

Donald A Levin

List of Publications by Year in descending order

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95
papers

5,313
citations

81743

39
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91712

69
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96
all docs

96
docs citations

96
times ranked

3568
citing authors

#	ARTICLE	IF	CITATIONS
1	MINORITY CYTOTYPE EXCLUSION IN LOCAL PLANT POPULATIONS. <i>Taxon</i> , 1975, 24, 35-43.	0.4	585
2	Hybridization and the Extinction of Rare Plant Species. <i>Conservation Biology</i> , 1996, 10, 10-16.	2.4	533
3	On the relative abundance of autopolyploids and allopolyploids. <i>New Phytologist</i> , 2016, 210, 391-398.	3.5	340
4	Ecological Constraints on the Establishment of a Novel Polyploid in Competition with Its Diploid Progenitor. <i>American Naturalist</i> , 1984, 124, 703-711.	1.0	221
5	INBREEDING DEPRESSION AND PROXIMITY-DEPENDENT CROSSING SUCCESS IN PHLOX DRUMMONDII. <i>Evolution; International Journal of Organic Evolution</i> , 1984, 38, 116-127.	1.1	201
6	ON THE ABUNDANCE OF POLYPLOIDS IN FLOWERING PLANTS. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1198-1206.	1.1	153
7	PHENOTYPIC PLASTICITY OF ANNUAL PHLOX: TESTS OF SOME HYPOTHESES. <i>American Journal of Botany</i> , 1984, 71, 252-260.	0.8	130
8	Genetic and phenotypic correlations in plants: a botanical test of Cheverud's conjecture. <i>Heredity</i> , 1998, 80, 310-319.	1.2	120
9	COMPETITION FOR POLLINATOR SERVICE: A STIMULUS FOR THE EVOLUTION OF AUTOGAMY. <i>Evolution; International Journal of Organic Evolution</i> , 1972, 26, 668-669.	1.1	112
10	REPRODUCTIVE CHARACTER DISPLACEMENT IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 1275-1281.	1.1	98
11	GENETIC VARIATION IN ANNUAL PHLOX: SELF-COMPATIBLE VERSUS SELF-INCOMPATIBLE SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 1978, 32, 245-263.	1.1	96
12	The ecological transition in speciation. <i>New Phytologist</i> , 2004, 161, 91-96.	3.5	96
13	Mating system shifts on the trailing edge. <i>Annals of Botany</i> , 2012, 109, 613-620.	1.4	92
14	THE ORGANIZATION OF GENETIC VARIABILITY IN <i>PHLOX DRUMMONDII</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1977, 31, 477-494.	1.1	85
15	Flowering-time plasticity facilitates niche shifts in adjacent populations. <i>New Phytologist</i> , 2009, 183, 661-666.	3.5	85
16	THE COMPARATIVE DEMOGRAPHY OF RECIPROCALLY SOWN POPULATIONS OF <i>PHLOX DRUMMONDII</i> HOOK. I. SURVIVORSHIPS, FECUNDITIES, AND FINITE RATES OF INCREASE. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 396-404.	1.1	77
17	Critical factors in the establishment of allopolyploids. <i>American Journal of Botany</i> , 2016, 103, 1236-1251.	0.8	74
18	PROTEIN POLYMORPHISM IN THE NARROW ENDEMIC <i>OENOTHERA ORGANENSIS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1979, 33, 534-542.	1.1	67

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19	INTERSPECIFIC HYBRIDIZATION, HETEROZYGOSITY AND GENE EXCHANGE IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1975, 29, 37-51.	1.1	66
20	A CHROMATOGRAPHIC STUDY OF RETICULATE EVOLUTION IN THE APPALACHIAN ASPLENIUM COMPLEX. <i>American Journal of Botany</i> , 1963, 50, 952-958.	0.8	62
21	QUANTITATIVE GENETICS OF FITNESS TRAITS IN A WILD POPULATION OF PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 169-177.	1.1	59
22	NATURAL SELECTION AGAINST WHITE PETALS IN PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 1017-1022.	1.1	59
23	Factors promoting polyploid persistence and diversification and limiting diploid speciation during the P _g interlude. <i>Current Opinion in Plant Biology</i> , 2018, 42, 1-7.	3.5	59
24	Phenotypic plasticity in Phlox. III. Variation among natural populations of <i>P. drummondii</i> . <i>Journal of Evolutionary Biology</i> , 1990, 3, 411-428.	0.8	58
25	GENIC HETEROZYGOSITY AND VARIATION IN PERMANENT TRANSLOCATION HETEROZYGOTES OF THE <i>OENOTHERA BIENNIS</i> COMPLEX. <i>Genetics</i> , 1975, 79, 493-512.	1.2	56
26	Pollen Morphology of Polemoniaceae in Relation to Systematics and Pollination Systems: Scanning Electron Microscopy. <i>Grana</i> , 1975, 15, 92-112.	0.4	54
27	Outcrossing rates as related to plant density in <i>Phlox drummondii</i> . <i>Heredity</i> , 1990, 65, 81-89.	1.2	53
28	GENIC HETEROZYGOSITY AND PROTEIN POLYMORPHISM AMONG LOCAL POPULATIONS OF <i>OENOTHERA BIENNIS</i> . <i>Genetics</i> , 1975, 79, 477-491.	1.2	53
29	PHENOTYPIC PLASTICITY OF ANNUAL PHLOX: TESTS OF SOME HYPOTHESES. , 1984, 71, 252.		52
30	Polyploid Formation Shapes Flowering Plant Diversity. <i>American Naturalist</i> , 2014, 184, 456-465.	1.0	49
31	POLLEN&PISTIL RELATIONSHIPS IN THE POLEMONIACEAE. <i>Evolution; International Journal of Organic Evolution</i> , 1983, 37, 957-967.	1.1	47
32	S-gene polymorphism in <i>Phlox drummondii</i> . <i>Heredity</i> , 1993, 71, 193-198.	1.2	46
33	The long wait for hybrid sterility in flowering plants. <i>New Phytologist</i> , 2012, 196, 666-670.	3.5	46
34	DYNAMICS OF A HYBRID ZONE IN PHLOX: AN EXPERIMENTAL DEMOGRAPHIC INVESTIGATION. <i>American Journal of Botany</i> , 1985, 72, 1404-1409.	0.8	45
35	Plant speciation in the age of climate change. <i>Annals of Botany</i> , 2019, 124, 769-775.	1.4	45
36	INBREEDING DEPRESSION IN PARTIALLY SELF&FERTILIZING <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 1417-1423.	1.1	44

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37	EFFECTS OF HYBRIDIZATION AND INBREEDING ON FITNESS IN PHLOX. <i>American Journal of Botany</i> , 1988, 75, 1632-1639.	0.8	43
38	Kin-Founding and the Fixation of Chromosomal Variants. <i>American Naturalist</i> , 1984, 124, 789-797.	1.0	42
39	Metapopulations: an arena for local speciation. <i>Journal of Evolutionary Biology</i> , 1995, 8, 635-644.	0.8	41
40	DYNAMICS OF SYNTHETIC PHLOX DRUMMONDII POPULATIONS AT THE SPECIES MARGIN. <i>American Journal of Botany</i> , 1984, 71, 1040-1050.	0.8	39
41	EFFECTS OF PARENTAL IDENTITIES AND ENVIRONMENT ON COMPONENTS OF CROSSING SUCCESS IN PHLOX DRUMMONDII. <i>American Journal of Botany</i> , 1989, 76, 409-418.	0.8	39
42	SIZES OF NATURAL MICROGAMETOPHYTE POPULATIONS IN PISTILS OF PHLOX DRUMMONDII. <i>American Journal of Botany</i> , 1990, 77, 356-363.	0.8	39
43	GENETIC VARIATION IN <i>LYCOPODIUM LUCIDULUM</i> : A PHYLOGENETIC RELIC. <i>Evolution; International Journal of Organic Evolution</i> , 1973, 27, 622-632.	1.1	38
44	CONSEQUENCES OF LONG-TERM ARTIFICIAL SELECTION, INBREEDING AND ISOLATION IN <i>PHLOX</i> . II. THE ORGANIZATION OF ALLOZYMIC VARIABILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1976, 30, 463-472.	1.1	36
45	ASSOCIATIONS BETWEEN ALLOZYME FREQUENCIES AND SOIL CHARACTERISTICS IN <i>GAILLARDIA PULCHELLA</i> (COMPOSITAE). <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 1076-1086.	1.1	36
46	RESPONSE TO SELECTION ON AUTOGAMY IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 892-899.	1.1	35
47	MORPHOLOGICAL DIFFERENTIATION AND NEIGHBORHOOD SIZE IN <i>LIATRIS CYLINDRACEA</i> . <i>American Journal of Botany</i> , 1978, 65, 923-928.	0.8	33
48	PROXIMITY-DEPENDENT CROSS-COMPATIBILITY IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 1114-1116.	1.1	30
49	SPATIAL SEGREGATION OF PINS AND THRUMS IN POPULATIONS OF <i>HEDYOTIS NIGRICANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1974, 28, 648-655.	1.1	29
50	THE EFFECT OF INBREEDING ON SEED SURVIVORSHIP IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1047-1049.	1.1	28
51	Natural hybridization between an outcrossing and a selfing <i>Phlox</i> (Polemoniaceae): The maternal species of F1 hybrids. <i>Plant Systematics and Evolution</i> , 1999, 218, 153-158.	0.3	28
52	Enhancement of Allee effects in plants due to self-incompatibility alleles. <i>Journal of Ecology</i> , 2009, 97, 518-527.	1.9	28
53	NOVEL FLAVONOID AND RETICULATE EVOLUTION IN THE <i>PHLOX PILOSA</i> - <i>P. DRUMMONDII</i> COMPLEX. <i>American Journal of Botany</i> , 1974, 61, 156-167.	0.8	27
54	Assortative mating in <i>phlox</i> . <i>Heredity</i> , 1984, 53, 595-602.	1.2	27

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55	Directional selection on initial flowering date in <i>Phlox drummondii</i> (Polemoniaceae). <i>American Journal of Botany</i> , 2000, 87, 382-391.	0.8	27
56	PHENOTYPIC PLASTICITY IN PHLOX. I. WILD AND CULTIVATED POPULATIONS OF <i>P. DRUMMONDII</i> . <i>American Journal of Botany</i> , 1988, 75, 161-169.	0.8	26
57	The timetable for allopolyploidy in flowering plants. <i>Annals of Botany</i> , 2013, 112, 1201-1208.	1.4	26
58	NATURAL HYBRIDIZATION BETWEEN <i>PHLOX MACULATA</i> AND <i>PHLOX GLABERRIMA</i> AND ITS EVOLUTIONARY SIGNIFICANCE. <i>American Journal of Botany</i> , 1963, 50, 714-720.	0.8	25
59	EFFECTS OF HYBRIDIZATION AND INBREEDING ON FITNESS IN PHLOX. , 1988, 75, 1632.		25
60	Why polyploid exceptionalism is not accompanied by reduced extinction rates. <i>Plant Systematics and Evolution</i> , 2019, 305, 1-11.	0.3	24
61	THE NOVEL FLAVONOID CHEMISTRY AND PHYLOGENETIC ORIGIN OF <i>PHLOX FLORIDANA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1975, 29, 487-499.	1.1	22
62	The effect of gene dispersal on the dynamics and statics of gene substitution in plants. <i>Heredity</i> , 1975, 35, 317-336.	1.2	22
63	QUANTITATIVE VARIATION IN PHLOX: COMPARISON OF SELFING AND OUTCROSSING SPECIES. <i>American Journal of Botany</i> , 1989, 76, 577-588.	0.8	22
64	Allozyme genetics in permanent translocation heterozygotes of the <i>Oenothera biennis</i> complex. <i>Biochemical Genetics</i> , 1975, 13, 487-500.	0.8	21
65	A CHROMATOGRAPHIC STUDY OF CESPITOSE ZINNIAS. <i>American Journal of Botany</i> , 1964, 51, 639-643.	0.8	20
66	NOVEL FLAVONOIDS AND RETICULATE EVOLUTION IN THE <i>PHLOX PILOSA</i> – <i>P. DRUMMONDII</i> COMPLEX. , 1974, 61, 156.		20
67	50 years of plant speciation. <i>Taxon</i> , 2001, 50, 69-91.	0.4	18
68	Has the Polyploid Wave Ebbed?. <i>Frontiers in Plant Science</i> , 2020, 11, 251.	1.7	18
69	DYNAMICS OF SYNTHETIC <i>PHLOX DRUMMONDII</i> POPULATIONS AT THE SPECIES MARGIN. , 1984, 71, 1040.		18
70	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, 6697-6698.	3.3	16
71	AN IMMIGRATION–HYBRIDIZATION EPISODE IN <i>PHLOX</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1983, 37, 575-582.	1.1	15
72	NATURAL HYBRIDIZATION BETWEEN <i>PHLOX MACULATA</i> AND <i>PHLOX GLABERRIMA</i> AND ITS EVOLUTIONARY SIGNIFICANCE. , 1963, 50, 714.		14

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73	DYNAMICS OF A HYBRID ZONE IN PHLOX: AN EXPERIMENTAL DEMOGRAPHIC INVESTIGATION. , 1985, 72, 1404.		14
74	SIZES OF NATURAL MICROGAMETOPHYTE POPULATIONS IN PISTILS OF PHLOX DRUMMONDII. , 1990, 77, 356.		14
75	Genetic and phenotypic correlations in plants: a botanical test of Cheverud's conjecture. , 0, .		13
76	Intraspecific lineages as focal points in the extinction and persistence of species. <i>Plant Systematics and Evolution</i> , 2019, 305, 719-726.	0.3	12
77	Phyletic hot spots for B chromosomes in angiosperms. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 962-9.	1.1	12
78	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.	1.1	11
79	GENETIC VARIATION AND DIVERGENCE IN A DISJUNCT PHLOX. <i>Evolution; International Journal of Organic Evolution</i> , 1984, 38, 223-225.	1.1	11
80	EFFECTS OF PARENTAL IDENTITIES AND ENVIRONMENT ON COMPONENTS OF CROSSING SUCCESS IN PHLOX DRUMMONDII. , 1989, 76, 409.		11
81	THE AGE STRUCTURE OF A HYBRID SWARM IN LIATRIS (COMPOSITAE). <i>Evolution; International Journal of Organic Evolution</i> , 1973, 27, 532-535.	1.1	9
82	Did dysploid waves follow the pulses of whole genome duplications?. <i>Plant Systematics and Evolution</i> , 2020, 306, 1.	0.3	9
83	PHENOTYPIC PLASTICITY IN PHLOX. I. WILD AND CULTIVATED POPULATIONS OF P. DRUMMONDII. , 1988, 75, 161.		9
84	QUANTITATIVE VARIATION IN PHLOX: COMPARISON OF SELFING AND OUTCROSSING SPECIES. , 1989, 76, 577.		9
85	Microgametophytes in flowers with and without fruits of <i>Phlox drummondii</i> (Polemoniaceae). <i>Plant Systematics and Evolution</i> , 1996, 201, 211-221.	0.3	8
86	Propagule pressure and the establishment of emergent polyploid populations. <i>Annals of Botany</i> , 2021, 127, 1-5.	1.4	8
87	MORPHOLOGICAL DIFFERENTIATION AND NEIGHBORHOOD SIZE IN LIATRIS CYLINDRACEA. , 1978, 65, 923.		8
88	Association of alleles with chromosomal complexes in the permanent translocation heterozygote, <i>Oenothera lacinata</i> . <i>Heredity</i> , 1980, 44, 169-176.	1.2	7
89	Extraneous pollen advantage in <i>Phlox cuspidata</i> . <i>Heredity</i> , 1985, 54, 145-148.	1.2	7
90	Isolate Selection and Ecological Speciation. <i>Systematic Botany</i> , 2005, 30, 233-241.	0.2	7

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91	On the young age of intraspecific herbaceous taxa. <i>New Phytologist</i> , 2017, 213, 1513-1520.	3.5	7
92	SOMATIC CELL HYBRIDIZATION: APPLICATION IN PLANT SYSTEMATICS. <i>Taxon</i> , 1975, 24, 261-270.	0.4	5
93	Effect of inbreeding on autogamy in Phlox. <i>Heredity</i> , 1995, 74, 108-113.	1.2	5
94	COMPETITIVE RELATIONSHIPS OF OENOTHERA SPECIES WITH DIFFERENT RECOMBINATION SYSTEMS. <i>American Journal of Botany</i> , 1988, 75, 1175-1180.	0.8	2
95	Reproductive Tactics. <i>Science</i> , 1983, 222, 1322-1322.	6.0	0