of Plantago lanceolata : Genetics and the environment interact to determine population dynamics. Ecology, 2012, 93, 793-802.	3.2	16
26	An invasive plant alters pollinatorâ€mediated phenotypic selection on a native congener. American Journal of Botany, 2015, 102, 50-57.	1.7	14
27	Recovery of Alpine Disturbances: Early Growth and Survival in Populations of the Native Species, Arenaria groenlandica, Juncus trifidus, and Potentilla tridentata. Arctic and Alpine Research, 1984, 16, 37.	1.3	11
28	Plastic Growth Responses to Simulated Herbivory. International Journal of Plant Sciences, 2011, 172, 521-529.	1.3	11
29	Pathogen frequency in an age-structured population of Plantago lanceolata. Oecologia, 2003, 136, 141-147.	2.0	9
30	Interactions between artificial light at night, soil moisture, and plant density affect the growth of a perennial wildflower. Oecologia, 2020, 193, 503-510.	2.0	9
31	Validity of photo-oxidative stress markers and stress-related phytohormones as predictive proxies of mortality risk in the perennial herb Plantago lanceolata. Environmental and Experimental Botany, 2021, 191, 104598.	4.2	9
32	Ageing in an herbaceous plant: Increases in mortality and decreases in physiology and seed mass. Journal of Ecology, 2019, 107, 1409-1418.	4.0	7
33	The effects of age on the demography of a perennial plant depend on interactions with size and environment. Journal of Ecology, 2021, 109, 1068-1077.	4.0	7
34	Evolutionary and Demographic Approaches to the Study of Whole Plant Senescence. , 2004, , 331-347.		7
35	Quantifying the effect of genetic, environmental and individual demographic stochastic variability for population dynamics in Plantago lanceolata. Scientific Reports, 2021, 11, 23174.	3.3	7
36	Effects of Early-Life Environment on Phenotype and Selection in Agrostemma githago. International Journal of Plant Sciences, 2013, 174, 877-885.	1.3	5

#	Article	IF	Citations
37	An invasive plant alters phenotypic selection on the vegetative growth of a native congener. American Journal of Botany, 2015, 102, 217-224.	1.7	5
38	Environmental conditions during early life determine the consequences of inbreeding in Agrostemma githago (Caryophyllaceae). Journal of Evolutionary Biology, 2013, 26, 499-508.	1.7	4
39	Parental care and the allocation of resources across generations. Evolutionary Ecology, 1992, 6, 187-197.	1.2	3
40	Potential impacts of tolerance to herbivory on population dynamics of a monocarpic herb. American Journal of Botany, 2015, 102, 1901-1911.	1.7	3
41	Support for a pluralistic view of behavioural evolution. Biology Letters, 2009, 5, 28-29.	2.3	2
42	Plant life histories: ecology, phylogeny, and evolution.(Ed. by J. SILVERTOWN, M. FRANCO and J. L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 New Phytologist, 1999, 142, 1-3.	7.3	1
43	Uncovering variation in the patterns of aging. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6328-6329.	7.1	1
44	The Biology of Life Span. Ecology, 1992, 73, 379.	3.2	0