

Diana F Tomback

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,694
citations

201674

27
h-index

182427

51
g-index

69
all docs

69
docs citations

69
times ranked

2181
citing authors

#	ARTICLE	IF	CITATIONS
1	The Need to Quantify Ecosystem Services Provided by Birds. <i>Auk</i> , 2011, 128, 1-14.	1.4	256
2	Rapid Microsatellite Identification from Illumina Paired-End Genomic Sequencing in Two Birds and a Snake. <i>PLoS ONE</i> , 2012, 7, e30953.	2.5	208
3	Dispersal of Whitebark Pine Seeds by Clark's Nutcracker: A Mutualism Hypothesis. <i>Journal of Animal Ecology</i> , 1982, 51, 451.	2.8	200
4	The evolution of bird-dispersed pines. <i>Evolutionary Ecology</i> , 1990, 4, 185-219.	1.2	175
5	Alpine Treeline of Western North America: Linking Organism-To-Landscape Dynamics. <i>Physical Geography</i> , 2007, 28, 378-396.	1.4	133
6	How Nutcrackers Find Their Seed Stores. <i>Condor</i> , 1980, 82, 10-19.	1.6	130
7	Dialect Discrimination by White-Crowned Sparrows: Reactions to Near and Distant Dialects. <i>Auk</i> , 1983, 100, 452-460.	1.4	80
8	ALLOZYME FREQUENCIES IN A LINEAR SERIES OF SONG DIALECT POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1982, 36, 1020-1029.	2.3	75
9	DELAYED SEED GERMINATION IN WHITEBARK PINE AND REGENERATION PATTERNS FOLLOWING THE YELLOWSTONE FIRES. <i>Ecology</i> , 2001, 82, 2587-2600.	3.2	73
10	Invasive pathogen threatens bird-pine mutualism: implications for sustaining a high-elevation ecosystem. <i>Ecological Applications</i> , 2009, 19, 597-607.	3.8	73
11	Invasive Pathogens At Alpine Treeline: Consequences for Treeline Dynamics. <i>Physical Geography</i> , 2007, 28, 397-418.	1.4	67
12	Blister Rust Prevalence in Krummholz Whitebark Pine: Implications for Treeline Dynamics, Northern Rocky Mountains, Montana, U.S.A. <i>Arctic, Antarctic, and Alpine Research</i> , 2008, 40, 161-170.	1.1	67
13	Modelling stand dynamics in whitebark pine (<i>Pinus albicaulis</i>) forests. <i>Ecological Modelling</i> , 1990, 51, 73-95.	2.5	63
14	Assortative mating by white-crowned sparrows at song dialect boundaries. <i>Animal Behaviour</i> , 1984, 32, 465-469.	1.9	59
15	Seed dispersal by nutcrackers causes multi-trunk growth form in pines. <i>Oecologia</i> , 1985, 67, 107-110.	2.0	57
16	The Effects of Blister Rust on Post-Fire Regeneration of Whitebark Pine: The Sundance Burn of Northern Idaho (U.S.A.). <i>Conservation Biology</i> , 1995, 9, 654-664.	4.7	51
17	Post-fire regeneration of <i>Pinus albicaulis</i> : height-age relationships, age structure, and microsite characteristics. <i>Canadian Journal of Forest Research</i> , 1993, 23, 113-119.	1.7	49
18	Bolus recovery by gray jays: an experimental analysis. <i>Animal Behaviour</i> , 1986, 34, 754-762.	1.9	45

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19	Whitebark Pine Stand Condition, Tree Abundance, and Cone Production as Predictors of Visitation by Clark's Nutcracker. PLoS ONE, 2012, 7, e37663.	2.5	45
20	Community Structure, Biodiversity, and Ecosystem Services in Treeline Whitebark Pine Communities: Potential Impacts from a Non-Native Pathogen. Forests, 2016, 7, 21.	2.1	44
21	The influence of white pine blister rust on seed dispersal in whitebark pine. Canadian Journal of Forest Research, 2007, 37, 1044-1057.	1.7	42
22	Measuring Dominance and Constructing Hierarchies: An Example Using Mule Deer. Ethology, 1989, 82, 275-286.	1.1	40
23	REPLY TO "ALLOZYMES AND SONG DIALECTS: A REASSESSMENT", Evolution; International Journal of Organic Evolution, 1984, 38, 449-451.	2.3	30
24	Tree Clusters and Growth Form Distribution in Pinus cembra, a Bird-Dispersed Pine. Arctic and Alpine Research, 1993, 25, 374.	1.3	30
25	Growth form distribution and genetic relationships in tree clusters of Pinus flexilis, a bird-dispersed pine. Oecologia, 1994, 98, 402-411.	2.0	30
26	Two Low Coverage Bird Genomes and a Comparison of Reference-Guided versus De Novo Genome Assemblies. PLoS ONE, 2014, 9, e106649.	2.5	30
27	Cone opening phenology, seed dispersal, and seed predation in southwestern white pine (<i>Pinus</i>) Tj ETQq1 1,0784314,rgBT/O	1.4	29
28	Limber Pine Seed Harvest by Clark's Nutcracker in the Sierra Nevada: Timing and Foraging Behavior. Condor, 1980, 82, 467.	1.6	28
29	The effects of seed source health on whitebark pine (<i>Pinus albicaulis</i>) regeneration density after wildfire. Canadian Journal of Forest Research, 2015, 45, 1597-1606.	1.7	25
30	Tannin and Protein in the Diet of a Food-Hoarding Granivore, the Western Scrub-Jay. Condor, 1996, 98, 474-482.	1.6	24
31	Evaluating future success of whitebark pine ecosystem restoration under climate change using simulation modeling. Restoration Ecology, 2017, 25, 220-233.	2.9	24
32	Life on the edge for limber pine: Seed dispersal within a peripheral population. Ecoscience, 2005, 12, 519-529.	1.4	23
33	Topographic influences on the distribution of white pine blister rust in <i>Pinus albicaulis</i> treeline communities. Ecoscience, 2013, 20, 215-229.	1.4	22
34	The Importance of Conifers for Facilitation at Treeline: Comparing Biophysical Characteristics of Leeward Microsites in Whitebark Pine Communities. Arctic, Antarctic, and Alpine Research, 2016, 48, 427-444.	1.1	22
35	Limitations to Propagule Dispersal Will Constrain Postfire Recovery of Plants and Fungi in Western Coniferous Forests. BioScience, 2022, 72, 347-364.	4.9	21
36	Cascading effects of feedbacks, disease, and climate change on alpine treeline dynamics. Environmental Modelling and Software, 2014, 62, 85-96.	4.5	19

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37	Ecotone response to climatic variability depends on stress gradient interactions. <i>Climate Change Responses</i> , 2017, 4, .	2.6	19
38	Population genetic structure in a bird-dispersed pine, <i>Pinus albicaulis</i> (Pinaceae). <i>Canadian Journal of Botany</i> , 1998, 76, 83-90.	1.1	18
39	An Emetic Technique to Investigate Food Preferences. <i>Auk</i> , 1975, 92, 581-583.	1.4	17
40	COST OF MUTUALISM: COMPETITION, TREE MORPHOLOGY, AND POLLEN PRODUCTION IN LIMBER PINE CLUSTERS. <i>Ecology</i> , 1999, 80, 324-329.	3.2	17
41	Relative Abundance and Functional Role of Whitebark Pine at Treeline in the Northern Rocky Mountains. <i>Arctic, Antarctic, and Alpine Research</i> , 2014, 46, 407-418.	1.1	17
42	Microsite and elevation zone effects on seed pilferage, germination, and seedling survival during early whitebark pine recruitment. <i>Ecology and Evolution</i> , 2017, 7, 9027-9040.	1.9	17
43	Predicting Functional Role and Occurrence of Whitebark Pine (<i>Pinus albicaulis</i>) at Alpine Treelines: Model Accuracy and Variable Importance. <i>Annals of the American Association of Geographers</i> , 2014, 104, 703-722.	3.0	16
44	Population genetic structure in a bird-dispersed pine, <i>Pinus albicaulis</i> (Pinaceae). <i>Canadian Journal of Botany</i> , 1998, 76, 83-90.	1.1	14
45	Whitebark pine facilitation at treeline: potential interactions for disruption by an invasive pathogen. <i>Ecology and Evolution</i> , 2016, 6, 5144-5157.	1.9	14
46	The Impact of Seed Dispersal by Clark's Nutcracker on Whitebark Pine: Multi-scale Perspective on a High Mountain Mutualism. , 2005, , 181-201.		13
47	Weather radar data correlate to hail-induced mortality in grassland birds. <i>Remote Sensing in Ecology and Conservation</i> , 2017, 3, 90-101.	4.3	13
48	Tamm review: Current and recommended management practices for the restoration of whitebark pine (<i>Pinus albicaulis</i> Engelm.), an imperiled high-elevation Western North American forest tree. <i>Forest Ecology and Management</i> , 2022, 522, 119929.	3.2	13
49	Behavioral consequences of song learning: Discrimination of song types by male white-crowned sparrows. <i>Learning and Motivation</i> , 1984, 15, 428-440.	1.2	12
50	Loss of foundation species revisited: conceptual framework with lessons learned from eastern hemlock and whitebark pine. <i>Ecosphere</i> , 2019, 10, e02917.	2.2	12
51	A mating system conundrum: hybridization in <i>Apocynum</i> (Apocynaceae). <i>American Journal of Botany</i> , 1998, 85, 1316-1323.	1.7	11
52	Survival of Whitebark Pine Seedlings Grown from Direct Seeding: Implications for Regeneration and Restoration under Climate Change. <i>Forests</i> , 2019, 10, 677.	2.1	11
53	Blood from a turnip: tissue origin of low-coverage shotgun sequencing libraries affects recovery of mitogenome sequences. <i>Mitochondrial DNA</i> , 2015, 26, 384-388.	0.6	9
54	Climate-altered fire regimes may increase extirpation risk in an upper subalpine conifer species of management concern. <i>Ecosphere</i> , 2020, 11, e03220.	2.2	9

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55	Energetic behavioural-strategy prioritization of Clark's nutcrackers in whitebark pine communities: An agent-based modeling approach. <i>Ecological Modelling</i> , 2017, 354, 123-139.	2.5	8
56	Observations on the Behavior and Ecology of the Mariana Crow. <i>Condor</i> , 1986, 88, 398-401.	1.6	6
57	Variant maturity in seed structures of <i>Pinus albicaulis</i> (Engelm.) and <i>Pinus sibirica</i> (Du Tour): key to a soil seed bank, unusual among conifers?. <i>Trees - Structure and Function</i> , 2008, 22, 225-236.	1.9	5
58	Whitebark Pine Prevalence and Ecological Function in Treeline Communities of the Greater Yellowstone Ecosystem, U.S.A.: Potential Disruption by White Pine Blister Rust. <i>Forests</i> , 2018, 9, 635.	2.1	5
59	Temporal and energetic drivers of seed resource use by Clark's nutcracker, keystone seed disperser of coniferous forests. <i>Ecosphere</i> , 2020, 11, e03085.	2.2	5
60	Soil moisture regime and canopy closure structure subalpine understory development during the first three decades following fire. <i>Forest Ecology and Management</i> , 2021, 483, 118783.	3.2	5
61	Seed Manipulation by Clark's Nutcracker. <i>Condor</i> , 1983, 85, 372.	1.6	4
62	Clark's Nutcrackers Harvest Sugar Pine Seeds from Cones. <i>Western North American Naturalist</i> , 2010, 70, 413-414.	0.4	4
63	REPLY TO HAFNER AND PETERSEN. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 1177-1179.	2.3	3
64	Delayed Seed Germination in Whitebark Pine and Regeneration Patterns Following the Yellowstone Fires. <i>Ecology</i> , 2001, 82, 2587.	3.2	3
65	Development and characterization of thirteen microsatellite loci in Clark's nutcracker (<i>Nucifraga</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	2
66	Development of nuclear microsatellite loci for <i>Pinus albicaulis</i> Engelm. (Pinaceae), a conifer of conservation concern. <i>PLoS ONE</i> , 2018, 13, e0205423.	2.5	2
67	Effective actions for managing resilient high elevation five-needle white pine forests in western North America at multiple scales under changing climates. <i>Forest Ecology and Management</i> , 2022, 505, 119939.	3.2	1
68	Community Structure and Functional Role of Limber Pine (<i>Pinus flexilis</i>) in Treeline Communities in Rocky Mountain National Park. <i>Forests</i> , 2020, 11, 838.	2.1	0
69	Post-fire conifer regeneration hinders digital estimation of understory plant cover in subalpine forest vegetation. <i>Applied Vegetation Science</i> , 2021, 24, e12609.	1.9	0