

Victoria L Sork

List of Publications by Year in descending order

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109
papers

8,750
citations

46984

47
h-index

46771

89
g-index

115
all docs

115
docs citations

115
times ranked

7810
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial genetic structure of a tropical understory shrub, <i>Psychotria officinalis</i> (Rubiaceae). American Journal of Botany, 1995, 82, 1420-1425.	0.8	823
2	Spatial Genetic Structure of a Tropical Understory Shrub, <i>Psychotria officinalis</i> (Rubiaceae). American Journal of Botany, 1995, 82, 1420.	0.8	573
3	Ecology of Mast-Fruiting in Three Species of North American Deciduous Oaks. Ecology, 1993, 74, 528-541.	1.5	400
4	Landscape approaches to historical and contemporary gene flow in plants. Trends in Ecology and Evolution, 1999, 14, 219-224.	4.2	337
5	Genetic analysis of landscape connectivity in tree populations. Landscape Ecology, 2006, 21, 821-836.	1.9	297
6	Using genetic markers to estimate the pollen dispersal curve. Molecular Ecology, 2004, 13, 937-954.	2.0	266
7	TWO-GENERATION ANALYSIS OF POLLEN FLOW ACROSS A LANDSCAPE. I. MALE GAMETE HETEROGENEITY AMONG FEMALES. Evolution; International Journal of Organic Evolution, 2001, 55, 260-271.	1.1	256
8	Epigenetics in ecology and evolution: what we know and what we need to know. Molecular Ecology, 2016, 25, 1631-1638.	2.0	229
9	Gene movement and genetic association with regional climate gradients in California valley oak (<i>Quercus lobata</i>) in the face of climate change. Molecular Ecology, 2010, 19, 3806-3823.	2.0	208
10	Measuring pollen flow in forest trees: an exposition of alternative approaches. Forest Ecology and Management, 2004, 197, 21-38.	1.4	188
11	Genomic landscape of the global oak phylogeny. New Phytologist, 2020, 226, 1198-1212.	3.5	186
12	Effects of Predation and Light on Seedling Establishment in <i>Gustavia Superba</i> . Ecology, 1987, 68, 1341-1350.	1.5	161
13	Species-wide patterns of DNA methylation variation in <i>Quercus lobata</i> and their association with climate gradients. Molecular Ecology, 2016, 25, 1665-1680.	2.0	159
14	Lianas and Trees in a Liana Forest of Amazonian Bolivia. Biotropica, 2001, 33, 34-47.	0.8	156
15	Evidence for Local Adaptation in Closely Adjacent Subpopulations of Northern Red Oak (<i>Quercus</i>)	1.0	149
16	Dissecting components of population-level variation in seed production and the evolution of masting behavior. Oikos, 2003, 102, 581-591.	1.2	134
17	Influence of late Quaternary climate change on present patterns of genetic variation in valley oak, <i>Quercus lobata</i> . Molecular Ecology, 2013, 22, 3598-3612.	2.0	127
18	Genomic Quantitative Genetics to Study Evolution in the Wild. Trends in Ecology and Evolution, 2017, 32, 897-908.	4.2	127

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19	Examination of Seed Dispersal and Survival in Red Oak, <i>Quercus Rubra</i> (Fagaceae), Using Metal-Tagged Acorns. <i>Ecology</i> , 1984, 65, 1020-1022.	1.5	115
20	Influence of environmental heterogeneity on genetic diversity and structure in an endemic southern Californian oak. <i>Molecular Ecology</i> , 2012, 21, 3210-3223.	2.0	113
21	Contributions of landscape genetics “ approaches, insights, and future potential. <i>Molecular Ecology</i> , 2010, 19, 3489-3495.	2.0	110
22	Genome-wide signature of local adaptation linked to variable CpG methylation in oak populations. <i>Molecular Ecology</i> , 2015, 24, 3823-3830.	2.0	107
23	Phenological Properties of Wind- and Insect-Pollinated Prairie Plants. <i>Ecology</i> , 1981, 62, 49-56.	1.5	102
24	A road map for molecular ecology. <i>Molecular Ecology</i> , 2013, 22, 2605-2626.	2.0	100
25	Hunting of Mammals Reduces Seed Removal and Dispersal of the Afrotropical Tree <i>Antrocaryon klaineanum</i> (Anacardiaceae). <i>Biotropica</i> , 2007, 39, 340-347.	0.8	99
26	First Draft Assembly and Annotation of the Genome of a California Endemic Oak <i>Quercus lobata</i> (Fagaceae). <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3485-3495.	0.8	95
27	Landscape genomic analysis of candidate genes for climate adaptation in a California endemic oak, <i>Quercus lobata</i> . <i>American Journal of Botany</i> , 2016, 103, 33-46.	0.8	93
28	Within-population spatial synchrony in mast seeding of North American oaks. <i>Oikos</i> , 2004, 104, 156-164.	1.2	92
29	A novel approach to an old problem: tracking dispersed seeds. <i>Molecular Ecology</i> , 2005, 14, 3585-3595.	2.0	92
30	Contrasting patterns of historical colonization in white oaks (<i>Quercus</i> spp.) in California and Europe. <i>Molecular Ecology</i> , 2006, 15, 4085-4093.	2.0	89
31	Adaptational lag to temperature in valley oak (<i>Quercus lobata</i>) can be mitigated by genome-informed assisted gene flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25179-25185.	3.3	89
32	Genomic Studies of Local Adaptation in Natural Plant Populations. <i>Journal of Heredity</i> , 2017, 109, 3-15.	1.0	83
33	Climatically stable landscapes predict patterns of genetic structure and admixture in the Californian canyon live oak. <i>Journal of Biogeography</i> , 2015, 42, 328-338.	1.4	74
34	Identity and genetic structure of the photobiont of the epiphytic lichen <i>Ramalina menziesii</i> on three oak species in southern California. <i>American Journal of Botany</i> , 2010, 97, 821-830.	0.8	73
35	Conserving the evolutionary potential of California valley oak (<i>Quercus lobata</i>): a multivariate genetic approach to conservation planning. <i>Molecular Ecology</i> , 2008, 17, 139-156.	2.0	71
36	The impact of weed diversity on insect population dynamics and crop yield in collards, <i>Brassica oleracea</i> (Brassicaceae). <i>Oecologia</i> , 1997, 111, 233-240.	0.9	70

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37	Gene flow and fine-scale genetic structure in a wind-pollinated tree species, <i>Quercus lobata</i> (Fagaceae). <i>American Journal of Botany</i> , 2005, 92, 252-261.	0.8	70
38	Relative contribution of contemporary pollen and seed dispersal to the effective parental size of seedling population of California valley oak (<i>Quercus lobata</i>). <i>Molecular Ecology</i> , 2009, 18, 3967-3979.	2.0	67
39	Short distance pollen movement in a wind-pollinated tree, <i>Quercus lobata</i> (Fagaceae). <i>Forest Ecology and Management</i> , 2009, 258, 735-744.	1.4	64
40	Destination-based seed dispersal homogenizes genetic structure of a tropical palm. <i>Molecular Ecology</i> , 2010, 19, 1745-1753.	2.0	60
41	ASSOCIATION BETWEEN ENVIRONMENTAL AND GENETIC HETEROGENEITY IN FOREST TREE POPULATIONS. <i>Ecology</i> , 2001, 82, 2012-2021.	1.5	59
42	Landscape Genomics to Enable Conservation Actions: The California Conservation Genomics Project. <i>Journal of Heredity</i> , 2022, 113, 577-588.	1.0	59
43	Genomic data reveal cryptic lineage diversification and introgression in Californian golden cup oaks (section <i>Protobalanus</i>). <i>New Phytologist</i> , 2018, 218, 804-818.	3.5	56
44	Ecological specialization in <i>Trebouxia</i> (Trebouxiophyceae) photobionts of <i>Ramalina menziesii</i> (Ramalinaceae) across six ranges covering ecoregions of western North America. <i>American Journal of Botany</i> , 2014, 101, 1127-1140.	0.8	55
45	Gene flow and natural selection shape spatial patterns of genes in tree populations: implications for evolutionary processes and applications. <i>Evolutionary Applications</i> , 2016, 9, 291-310.	1.5	54
46	Landscape genomics provides evidence of climate-associated genetic variation in Mexican populations of <i>Quercus rugosa</i> . <i>Evolutionary Applications</i> , 2018, 11, 1842-1858.	1.5	54
47	EFFECT OF CROSSING DISTANCE AND MALE PARENT ON IN VIVO POLLEN TUBE GROWTH IN <i>CHAMAECRISTA FASCICULATA</i> . <i>American Journal of Botany</i> , 1988, 75, 1898-1903.	0.8	51
48	A two-generation analysis of pollen pool genetic structure in flowering dogwood, <i>Cornus florida</i> (Cornaceae), in the Missouri Ozarks. <i>American Journal of Botany</i> , 2005, 92, 262-271.	0.8	50
49	Influence of climatic niche suitability and geographical overlap on hybridization patterns among southern Californian oaks. <i>Journal of Biogeography</i> , 2014, 41, 1895-1908.	1.4	50
50	Evolutionary and demographic history of the Californian scrub white oak species complex: an integrative approach. <i>Molecular Ecology</i> , 2015, 24, 6188-6208.	2.0	50
51	Phylogenomic inferences from reference-mapped and de novo assembled short-read sequence data using RADseq sequencing of California white oaks (<i>Quercus</i> section <i>Quercus</i>). <i>Genome</i> , 2017, 60, 743-755.	0.9	50
52	Applying landscape genomic tools to forest management and restoration of Hawaiian koa (<i>Acacia</i>). <i>Ecology</i> , 2019, 100, 1-15.	1.9	45
53	Effects of habitat fragmentation on pollen flow and genetic diversity of the endangered tropical tree <i>Swietenia humilis</i> (Meliaceae). <i>Biological Conservation</i> , 2011, 144, 3082-3088.	1.9	44
54	Trade-offs between vegetative growth and acorn production in <i>Quercus lobata</i> during a mast year: the relevance of crop size and hierarchical level within the canopy. <i>Oecologia</i> , 2011, 166, 101-110.	0.9	44

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55	Association of genetic and phenotypic variability with geography and climate in three southern California oaks. <i>American Journal of Botany</i> , 2016, 103, 73-85.	0.8	44
56	Mammalian Seed Dispersal of Pignut Hickory during Three Fruiting Seasons. <i>Ecology</i> , 1983, 64, 1049-1056.	1.5	43
57	Measuring mast seeding behavior: relationships among population variation, individual variation and synchrony. <i>Journal of Theoretical Biology</i> , 2003, 224, 107-114.	0.8	43
58	Creating inclusive classrooms by engaging STEM faculty in culturally responsive teaching workshops. <i>International Journal of STEM Education</i> , 2020, 7, 32.	2.7	41
59	Local genetic structure in a North American epiphytic lichen, <i>Ramalina menziesii</i> (Ramalinaceae). <i>American Journal of Botany</i> , 2008, 95, 568-576.	0.8	39
60	Whole-transcriptome response to water stress in a California endemic oak, <i>Quercus lobata</i> . <i>Tree Physiology</i> , 2017, 37, 632-644.	1.4	37
61	Impacts of human-induced environmental disturbances on hybridization between two ecologically differentiated Californian oak species. <i>New Phytologist</i> , 2017, 213, 942-955.	3.5	37
62	Dispersal of sweet pignut hickory in a year of low fruit production, and the influence of predation by a curculionid beetle. <i>Oecologia</i> , 1977, 28, 289-299.	0.9	36
63	Seed-mediated connectivity among fragmented populations of <i>Quercus castanea</i> (Fagaceae) in a Mexican landscape. <i>American Journal of Botany</i> , 2013, 100, 1663-1671.	0.8	36
64	Population and genetic structure of the West African rain forest liana <i>Ancistrocladus korupensis</i> (Ancistrocladaceae). <i>American Journal of Botany</i> , 1997, 84, 1078-1091.	0.8	34
65	RADseq data reveal ancient, but not pervasive, introgression between Californian tree and scrub oak species (<i>Quercus</i> sect. <i>Quercus</i> : Fagaceae). <i>Molecular Ecology</i> , 2018, 27, 4556-4571.	2.0	33
66	Phylogeography of <i>Ramalina menziesii</i> , a widely distributed lichen-forming fungus in western North America. <i>Molecular Ecology</i> , 2014, 23, 2326-2339.	2.0	32
67	Evolutionary lessons from California plant phylogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8064-8071.	3.3	32
68	Population Density as a Predictor of Genetic Variation for Woody Plant Species. <i>Conservation Biology</i> , 1999, 13, 1079-1087.	2.4	31
69	Evolutionary insights from de novo transcriptome assembly and SNP discovery in California white oaks. <i>BMC Genomics</i> , 2015, 16, 552.	1.2	31
70	Association of transcriptome-wide sequence variation with climate gradients in valley oak (<i>Quercus</i>)	0.6	31
71	Genetic Variation in Fragmented Forest Stands of the Andean Oak <i>Quercus humboldtii</i> Bonpl. (Fagaceae). <i>Biotropica</i> , 2007, 39, 72-78.	0.8	30
72	Landscape genomics of <i>Quercus lobata</i> reveals genes involved in local climate adaptation at multiple spatial scales. <i>Molecular Ecology</i> , 2021, 30, 406-423.	2.0	30

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73	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks. <i>Nature Communications</i> , 2022, 13, 2047.	5.8	30
74	FITNESS CONSEQUENCES OF MIXED DONOR POLLEN LOADS IN THE ANNUAL LEGUME CHAMAECRISTA FASCICULATA. <i>American Journal of Botany</i> , 1992, 79, 508-515.	0.8	28
75	EVALUATING THE EFFECTS OF ECOSYSTEM MANAGEMENT: A CASE STUDY IN A MISSOURI OZARK FOREST. , 2001, 11, 1667-1679.		27
76	Lianas and Trees in a Liana Forest of Amazonian Bolivia1. <i>Biotropica</i> , 2001, 33, 34.	0.8	27
77	Influence of acorn woodpecker social behaviour on transport of coast live oak (<i>Quercus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	27
78	Use of Alpha, Beta, and Gamma Diversity Measures to Characterize Seed Dispersal by Animals. <i>American Naturalist</i> , 2012, 180, 719-732.	1.0	27
79	Tropical insect diversity: evidence of greater host specialization in seed-feeding weevils. <i>Ecology</i> , 2017, 98, 2180-2190.	1.5	26
80	Assessment of shared alleles in drought-associated candidate genes among southern California white oak species (<i>Quercus</i> sect. <i>Quercus</i>). <i>BMC Genetics</i> , 2018, 19, 88.	2.7	26
81	The relative contributions of seed and pollen dispersal to gene flow and genetic diversity in seedlings of a tropical palm. <i>Molecular Ecology</i> , 2018, 27, 3159-3173.	2.0	26
82	Impact of asymmetric male and female gamete dispersal on allelic diversity and spatial genetic structure in valley oak (<i>Quercus lobata</i> N�e). <i>Evolutionary Ecology</i> , 2015, 29, 927-945.	0.5	25
83	Genetic evidence for central-marginal hypothesis in a Cenozoic relict tree species across its distribution in China. <i>Journal of Biogeography</i> , 2016, 43, 2173-2185.	1.4	25
84	Effect of patch size and isolation on mating patterns and seed production in an urban population of Chinese pine (<i>Pinus tabulaeformis</i> Carr.). <i>Forest Ecology and Management</i> , 2010, 260, 965-974.	1.4	24
85	Utilization of red oak acorns in non-bumper crop year. <i>Oecologia</i> , 1983, 59, 49-53.	0.9	23
86	Fitness Consequences of Herbivory on <i>Quercus alba</i> . <i>American Midland Naturalist</i> , 2003, 150, 246-253.	0.2	23
87	Phenotypic plasticity and differentiation in fitness-related traits in invasive populations of the Mediterranean forb <i>Centaurea melitensis</i> (Asteraceae). <i>American Journal of Botany</i> , 2013, 100, 2040-2051.	0.8	22
88	Mating Patterns of Black Oak <i>Quercus velutina</i> (Fagaceae) in a Missouri Oak-Hickory Forest. <i>Journal of Heredity</i> , 2006, 97, 451-455.	1.0	20
89	Foraging patterns of acorn woodpeckers (<i>Melanerpes formicivorus</i>) on valley oak (<i>Quercus lobata</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	19
90	Seedling response to water stress in valley oak (<i>Quercus lobata</i>) is shaped by different gene networks across populations. <i>Molecular Ecology</i> , 2019, 28, 5248-5264.	2.0	19

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91	Sharing and reporting benefits from biodiversity research. <i>Molecular Ecology</i> , 2021, 30, 1103-1107.	2.0	19
92	Using Seedling and Pericarp Tissues to Determine Maternal Parentage of Dispersed Valley Oak Recruits. <i>Journal of Heredity</i> , 2012, 103, 250-259.	1.0	17
93	The roles of geography and environment in divergence within and between two closely related plant species inhabiting an island-like habitat. <i>Journal of Biogeography</i> , 2018, 45, 381-393.	1.4	16
94	Effect of water availability on the phenotypic expression of herbivore resistance in northern red oak seedlings (<i>Quercus rubra</i> L.). <i>Oecologia</i> , 1994, 100, 309-315.	0.9	15
95	Comparison of phylogeographical structures of a lichen-forming fungus and its green algal photobiont in western North America. <i>Journal of Biogeography</i> , 2016, 43, 932-943.	1.4	12
96	Diversity in insect seed parasite guilds at large geographical scale: the roles of host specificity and spatial distance. <i>Journal of Biogeography</i> , 2016, 43, 1620-1630.	1.4	11
97	Experimental DNA Demethylation Associates with Changes in Growth and Gene Expression of Oak Tree Seedlings. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1019-1028.	0.8	11
98	Efecto de la reproducción clonal en la estructura genética de <i>Pentaclethra macroloba</i> (Fabaceae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0.1	0.8	9
99	Genome-Wide Variation in DNA Methylation Predicts Variation in Leaf Traits in an Ecosystem-Foundational Oak Species. <i>Forests</i> , 2021, 12, 569.	0.9	8
100	Influence of a climatic gradient on genetic exchange between two oak species. <i>American Journal of Botany</i> , 2019, 106, 864-878.	0.8	7
101	Influence of Pliocene and Pleistocene climates on hybridization patterns between two closely related oak species in China. <i>Annals of Botany</i> , 2022, 129, 231-245.	1.4	7
102	Dry-washes determine gene flow and genetic diversity in a common desert shrub. <i>Landscape Ecology</i> , 2016, 31, 2215-2229.	1.9	6
103	Association between Environmental and Genetic Heterogeneity in Forest Tree Populations. <i>Ecology</i> , 2001, 82, 2012.	1.5	4
104	VARIATION IN LEAF SHAPE IN A QUERCUS LOBATA COMMON GARDEN: TESTS FOR ADAPTATION TO CLIMATE AND PHYSIOLOGICAL CONSEQUENCES. <i>Madroño</i> , 2020, 67, .	0.3	4
105	TIMING OF BUD BURST IS ASSOCIATED WITH CLIMATE OF MATERNAL ORIGIN IN QUERCUS LOBATA PROGENY IN A COMMON GARDEN. <i>Madroño</i> , 2021, 68, .	0.3	4
106	Isolation and Characterization of Polymorphic Microsatellite Loci in <i>Spondias radlkoferi</i> (Anacardiaceae). <i>Applications in Plant Sciences</i> , 2014, 2, 1400079.	0.8	3
107	Historical interactions are predicted to be disrupted under future climate change: The case of lichen and valley oak. <i>Journal of Biogeography</i> , 2019, 46, 19-29.	1.4	3
108	Ancient Introgression Between Distantly Related White Oaks (<i>Quercus</i> sect. <i>Quercus</i>) Shows Evidence of Climate-Associated Asymmetric Gene Exchange. <i>Journal of Heredity</i> , 2021, 112, 663-670.	1.0	3

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109	The Ecology of Terrestrial Plant- Animal Interactions. Ecology, 1988, 69, 2035-2035.	1.5	0