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	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
2	Tree species diversity increases with conspecific negative density dependence across an elevation gradient. Ecology Letters, 2022, 25, 1237-1249.	6.4	3
3	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
4	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
5	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
6	Transformation of western hemlock (Tsuga heterophylla) tree crowns by dwarf mistletoe (Arceuthobium tsugense, Viscaceae). Forest Pathology, 2021, 51, .	1.1	3
7	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
8	Expansion of the invasive European mistletoe in California, USA. Botany, 2020, 98, 517-524.	1.0	4
9	Complex interactions of mistletoe, ecosystems, and people. Botany, 2020, 98, v-vi.	1.0	0
10	Increased streamflow in catchments affected by a forest disease epidemic. Science of the Total Environment, 2019, 691, 112-123.	8.0	17
11	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
12	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
13	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
14	Veiled Polypore (Cryptoporus volvatus) as a Foraging Substrate for the White-Headed Woodpecker (Picoides albolarvatus). Northwestern Naturalist, 2018, 99, 58-62.	0.4	3
15	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
16	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
17	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
18	Introduction to â€œMistletoes: Pathogens, Keystone Resource, and Medicinal Wonderâ€• Botany, 2017, 95, v-vi.	1.0	0

#	Article	IF	Citations
19	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
20	Climate of seed source affects susceptibility of coastal Douglasâ€fir to foliage diseases. Ecosphere, 2017, 8, e02011.	2.2	19
21	Swiss Needle Cast in Western Oregon Douglas-Fir Plantations: 20â€Year Monitoring Results. Forests, 2016, 7, 155.	2.1	27
22	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
23	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
24	Does wildfire likelihood increase following insect outbreaks in conifer forests?. Ecosphere, 2015, 6, 1-24.	2.2	50
25	A forest health inventory assessment of red fir (Abies magnifica) in upper montane California. Ecoscience, 2015, 22, 47-58.	1.4	9
26	Introduced and Native Parasitoid Wasps Associated With Larch Casebearer (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td	1.4	6
27	The Discriminatory Ability of Postfire Tree Mortality Logistic Regression Models. Forest Science, 2015, 61, 344-352.	1.0	6
28	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
29	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
30	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
31	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
32	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
33	Ethanol Attracts Scolytid Beetles to Phytophthora ramorum Cankers on Coast Live Oak. Journal of Chemical Ecology, 2013, 39, 494-506.	1.8	39
34	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
35	Fertilization impacts on Swiss needle cast disease severity in western Oregon. Forest Ecology and Management, 2013, 287, 147-158.	3.2	8
36	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

#	Article	IF	Citations
37	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
38	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
39	Mistletoes: Pathology, Systematics, Ecology, and Management. Plant Disease, 2008, 92, 988-1006.	1.4	220
40	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
41	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
42	STAND-LEVEL HERBIVORY IN AN OLD-GROWTH CONIFER FOREST CANOPY. Western North American Naturalist, 2006, 66, 473-481.	0.4	11
43	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
44	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
45	Ecological Setting of the Wind River Old-growth Forest. Ecosystems, 2004, 7, 427.	3.4	100
46	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
47	Production, Respiration, and Overall Carbon Balance in an Old-growth Pseudotsuga-Tsuga Forest Ecosystem. Ecosystems, 2004, 7, 498.	3.4	134
48	Vertical Organization of Canopy Biota. , 2004, , 73-101.		43
49	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
50	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
51	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
52	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
53	Branch growth and crown form in old coastal Douglas-fir. Forest Ecology and Management, 2000, 131, 81-91.	3.2	38
54	Epiphyte Habitats in an Old Conifer Forest in Western Washington, U.S.A.. Bryologist, 2000, 103, 417-427.	0.6	114

#	Article	IF	Citations
55	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
56	Crown structure and the distribution of epiphyte functional group biomass in old-growthPseudotsuga menziesiitrees. Ecoscience, 1999, 6, 243-254.	1.4	40
57	Incidence of wetwood and decay in precommercially thinned western hemlock stands. Canadian Journal of Forest Research, 1995, 25, 1269-1277.	1.7	15