

Deborah Ann Roach

List of Publications by Year in descending order

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44
papers

1,383
citations

394421

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35
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docs citations

46
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of age on the demography of a perennial plant depend on interactions with size and environment. <i>Journal of Ecology</i> , 2021, 109, 1068-1077.	4.0	7
2	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021, 24, 2378-2393.	6.4	21
3	Validity of photo-oxidative stress markers and stress-related phytohormones as predictive proxies of mortality risk in the perennial herb <i>Plantago lanceolata</i> . <i>Environmental and Experimental Botany</i> , 2021, 191, 104598.	4.2	9
4	Quantifying the effect of genetic, environmental and individual demographic stochastic variability for population dynamics in <i>Plantago lanceolata</i> . <i>Scientific Reports</i> , 2021, 11, 23174.	3.3	7
5	Life-history trade-offs and senescence in plants. <i>Functional Ecology</i> , 2020, 34, 17-25.	3.6	23
6	Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4218-4227.	7.1	108
7	Interactions between artificial light at night, soil moisture, and plant density affect the growth of a perennial wildflower. <i>Oecologia</i> , 2020, 193, 503-510.	2.0	9
8	Ageing in an herbaceous plant: Increases in mortality and decreases in physiology and seed mass. <i>Journal of Ecology</i> , 2019, 107, 1409-1418.	4.0	7
9	Demographic Senescence in Herbaceous Plants. , 2017, , 303-319.		31
10	Uncovering variation in the patterns of aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6328-6329.	7.1	1
11	Death and Plasticity in Clones Influence Invasion Success. <i>Trends in Plant Science</i> , 2016, 21, 551-553.	8.8	23
12	Potential impacts of tolerance to herbivory on population dynamics of a monocarpic herb. <i>American Journal of Botany</i> , 2015, 102, 1901-1911.	1.7	3
13	An invasive plant alters phenotypic selection on the vegetative growth of a native congener. <i>American Journal of Botany</i> , 2015, 102, 217-224.	1.7	5
14	An invasive plant alters pollinator-mediated phenotypic selection on a native congener. <i>American Journal of Botany</i> , 2015, 102, 50-57.	1.7	14
15	Population Biology of Aging in the Wild. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014, 45, 421-443.	8.3	49
16	Population dynamics in central and edge populations of a narrowly endemic plant. <i>Ecology</i> , 2014, 95, 1850-1860.	3.2	20
17	Longitudinal analysis in <i>Plantago</i> : strength of selection and reverse age analysis reveal age-indeterminate senescence. <i>Journal of Ecology</i> , 2013, 101, 577-584.	4.0	32
18	Effects of Early-Life Environment on Phenotype and Selection in <i>Agrostemma githago</i> . <i>International Journal of Plant Sciences</i> , 2013, 174, 877-885.	1.3	5

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19	Environmental conditions during early life determine the consequences of inbreeding in <i>Agrostemma githago</i> (Caryophyllaceae). <i>Journal of Evolutionary Biology</i> , 2013, 26, 499-508.	1.7	4
20	The triple helix of <i>Plantago lanceolata</i> : Genetics and the environment interact to determine population dynamics. <i>Ecology</i> , 2012, 93, 793-802.	3.2	16
21	Age, growth and size interact with stress to determine life span and mortality. <i>Experimental Gerontology</i> , 2012, 47, 782-786.	2.8	24
22	Plastic Growth Responses to Simulated Herbivory. <i>International Journal of Plant Sciences</i> , 2011, 172, 521-529.	1.3	11
23	Longitudinal analysis of <i>Plantago</i> : adaptive benefits of iteroparity in a short-lived, herbaceous perennial. <i>Ecology</i> , 2010, 91, 441-447.	3.2	18
24	Support for a pluralistic view of behavioural evolution. <i>Biology Letters</i> , 2009, 5, 28-29.	2.3	2
25	Longitudinal analysis of <i>Plantago</i> : Age×environment interactions reveal aging. <i>Ecology</i> , 2009, 90, 1427-1433.	3.2	53
26	Cross-generational fitness benefits of mating and male seminal fluid. <i>Biology Letters</i> , 2008, 4, 6-8.	2.3	46
27	Mating Frequency and Inclusive Fitness in <i>Drosophila melanogaster</i> . <i>American Naturalist</i> , 2008, 171, 10-21.	2.1	56
28	MATING-INDUCED RECOMBINATION IN FRUIT FLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 160-167.	2.3	22
29	Age-Specific Demography in <i>Plantago</i> : Uncovering Age-Dependent Mortality in a Natural Population. <i>American Naturalist</i> , 2004, 164, 60-69.	2.1	46
30	The case for negative senescence. <i>Theoretical Population Biology</i> , 2004, 65, 339-351.	1.1	294
31	Evolutionary and Demographic Approaches to the Study of Whole Plant Senescence. , 2004, , 331-347.		7
32	Pathogen frequency in an age-structured population of <i>Plantago lanceolata</i> . <i>Oecologia</i> , 2003, 136, 141-147.	2.0	9
33	MULTIGENERATIONAL EFFECTS OF FLOWERING AND FRUITING PHENOLOGY IN <i>PLANTAGO LANCEOLATA</i> . <i>Ecology</i> , 2003, 84, 2462-2475.	3.2	56
34	AGE-SPECIFIC DEMOGRAPHY IN <i>PLANTAGO</i> : VARIATION AMONG COHORTS IN A NATURAL PLANT POPULATION. <i>Ecology</i> , 2003, 84, 749-756.	3.2	38
35	Environmental effects on age-dependent mortality: a test with a perennial plant species under natural and protected conditions. <i>Experimental Gerontology</i> , 2001, 36, 687-694.	2.8	19
36	Plant life histories: ecology, phylogeny, and evolution.(Ed. by J. SILVERTOWN, M. FRANCO and J. L.) <i>New Phytologist</i> , 1999, 142, 1-3.	7.3	1

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37	Evolutionary senescence in plants. <i>Genetica</i> , 1993, 91, 53-64.	1.1	40
38	The Biology of Life Span. <i>Ecology</i> , 1992, 73, 379.	3.2	0
39	Parental care and the allocation of resources across generations. <i>Evolutionary Ecology</i> , 1992, 6, 187-197.	1.2	3
40	Life History Variation in <i>Geranium carolinianum</i> . 1. Covariation between Characters at Different Stages of the Life Cycle. <i>American Naturalist</i> , 1986, 128, 47-57.	2.1	69
41	Timing of Seed Production and Dispersal <i>Geranium Carolinianum</i> : Effects on Fitness. <i>Ecology</i> , 1986, 67, 572-576.	3.2	50
42	Recovery of Alpine Disturbances: Early Growth and Survival in Populations of the Native Species, <i>Arenaria groenlandica</i> , <i>Juncus trifidus</i> , and <i>Potentilla tridentata</i> . <i>Arctic and Alpine Research</i> , 1984, 16, 37.	1.3	11
43	Buried seed and standing vegetation in two adjacent tundra habitats, northern Alaska. <i>Oecologia</i> , 1983, 60, 359-364.	2.0	45
44	Reproductive Strategies of Pioneering Alpine Species: Seed Production, Dispersal, and Germination. <i>Arctic and Alpine Research</i> , 1980, 12, 137.	1.3	66