David C Shaw

List of Publications by Year
in descending order

Version: 2024-02-01

57 papers	3,409 citations	304743 22 h-index	161849 54 g-index
59 all docs	59 docs citations	59 times ranked	3644 citing authors

#	Article	IF	Citations
1	Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example. Forest Ecology and Management, 2002, 155, 399-423.	3.2	1,383
2	Mistletoes: Pathology, Systematics, Ecology, and Management. Plant Disease, 2008, 92, 988-1006.	1.4	220
3	Forest responses to climate change in the northwestern United States: Ecophysiological foundations for adaptive management. Forest Ecology and Management, 2011, 261, 1121-1142.	3.2	210
4	Three-dimensional Structure of an Old-growth Pseudotsuga-Tsuga Canopy and Its Implications for Radiation Balance, Microclimate, and Gas Exchange. Ecosystems, 2004, 7, 440.	3.4	144
5	Production, Respiration, and Overall Carbon Balance in an Old-growth Pseudotsuga-Tsuga Forest Ecosystem. Ecosystems, 2004, 7, 498.	3.4	134
6	Dynamics of water transport and storage in conifers studied with deuterium and heat tracing techniques. Plant, Cell and Environment, 2006, 29, 105-114.	5.7	119
7	Epiphyte Habitats in an Old Conifer Forest in Western Washington, U.S.A.. Bryologist, 2000, 103, 417-427.	0.6	114
8	Ecological Setting of the Wind River Old-growth Forest. Ecosystems, 2004, 7, 427.	3.4	100
9	Integrated responses of hydraulic architecture, water and carbon relations of western hemlock to dwarf mistletoe infection. Plant, Cell and Environment, 2004, 27, 937-946.	5.7	94
10	A review of logistic regression models used to predict post-fire tree mortality of western North American conifers. International Journal of Wildland Fire, 2012, 21, 1.	2.4	81
11	Comparison of dwarf mistletoes (Arceuthobium spp., Viscaceae) in the western United States with mistletoes (Amyema spp., Loranthaceae) in Australiaâ€"ecological analogs and reciprocal models for ecosystem management. Australian Journal of Botany, 2004, 52, 481.	0.6	72
12	Does wildfire likelihood increase following insect outbreaks in conifer forests?. Ecosphere, 2015, 6, 1-24.	2.2	50
13	Vertical Organization of Canopy Biota. , 2004, , 73-101.		43
14	Crown structure and the distribution of epiphyte functional group biomass in old-growthPseudotsuga menziesiitrees. Ecoscience, 1999, 6, 243-254.	1.4	40
15	Spatial and population characteristics of dwarf mistletoe infected trees in an old-growth Douglas-fir Â– western hemlock forest. Canadian Journal of Forest Research, 2005, 35, 990-1001.	1.7	40
16	Ethanol Attracts Scolytid Beetles to Phytophthora ramorum Cankers on Coast Live Oak. Journal of Chemical Ecology, 2013, 39, 494-506.	1.8	39
17	Seasonal carbohydrate dynamics and growth in Douglas-fir trees experiencing chronic, fungal-mediated reduction in functional leaf area. Tree Physiology, 2014, 34, 218-228.	3.1	39
18	Branch growth and crown form in old coastal Douglas-fir. Forest Ecology and Management, 2000, 131, 81-91.	3.2	38

#	Article	IF	Citations
19	Interactions of predominant insects and diseases with climate change in Douglas-fir forests of western Oregon and Washington, U.S.A.. Forest Ecology and Management, 2018, 409, 317-332.	3.2	38
20	Impacts of Swiss needle cast on overstory Douglas-fir forests of the western Oregon Coast Range. Forest Ecology and Management, 2010, 259, 1673-1680.	3.2	35
21	Height growth and vertical development of an old-growth Pseudotsuga-Tsuga forest in southwestern Washington State, U.S.A.. Canadian Journal of Forest Research, 2000, 30, 17-24.	1.7	29
22	Swiss Needle Cast in Western Oregon Douglas-Fir Plantations: 20â€Year Monitoring Results. Forests, 2016, 7, 155.	2.1	27
23	Tree growth declines and mortality were associated with a parasitic plant during warm and dry climatic conditions in a temperate coniferous forest ecosystem. Global Change Biology, 2020, 26, 1714-1724.	9.5	24
24	Tree-ring analysis of the fungal disease Swiss needle cast in western Oregon coastal forests. Canadian Journal of Forest Research, 2013, 43, 677-690.	1.7	22
25	Basal area growth impacts of dwarf mistletoe on western hemlock in an old-growth forest. Canadian Journal of Forest Research, 2008, 38, 576-583.	1.7	19
26	Treeâ€ring stable isotopes record the impact of a foliar fungal pathogen on <scp><scp>CO₂</scp></scp> assimilation and growth in <scp>D</scp>ouglasâ€fir. Plant, Cell and Environment, 2014, 37, 1536-1547.	5.7	19
27	Climate of seed source affects susceptibility of coastal Douglasâ€fir to foliage diseases. Ecosphere, 2017, 8, e02011.	2.2	19
28	Increased streamflow in catchments affected by a forest disease epidemic. Science of the Total Environment, 2019, 691, 112-123.	8.0	17
29	Incidence of wetwood and decay in precommercially thinned western hemlock stands. Canadian Journal of Forest Research, 1995, 25, 1269-1277.	1.7	15
30	Effects of Dwarf Mistletoe on Stand Structure of Lodgepole Pine Forests 21-28 Years Post-Mountain Pine Beetle Epidemic in Central Oregon. PLoS ONE, 2014, 9, e107532.	2.5	15
31	Evaluating the Accuracy of Ground-Based Hemlock Dwarf Mistletoe Rating: A Case Study Using the Wind River Canopy Crane. Western Journal of Applied Forestry, 2000, 15, 8-14.	0.5	13
32	Impacts of dwarf mistletoe on the physiology of host Tsuga heterophylla trees as recorded in tree-ring C and O stable isotopes. Tree Physiology, 2014, 34, 595-607.	3.1	13
33	Fire and dwarf mistletoe (Viscaceae: Arceuthobium species) in western North America: contrasting Arceuthobium tsugense and Arceuthobium americanum. Botany, 2017, 95, 231-246.	1.0	12
34	STAND-LEVEL HERBIVORY IN AN OLD-GROWTH CONIFER FOREST CANOPY. Western North American Naturalist, 2006, 66, 473-481.	0.4	11
35	Vertical Foliage Retention in Douglas-Fir Across Environmental Gradients of the Western Oregon Coast Range Influenced by Swiss Needle Cast. Northwest Science, 2014, 88, 23-32.	0.2	11
36	An ecological perspective on living with fire in ponderosa pine forests of Oregon and Washington: Resistance, gone but not forgotten. Trees, Forests and People, 2021, 4, 100074.	1.9	10

#	Article	IF	Citations
37	A forest health inventory assessment of red fir (Abies magnifica) in upper montane California. Ecoscience, 2015, 22, 47-58.	1.4	9
38	Climate Risk Modelling of Balsam Woolly Adelgid Damage Severity in Subalpine Fir Stands of Western North America. PLoS ONE, 2016, 11, e0165094.	2.5	9
39	Severity of Swiss needle cast in young and mature Douglas-fir forests in western Oregon, USA. Forest Ecology and Management, 2019, 442, 79-95.	3.2	9
40	Fertilization impacts on Swiss needle cast disease severity in western Oregon. Forest Ecology and Management, 2013, 287, 147-158.	3.2	8
41	Persistence of the Swiss Needle Cast Outbreak in Oregon Coastal Douglas-Fir and New Insights from Research and Monitoring. Journal of Forestry, 2021, 119, 407-421.	1.0	8
42	Introduced and Native Parasitoid Wasps Associated With Larch Casebearer (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (	1.4	6
43	The Discriminatory Ability of Postfire Tree Mortality Logistic Regression Models. Forest Science, 2015, 61, 344-352.	1.0	6
44	Oak mistletoe (Phoradendron villosum) is linked to microhabitat availability and avian diversity in Oregon white oak (Quercus garryana) woodlands. Botany, 2017, 95, 283-294.	1.0	6
45	Beyond red crowns: complex changes in surface and crown fuels and their interactions 32 years following mountain pine beetle epidemics in south-central Oregon, USA. Fire Ecology, 2019, 15, .	3.0	6
46	WIND RIVER CANOPY CRANE RESEARCH FACILITY AND WIND RIVER EXPERIMENTAL FOREST. Bulletin of the Ecological Society of America, 2003, 84, 115-121.	0.2	5
47	Douglas-fir foliage retention dynamics across a gradient of Swiss needle cast in coastal Oregon and Washington. Canadian Journal of Forest Research, 2021, 51, 573-582.	1.7	5
48	A Severity Rating System for Evaluating Stand-Level Balsam Woolly Adelgid (Hemiptera: Adelgidae) Damage in Two Abies Species in Western North America. Forest Science, 2016, 62, 181-189.	1.0	4
49	Expansion of the invasive European mistletoe in California, USA. Botany, 2020, 98, 517-524.	1.0	4
50	Surface fuels in recent Phytophthora ramorum created gaps and adjacent intact Quercus agrifolia forests, East Bay Regional Parks, California, USA. Forest Ecology and Management, 2017, 384, 331-338.	3.2	3
51	Veiled Polypore (Cryptoporus volvatus) as a Foraging Substrate for the White-Headed Woodpecker (Picoides albolarvatus). Northwestern Naturalist, 2018, 99, 58-62.	0.4	3
52	Transformation of western hemlock (Tsuga heterophylla) tree crowns by dwarf mistletoe (Arceuthobium tsugense, Viscaceae). Forest Pathology, 2021, 51, .	1.1	3
53	Tree species diversity increases with conspecific negative density dependence across an elevation gradient. Ecology Letters, 2022, 25, 1237-1249.	6.4	3
54	Associations between Swiss Needle Cast Severity and Foliar Nutrients in Young-Growth Douglas-Fir in Coastal Western Oregon and Southwest Washington, USA. Forest Science, 2019, 65, 537-542.	1.0	2

#	Article	IF	Citations
55	Distribution of a Foliage Disease Fungus Within Canopies of Mature Douglas-Fir in Western Oregon. Frontiers in Forests and Global Change, 2022, 5, .	2.3	1
56	Introduction to â€œMistletoes: Pathogens, Keystone Resource, and Medicinal Wonderâ€. Botany, 2017, 95, v-vi.	1.0	0
57	Complex interactions of mistletoe, ecosystems, and people. Botany, 2020, 98, v-vi.	1.0	0