

David C Shaw

List of Publications by Year in descending order

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57
papers

3,409
citations

304368

22
h-index

161609

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. <i>Forest Ecology and Management</i> , 2002, 155, 399-423.	1.4	1,383
2	Mistletoes: Pathology, Systematics, Ecology, and Management. <i>Plant Disease</i> , 2008, 92, 988-1006.	0.7	220
3	Forest responses to climate change in the northwestern United States: Ecophysiological foundations for adaptive management. <i>Forest Ecology and Management</i> , 2011, 261, 1121-1142.	1.4	210
4	Three-dimensional Structure of an Old-growth <i>Pseudotsuga-Tsuga</i> Canopy and Its Implications for Radiation Balance, Microclimate, and Gas Exchange. <i>Ecosystems</i> , 2004, 7, 440.	1.6	144
5	Production, Respiration, and Overall Carbon Balance in an Old-growth <i>Pseudotsuga-Tsuga</i> Forest Ecosystem. <i>Ecosystems</i> , 2004, 7, 498.	1.6	134
6	Dynamics of water transport and storage in conifers studied with deuterium and heat tracing techniques. <i>Plant, Cell and Environment</i> , 2006, 29, 105-114.	2.8	119
7	Epiphyte Habitats in an Old Conifer Forest in Western Washington, U.S.A.. <i>Bryologist</i> , 2000, 103, 417-427.	0.1	114
8	Ecological Setting of the Wind River Old-growth Forest. <i>Ecosystems</i> , 2004, 7, 427.	1.6	100
9	Integrated responses of hydraulic architecture, water and carbon relations of western hemlock to dwarf mistletoe infection. <i>Plant, Cell and Environment</i> , 2004, 27, 937-946.	2.8	94
10	A review of logistic regression models used to predict post-fire tree mortality of western North American conifers. <i>International Journal of Wildland Fire</i> , 2012, 21, 1.	1.0	81
11	Comparison of dwarf mistletoes (<i>Arceuthobium</i> spp., <i>Viscaceae</i>) in the western United States with mistletoes (<i>Amyema</i> spp., <i>Loranthaceae</i>) in Australia—ecological analogs and reciprocal models for ecosystem management. <i>Australian Journal of Botany</i> , 2004, 52, 481.	0.3	72
12	Does wildfire likelihood increase following insect outbreaks in conifer forests?. <i>Ecosphere</i> , 2015, 6, 1-24.	1.0	50
13	Vertical Organization of Canopy Biota. , 2004, , 73-101.		43
14	Crown structure and the distribution of epiphyte functional group biomass in old-growth <i>Pseudotsuga menziesii</i> trees. <i>Ecoscience</i> , 1999, 6, 243-254.	0.6	40
15	Spatial and population characteristics of dwarf mistletoe infected trees in an old-growth Douglas-fir – western hemlock forest. <i>Canadian Journal of Forest Research</i> , 2005, 35, 990-1001.	0.8	40
16	Ethanol Attracts Scolytid Beetles to <i>Phytophthora ramorum</i> Cankers on Coast Live Oak. <i>Journal of Chemical Ecology</i> , 2013, 39, 494-506.	0.9	39
17	Seasonal carbohydrate dynamics and growth in Douglas-fir trees experiencing chronic, fungal-mediated reduction in functional leaf area. <i>Tree Physiology</i> , 2014, 34, 218-228.	1.4	39
18	Branch growth and crown form in old coastal Douglas-fir. <i>Forest Ecology and Management</i> , 2000, 131, 81-91.	1.4	38

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19	Interactions of predominant insects and diseases with climate change in Douglas-fir forests of western Oregon and Washington, U.S.A.. <i>Forest Ecology and Management</i> , 2018, 409, 317-332.	1.4	38
20	Impacts of Swiss needle cast on overstory Douglas-fir forests of the western Oregon Coast Range. <i>Forest Ecology and Management</i> , 2010, 259, 1673-1680.	1.4	35
21	Height growth and vertical development of an old-growth <i>Pseudotsuga</i> - <i>Tsuga</i> forest in southwestern Washington State, U.S.A.. <i>Canadian Journal of Forest Research</i> , 2000, 30, 17-24.	0.8	29
22	Swiss Needle Cast in Western Oregon Douglas-Fir Plantations: 20-Year Monitoring Results. <i>Forests</i> , 2016, 7, 155.	0.9	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. <i>Global Change Biology</i> , 2020, 26, 1714-1724.	4.2	24
24	Tree-ring analysis of the fungal disease Swiss needle cast in western Oregon coastal forests. <i>Canadian Journal of Forest Research</i> , 2013, 43, 677-690.	0.8	22
25	Basal area growth impacts of dwarf mistletoe on western hemlock in an old-growth forest. <i>Canadian Journal of Forest Research</i> , 2008, 38, 576-583.	0.8	19
26	Tree-ring stable isotopes record the impact of a foliar fungal pathogen on $\delta^{13}C$ assimilation and growth in Douglas-fir. <i>Plant, Cell and Environment</i> , 2014, 37, 1536-1547.	2.8	19
27	Climate of seed source affects susceptibility of coastal Douglas-fir to foliage diseases. <i>Ecosphere</i> , 2017, 8, e02011.	1.0	19
28	Increased streamflow in catchments affected by a forest disease epidemic. <i>Science of the Total Environment</i> , 2019, 691, 112-123.	3.9	17
29	Incidence of wetwood and decay in precommercially thinned western hemlock stands. <i>Canadian Journal of Forest Research</i> , 1995, 25, 1269-1277.	0.8	15
30	Effects of Dwarf Mistletoe on Stand Structure of Lodgepole Pine Forests 21-28 Years Post-Mountain Pine Beetle Epidemic in Central Oregon. <i>PLoS ONE</i> , 2014, 9, e107532.	1.1	15
31	Evaluating the Accuracy of Ground-Based Hemlock Dwarf Mistletoe Rating: A Case Study Using the Wind River Canopy Crane. <i>Western Journal of Applied Forestry</i> , 2000, 15, 8-14.	0.5	13
32	Impacts of dwarf mistletoe on the physiology of host <i>Tsuga heterophylla</i> trees as recorded in tree-ring C and O stable isotopes. <i>Tree Physiology</i> , 2014, 34, 595-607.	1.4	13
33	Fire and dwarf mistletoe (Viscaceae: <i>Arceuthobium</i> species) in western North America: contrasting <i>Arceuthobium tsugense</i> and <i>Arceuthobium americanum</i> . <i>Botany</i> , 2017, 95, 231-246.	0.5	12
34	STAND-LEVEL HERBIVORY IN AN OLD-GROWTH CONIFER FOREST CANOPY. <i>Western North American Naturalist</i> , 2006, 66, 473-481.	0.2	11
35	Vertical Foliage Retention in Douglas-Fir Across Environmental Gradients of the Western Oregon Coast Range Influenced by Swiss Needle Cast. <i>Northwest Science</i> , 2014, 88, 23-32.	0.1	11
36	An ecological perspective on living with fire in ponderosa pine forests of Oregon and Washington: Resistance, gone but not forgotten. <i>Trees, Forests and People</i> , 2021, 4, 100074.	0.8	10

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37	A forest health inventory assessment of red fir (<i>Abies magnifica</i>) in upper montane California. <i>Ecoscience</i> , 2015, 22, 47-58.	0.6	9
38	Climate Risk Modelling of Balsam Woolly Adelgid Damage Severity in Subalpine Fir Stands of Western North America. <i>PLoS ONE</i> , 2016, 11, e0165094.	1.1	9
39	Severity of Swiss needle cast in young and mature Douglas-fir forests in western Oregon, USA. <i>Forest Ecology and Management</i> , 2019, 442, 79-95.	1.4	9
40	Fertilization impacts on Swiss needle cast disease severity in western Oregon. <i>Forest Ecology and Management</i> , 2013, 287, 147-158.	1.4	8
41	Persistence of the Swiss Needle Cast Outbreak in Oregon Coastal Douglas-Fir and New Insights from Research and Monitoring. <i>Journal of Forestry</i> , 2021, 119, 407-421.	0.5	8
42	Introduced and Native Parasitoid Wasps Associated With Larch Casebearer (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.7	8
43	The Discriminatory Ability of Postfire Tree Mortality Logistic Regression Models. <i>Forest Science</i> , 2015, 61, 344-352.	0.5	6
44	Oak mistletoe (<i>Phoradendron villosum</i>) is linked to microhabitat availability and avian diversity in Oregon white oak (<i>Quercus garryana</i>) woodlands. <i>Botany</i> , 2017, 95, 283-294.	0.5	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. <i>Fire Ecology</i> , 2019, 15, .	1.1	6
46	WIND RIVER CANOPY CRANE RESEARCH FACILITY AND WIND RIVER EXPERIMENTAL FOREST. <i>Bulletin of the Ecological Society of America</i> , 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. <i>Canadian Journal of Forest Research</i> , 2021, 51, 573-582.	0.8	5
48	A Severity Rating System for Evaluating Stand-Level Balsam Woolly Adelgid (Hemiptera: Adelgidae) Damage in Two <i>Abies</i> Species in Western North America. <i>Forest Science</i> , 2016, 62, 181-189.	0.5	4
49	Expansion of the invasive European mistletoe in California, USA. <i>Botany</i> , 2020, 98, 517-524.	0.5	4
50	Surface fuels in recent <i>Phytophthora ramorum</i> created gaps and adjacent intact <i>Quercus agrifolia</i> forests, East Bay Regional Parks, California, USA. <i>Forest Ecology and Management</i> , 2017, 384, 331-338.	1.4	3
51	Veiled Polypore (<i>Cryptoporus volvatus</i>) as a Foraging Substrate for the White-Headed Woodpecker (<i>Picoides albolarvatus</i>). <i>Northwestern Naturalist</i> , 2018, 99, 58-62.	0.5	3
52	Transformation of western hemlock (<i>Tsuga heterophylla</i>) tree crowns by dwarf mistletoe (<i>Arceuthobium tsugense</i> , Viscaceae). <i>Forest Pathology</i> , 2021, 51, .	0.5	3
53	Tree species diversity increases with conspecific negative density dependence across an elevation gradient. <i>Ecology Letters</i> , 2022, 25, 1237-1249.	3.0	3
54	Associations between Swiss Needle Cast Severity and Foliar Nutrients in Young-Growth Douglas-Fir in Coastal Western Oregon and Southwest Washington, USA. <i>Forest Science</i> , 2019, 65, 537-542.	0.5	2

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55	Distribution of a Foliage Disease Fungus Within Canopies of Mature Douglas-Fir in Western Oregon. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	1.0	1
56	Introduction to "Mistletoes: Pathogens, Keystone Resource, and Medicinal Wonder". <i>Botany</i> , 2017, 95, v-vi.	0.5	0
57	Complex interactions of mistletoe, ecosystems, and people. <i>Botany</i> , 2020, 98, v-vi.	0.5	0