

Donald A Levin

List of Publications by Citations

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95
papers

4,337
citations

36
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63
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96
ext. papers

4,781
ext. citations

4
avg, IF

5.82
L-index

#	Paper	IF	Citations
95	Hybridization and the Extinction of Rare Plant Species. <i>Conservation Biology</i> , 1996 , 10, 10-16	6	458
94	MINORITY CYTOTYPE EXCLUSION IN LOCAL PLANT POPULATIONS. <i>Taxon</i> , 1975 , 24, 35-43	0.8	456
93	On the relative abundance of autopolyploids and allopolyploids. <i>New Phytologist</i> , 2016 , 210, 391-8	9.8	194
92	INBREEDING DEPRESSION AND PROXIMITY-DEPENDENT CROSSING SUCCESS IN PHLOX DRUMMONDII. <i>Evolution; International Journal of Organic Evolution</i> , 1984 , 38, 116-127	3.8	180
91	Ecological Constraints on the Establishment of a Novel Polyploid in Competition with Its Diploid Progenitor. <i>American Naturalist</i> , 1984 , 124, 703-711	3.7	164
90	ON THE ABUNDANCE OF POLYPOIDS IN FLOWERING PLANTS. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 1198-1206	3.8	133
89	PHENOTYPIC PLASTICITY OF ANNUAL PHLOX: TESTS OF SOME HYPOTHESES. <i>American Journal of Botany</i> , 1984 , 71, 252-260	2.7	111
88	COMPETITION FOR POLLINATOR SERVICE: A STIMULUS FOR THE EVOLUTION OF AUTOGAMY. <i>Evolution; International Journal of Organic Evolution</i> , 1972 , 26, 668-669	3.8	105
87	Genetic and phenotypic correlations in plants: a botanical test of Cheverud's conjecture. <i>Heredity</i> , 1998 , 80, 310-319	3.6	101
86	GENETIC VARIATION IN ANNUAL PHLOX: SELF-COMPATIBLE VERSUS SELF-INCOMPATIBLE SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 1978 , 32, 245-263	3.8	90
85	REPRODUCTIVE CHARACTER DISPLACEMENT IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 1275-1281	3.8	87
84	THE ORGANIZATION OF GENETIC VARIABILITY IN PHLOX DRUMMONDII. <i>Evolution; International Journal of Organic Evolution</i> , 1977 , 31, 477-494	3.8	80
83	The ecological transition in speciation. <i>New Phytologist</i> , 2004 , 161, 91-96	9.8	78
82	Mating system shifts on the trailing edge. <i>Annals of Botany</i> , 2012 , 109, 613-20	4.1	73
81	THE COMPARATIVE DEMOGRAPHY OF RECIPROCALLY SOWN POPULATIONS OF PHLOX DRUMMONDII HOOK. I. SURVIVORSHIPS, FECUNDITIES, AND FINITE RATES OF INCREASE. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 396-404	3.8	70
80	PROTEIN POLYMORPHISM IN THE NARROW ENDEMIC OENOTHERA ORGANENSIS. <i>Evolution; International Journal of Organic Evolution</i> , 1979 , 33, 534-542	3.8	63
79	INTERSPECIFIC HYBRIDIZATION, HETEROZYGOSITY AND GENE EXCHANGE IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1975 , 29, 37-51	3.8	61

78	QUANTITATIVE GENETICS OF FITNESS TRAITS IN A WILD POPULATION OF PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 169-177	3.8	59
77	Flowering-time plasticity facilitates niche shifts in adjacent populations. <i>New Phytologist</i> , 2009 , 183, 661-666	9.8	58
76	Outcrossing rates as related to plant density in <i>Phlox drummondii</i> . <i>Heredity</i> , 1990 , 65, 81-89	3.6	52
75	Phenotypic plasticity in <i>Phlox</i> . III. Variation among natural populations of <i>P. drummondii</i> . <i>Journal of Evolutionary Biology</i> , 1990 , 3, 411-428	2.3	49
74	PHENOTYPIC PLASTICITY OF ANNUAL PHLOX: TESTS OF SOME HYPOTHESES 1984 , 71, 252		49
73	NATURAL SELECTION AGAINST WHITE PETALS IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1995 , 49, 1017-1022	3.8	46
72	Genic Heterozygosity and Variation in Permanent Translocation Heterozygotes of the OENOTHERA BIENNIS Complex. <i>Genetics</i> , 1975 , 79, 493-512	4	44
71	S-gene polymorphism in <i>Phlox drummondii</i> . <i>Heredity</i> , 1993 , 71, 193-198	3.6	43
70	POLLEN-PISTIL RELATIONSHIPS IN THE POLEMONIACEAE. <i>Evolution; International Journal of Organic Evolution</i> , 1983 , 37, 957-967	3.8	43
69	DYNAMICS OF A HYBRID ZONE IN PHLOX: AN EXPERIMENTAL DEMOGRAPHIC INVESTIGATION. <i>American Journal of Botany</i> , 1985 , 72, 1404-1409	2.7	43
68	Pollen Morphology of Polemoniaceae in Relation to Systematics and Pollination Systems: Scanning Electron Microscopy Paper presented at the Pollen Symposium held at Tempe, Arizona, July 1974.. <i>Grana</i> , 1975 , 15, 92-112	0.8	43
67	Genic Heterozygosity and Protein Polymorphism among Local Populations of OENOTHERA BIENNIS. <i>Genetics</i> , 1975 , 79, 477-91	4	43
66	INBREEDING DEPRESSION IN PARTIALLY SELF-FERTILIZING PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1417-1423	3.8	41
65	EFFECTS OF PARENTAL IDENTITIES AND ENVIRONMENT ON COMPONENTS OF CROSSING SUCCESS IN PHLOX DRUMMONDII. <i>American Journal of Botany</i> , 1989 , 76, 409-418	2.7	39
64	EFFECTS OF HYBRIDIZATION AND INBREEDING ON FITNESS IN PHLOX. <i>American Journal of Botany</i> , 1988 , 75, 1632-1639	2.7	39
63	Polyploid formation shapes flowering plant diversity. <i>American Naturalist</i> , 2014 , 184, 456-65	3.7	38
62	The long wait for hybrid sterility in flowering plants. <i>New Phytologist</i> , 2012 , 196, 666-670	9.8	37
61	DYNAMICS OF SYNTHETIC PHLOX DRUMMONDII POPULATIONS AT THE SPECIES MARGIN. <i>American Journal of Botany</i> , 1984 , 71, 1040-1050	2.7	37

60	Kin-Founding and the Fixation of Chromosomal Variants. <i>American Naturalist</i> , 1984 , 124, 789-797	3.7	36
59	SIZES OF NATURAL MICROGAMETOPHYTE POPULATIONS IN PISTILS OF PHLOX DRUMMONDII. <i>American Journal of Botany</i> , 1990 , 77, 356-363	2.7	35
58	Critical factors in the establishment of allopolyploids. <i>American Journal of Botany</i> , 2016 , 103, 1236-51	2.7	34
57	Metapopulations: an arena for local speciation. <i>Journal of Evolutionary Biology</i> , 1995 , 8, 635-644	2.3	33
56	ASSOCIATIONS BETWEEN ALLOZYME FREQUENCIES AND SOIL CHARACTERISTICS IN GAILLARDIA PULCHELLA (COMPOSITAE). <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 1076-1086	3.8	32
55	CONSEQUENCES OF LONG-TERM ARTIFICIAL SELECTION, INBREEDING AND ISOLATION IN PHLOX. II. THE ORGANIZATION OF ALLOZYMIC VARIABILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1976 , 30, 463-472	3.8	32
54	MORPHOLOGICAL DIFFERENTIATION AND NEIGHBORHOOD SIZE IN LIATRIS CYLINDRACEA. <i>American Journal of Botany</i> , 1978 , 65, 923-928	2.7	31
53	RESPONSE TO SELECTION ON AUTOGAMY IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 892-899	3.8	30
52	GENETIC VARIATION IN LYCOPODIUM LUCIDULUM: A PHYLOGENETIC RELIC. <i>Evolution; International Journal of Organic Evolution</i> , 1973 , 27, 622-632	3.8	30
51	Factors promoting polyploid persistence and diversification and limiting diploid speciation during the K-Pg interlude. <i>Current Opinion in Plant Biology</i> , 2018 , 42, 1-7	9.9	29
50	A CHROMATOGRAPHIC STUDY OF RETICULATE EVOLUTION IN THE APPALACHIAN ASPLENIUM COMPLEX. <i>American Journal of Botany</i> , 1963 , 50, 952-958	2.7	29
49	PROXIMITY-DEPENDENT CROSS-COMPATIBILITY IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1114-1116	3.8	27
48	SPATIAL SEGREGATION OF PINS AND THRUMS IN POPULATIONS OF HEDYOTIS NIGRICANS. <i>Evolution; International Journal of Organic Evolution</i> , 1974 , 28, 648-655	3.8	26
47	Natural hybridization between an outcrossing and a selfing Phlox (Polemoniaceae): The maternal species of F1 hybrids. <i>Plant Systematics and Evolution</i> , 1999 , 218, 153-158	1.3	25
46	THE EFFECT OF INBREEDING ON SEED SURVIVORSHIP IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1047-1049	3.8	25
45	Assortative mating in phlox. <i>Heredity</i> , 1984 , 53, 595-602	3.6	25
44	EFFECTS OF HYBRIDIZATION AND INBREEDING ON FITNESS IN PHLOX 1988 , 75, 1632		25
43	Enhancement of Allee effects in plants due to self-incompatibility alleles. <i>Journal of Ecology</i> , 2009 , 97, 518-527	6	24

42	NOVEL FLAVONOIDS AND RETICULATE EVOLUTION IN THE PHLOX PILOSAB. DRUMMONDII COMPLEX. <i>American Journal of Botany</i> , 1974 , 61, 156-167	2.7	24
41	The timetable for allopolyploidy in flowering plants. <i>Annals of Botany</i> , 2013 , 112, 1201-8	4.1	23
40	Directional selection on initial flowering date in <i>Phlox drummondii</i> (Polemoniaceae). <i>American Journal of Botany</i> , 2000 , 87, 382-391	2.7	22
39	Plant speciation in the age of climate change. <i>Annals of Botany</i> , 2019 , 124, 769-775	4.1	21
38	PHENOTYPIC PLASTICITY IN PHLOX. I. WILD AND CULTIVATED POPULATIONS OF P. DRUMMONDII. <i>American Journal of Botany</i> , 1988 , 75, 161-169	2.7	21
37	NATURAL HYBRIDIZATION BETWEEN PHLOX MACULATA AND PHLOX GLABERRIMA AND ITS EVOLUTIONARY SIGNIFICANCE. <i>American Journal of Botany</i> , 1963 , 50, 714-720	2.7	21
36	THE NOVEL FLAVONOID CHEMISTRY AND PHYLOGENETIC ORIGIN OF PHLOX FLORIDANA. <i>Evolution; International Journal of Organic Evolution</i> , 1975 , 29, 487-499	3.8	20
35	QUANTITATIVE VARIATION IN PHLOX: COMPARISON OF SELFING AND OUTCROSSING SPECIES. <i>American Journal of Botany</i> , 1989 , 76, 577-588	2.7	19
34	The effect of gene dispersal on the dynamics and statics of gene substitution in plants. <i>Heredity</i> , 1975 , 35, 317-336	3.6	19
33	NOVEL FLAVONOIDS AND RETICULATE EVOLUTION IN THE PHLOX PILOSAB. DRUMMONDII COMPLEX 1974 , 61, 156		19
32	DYNAMICS OF SYNTHETIC PHLOX DRUMMONDII POPULATIONS AT THE SPECIES MARGIN 1984 , 71, 1040		18
31	50 years of plant speciation. <i>Taxon</i> , 2001 , 50, 69-91	0.8	16
30	Allozyme genetics in permanent translocation heterozygotes of the <i>Oenothera biennis</i> complex. <i>Biochemical Genetics</i> , 1975 , 13, 487-500	2.4	16
29	AN IMMIGRATION-HYBRIDIZATION EPISODE IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1983 , 37, 575-582	3.8	15
28	Polyploidy and ecological transfiguration in <i>Achillea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6697-8	11.5	14
27	A CHROMATOGRAPHIC STUDY OF CESPITOSE ZINNIAS. <i>American Journal of Botany</i> , 1964 , 51, 639-643	2.7	14
26	NATURAL HYBRIDIZATION BETWEEN PHLOX MACULATA AND PHLOX GLABERRIMA AND ITS EVOLUTIONARY SIGNIFICANCE 1963 , 50, 714		14
25	DYNAMICS OF A HYBRID ZONE IN PHLOX: AN EXPERIMENTAL DEMOGRAPHIC INVESTIGATION 1985 , 72, 1404		14

24	SIZES OF NATURAL MICROGAMETOPHYTE POPULATIONS IN PISTILS OF PHLOX DRUMMONDII 1990 , 77, 356		14
23	Genetic and phenotypic correlations in plants: a botanical test of Cheverud's conjecture		12
22	EFFECTS OF PARENTAL IDENTITIES AND ENVIRONMENT ON COMPONENTS OF CROSSING SUCCESS IN PHLOX DRUMMONDII 1989 , 76, 409		11
21	Why polyploid exceptionalism is not accompanied by reduced extinction rates. <i>Plant Systematics and Evolution</i> , 2019 , 305, 1-11	1.3	11
20	Phyletic hot spots for B chromosomes in angiosperms. <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 962-9	3.8	11
19	GENETIC VARIATION AND DIVERGENCE IN A DISJUNCT PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1984 , 38, 223-225	3.8	10
18	CONSEQUENCES OF LONG-TERM ARTIFICIAL SELECTION, INBREEDING, AND ISOLATION IN PHLOX: I. THE EVOLUTION OF CROSS-INCOMPATIBILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1976 , 30, 335-344	3.8	10
17	PHENOTYPIC PLASTICITY IN PHLOX. I. WILD AND CULTIVATED POPULATIONS OF P. DRUMMONDII 1988 , 75, 161		9
16	QUANTITATIVE VARIATION IN PHLOX: COMPARISON OF SELFING AND OUTCROSSING SPECIES 1989 , 76, 577		9
15	Intraspecific lineages as focal points in the extinction and persistence of species. <i>Plant Systematics and Evolution</i> , 2019 , 305, 719-726	1.3	8
14	Microgametophytes in flowers with and without fruits of Phlox drummondii (Polemoniaceae). <i>Plant Systematics and Evolution</i> , 1996 , 201, 211-221	1.3	8
13	MORPHOLOGICAL DIFFERENTIATION AND NEIGHBORHOOD SIZE IN LIATRIS CYLINDRACEA 1978 , 65, 923		8
12	On the young age of intraspecific herbaceous taxa. <i>New Phytologist</i> , 2017 , 213, 1513-1520	9.8	7
11	Isolate Selection and Ecological Speciation. <i>Systematic Botany</i> , 2005 , 30, 233-241	0.7	7
10	THE AGE STRUCTURE OF A HYBRID SWARM IN LIATRIS (COMPOSITAE). <i>Evolution; International Journal of Organic Evolution</i> , 1973 , 27, 532-535	3.8	7
9	Effect of inbreeding on autogamy in Phlox. <i>Heredity</i> , 1995 , 74, 108-113	3.6	5
8	Extraneous pollen advantage in Phlox cuspidata. <i>Heredity</i> , 1985 , 54, 145-148	3.6	5
7	Association of alleles with chromosomal complexes in the permanent translocation heterozygote, <i>Oenothera lacinata</i> . <i>Heredity</i> , 1980 , 44, 169-176	3.6	5

6	Did dysploid waves follow the pulses of whole genome duplications?. <i>Plant Systematics and Evolution</i> , 2020 , 306, 1	1.3	5
5	Has the Polyploid Wave Ebbed?. <i>Frontiers in Plant Science</i> , 2020 , 11, 251	6.2	4
4	SOMATIC CELL HYBRIDIZATION: APPLICATION IN PLANT SYSTEMATICS. <i>Taxon</i> , 1975 , 24, 261-270	0.8	4
3	Propagule pressure and the establishment of emergent polyploid populations. <i>Annals of Botany</i> , 2021 , 127, 1-5	4.1	2
2	COMPETITIVE RELATIONSHIPS OF OENOTHERA SPECIES WITH DIFFERENT RECOMBINATION SYSTEMS. <i>American Journal of Botany</i> , 1988 , 75, 1175-1180	2.7	
1	Reproductive tactics: mate choice in plants. <i>Science</i> , 1983 , 222, 1322	33.3	