

Thomas M Hinckley

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,156
citations

159585

30
h-index

155660

55
g-index

60
all docs

60
docs citations

60
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pressure Chamber as an Instrument for Ecological Research. <i>Advances in Ecological Research</i> , 1975, 9, 165-254.	2.7	492
2	The Theory and Practice of Branch Autonomy. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1991, 22, 309-334.	6.7	412
3	The relationship between tree height and leaf area: sapwood area ratio. <i>Oecologia</i> , 2002, 132, 12-20.	2.0	283
4	Tree water storage and its diurnal dynamics related to sap flow and changes in stem volume in old-growth Douglas-fir trees. <i>Tree Physiology</i> , 2007, 27, 181-198.	3.1	250
5	A Comparison of Pressure-Volume Curve Data Analysis Techniques. <i>Journal of Experimental Botany</i> , 1985, 36, 1590-1602.	4.8	248
6	Spectral and Structural Measures of Northwest Forest Vegetation at Leaf to Landscape Scales. <i>Ecosystems</i> , 2004, 7, 545.	3.4	218
7	Influence of temperature and water potential on root growth of white oak. <i>Physiologia Plantarum</i> , 1981, 52, 363-369.	5.2	179
8	Boundary layer conductance, leaf temperature and transpiration of <i>Abies amabilis</i> branches. <i>Tree Physiology</i> , 1999, 19, 435-443.	3.1	127
9	The effects of drought on water relations and stem shrinkage of <i>Quercus alba</i> . <i>Canadian Journal of Botany</i> , 1975, 53, 62-72.	1.1	118
10	The effects of light acclimation during and after foliage expansion on photosynthesis of <i>Abies amabilis</i> foliage within the canopy. <i>Oecologia</i> , 1996, 107, 21-32.	2.0	105
11	Production physiology and morphology of <i>Populus</i> species and their hybrids grown under short rotation. II. Biomass components and harvest index of hybrid and parental species clones. <i>Canadian Journal of Forest Research</i> , 1997, 27, 285-294.	1.7	103
12	Production physiology and morphology of <i>Populus</i> species and their hybrids grown under short rotation. I. Clonal comparisons of 4-year growth and phenology. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1937-1948.	1.7	95
13	Components and Controls of Water Flux in an Old-growth Douglas-fir/Western Hemlock Ecosystem. <i>Ecosystems</i> , 2004, 7, 468.	3.4	91
14	Reforestation programs in Southwest China: Reported success, observed failure, and the reasons why. <i>Journal of Mountain Science</i> , 2007, 4, 275-292.	2.0	91
15	Seasonal Changes in Tissue Water Relations of Three Woody Species of the <i>Quercus-Carya</i> Forest Type. <i>Ecology</i> , 1982, 63, 1259-1267.	3.2	86
16	Nitrogen stress alters root proliferation in Douglas-fir seedlings. <i>Canadian Journal of Forest Research</i> , 1990, 20, 1524-1529.	1.7	81
17	Adjustments of foliar morphology in the acclimation of understory Pacific silver fir following clearcutting. <i>Forest Ecology and Management</i> , 1987, 21, 249-268.	3.2	79
18	Actual and potential transpiration and carbon assimilation in an irrigated poplar plantation. <i>Tree Physiology</i> , 2008, 28, 559-577.	3.1	76

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19	Effect of Interruption of Flow Path on Stomatal Conductance of <i>Abies amabilis</i> . <i>Journal of Experimental Botany</i> , 1983, 34, 1251-1259.	4.8	62
20	Temperature-Induced Change in the Water Relations of <i>Abies amabilis</i> (Dougl.) Forbes. <i>Plant Physiology</i> , 1984, 74, 77-80.	4.8	61
21	Environmental Reviews and Case Studies: Is the Returning Farmland to Forest Program a Success? Three Case Studies from Sichuan. <i>Environmental Practice</i> , 2013, 15, 350-366.	0.3	61
22	Water relations of white spruce (<i>Picea glauca</i> (Moench) Voss) at tree line in north central Alaska. <i>Canadian Journal of Forest Research</i> , 1985, 15, 1080-1087.	1.7	59
23	Net Photosynthesis and Early Growth Trends of a Dominant White Oak (<i>Quercus alba</i> L.). <i>Plant Physiology</i> , 1979, 64, 930-935.	4.8	58
24	Ecophysiological Investigations of Understory Eastern Redcedar in Central Missouri. <i>Ecology</i> , 1983, 64, 1355-1366.	3.2	58
25	Root cold hardiness and native distribution of subalpine conifers. <i>Canadian Journal of Forest Research</i> , 1992, 22, 932-938.	1.7	45
26	Variation in specific needle area of old-growth Douglas-fir in relation to needle age, within-crown position and epicormic shoot production. <i>Tree Physiology</i> , 2002, 22, 31-40.	3.1	41
27	Classifying individual tree genera using stepwise cluster analysis based on height and intensity metrics derived from airborne laser scanner data. <i>Remote Sensing of Environment</i> , 2011, 115, 3329-3342.	11.0	41
28	Water Relations: Soil Fertility, and Plant Nutrient Composition of a Pygmy Oak Ecosystem. <i>Ecology</i> , 1980, 61, 400-416.	3.2	38
29	Canopy Carbon Gain and Water Use: Analysis of Old-growth Conifers in the Pacific Northwest. <i>Ecosystems</i> , 2004, 7, 482.	3.4	37
30	Models of water flux through forest stands: critical leaf and stand parameters. <i>Tree Physiology</i> , 1991, 9, 35-57.	3.1	35
31	Does foliage on the same branch compete for the same water? Experiments on Douglas-fir trees. <i>Trees - Structure and Function</i> , 2003, 17, 101-108.	1.9	32
32	Coniferous forests of the Pacific Northwest. , 1985, , 127-161.		31
33	Evidence for Error in Pressure-Bomb Estimates of Stem Xylem Potentials. <i>Ecology</i> , 1971, 52, 534-536.	3.2	29
34	A Theoretical Model for Calculation of Xylem Sap Pressure from Climatological Data. <i>American Midland Naturalist</i> , 1973, 90, 56.	0.4	29
35	The influence of a severe drought on net photosynthesis of white oak (<i>Quercus alba</i>). <i>Canadian Journal of Botany</i> , 1981, 59, 335-341.	1.1	29
36	Impact of tephra deposition on growth in conifers: the year of the eruption. <i>Canadian Journal of Forest Research</i> , 1984, 14, 731-739.	1.7	26

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37	Relation between root system size and water inflow capacity of <i>Abies amabilis</i> growing in a subalpine forest. <i>Canadian Journal of Forest Research</i> , 1985, 15, 669-672.	1.7	25
38	Traditional Livelihoods, Conservation and Meadow Ecology in Jiuzhaigou National Park, Sichuan, China. <i>Human Ecology</i> , 2014, 42, 481-491.	1.4	23
39	The Effects of Dehydration-Rehydration Cycles on Protein Synthesis of Black Locust Seedlings. <i>Physiologia Plantarum</i> , 1977, 40, 1-5.	5.2	22
40	Seasonal trends of several water relation parameters in <i>Cryptomeria japonica</i> seedlings. <i>Canadian Journal of Forest Research</i> , 1986, 16, 74-77.	1.7	22
41	Variations in radial growth of declining old-growth stands of <i>Abies amabilis</i> after tephra deposition from Mount St. Helens. <i>Canadian Journal of Forest Research</i> , 1995, 25, 1484-1492.	1.7	21
42	Social-ecological Resilience of a Nuosu Community-linked Watershed, Southwest Sichuan, China. <i>Ecology and Society</i> , 2010, 15, .	2.3	19
43	Effect of Vertical and Temporal Variations in Stand Microclimate and Soil Moisture on Water Status of Several Species in an Oak-Hickory Forest. <i>American Midland Naturalist</i> , 1977, 97, 373.	0.4	18
44	Estimates of Water Loss and Its Relation to Environmental Parameters in Douglas-Fir Saplings. <i>Ecology</i> , 1971, 52, 520-524.	3.2	15
45	Estimate of Water Flow in Douglas-Fir Seedlings. <i>Ecology</i> , 1971, 52, 525-528.	3.2	11
46	Defining how aging <i>Pseudotsuga</i> and <i>Abies</i> compensate for multiple stresses through multi-criteria assessment of a functional-structural model. <i>Tree Physiology</i> , 2010, 30, 3-22.	3.1	11
47	Changes in Polysomes of Black Locust Seedlings during Dehydration-Rehydration Cycles. <i>Physiologia Plantarum</i> , 1973, 29, 406-409.	5.2	10
48	The fluted western hemlock of Alaska. II. Stand observations and synthesis. <i>Forest Ecology and Management</i> , 1993, 60, 133-141.	3.2	9
49	Stem growth responses of declining mature <i>Abies amabilis</i> trees after tephra deposition from Mount St. Helens. <i>Canadian Journal of Forest Research</i> , 1995, 25, 1493-1502.	1.7	8
50	Xylem pressure potential and chlorophyll fluorescence as indicators of freezing survival in black locust and Western hemlock seedlings. <i>Cryobiology</i> , 1977, 14, 94-99.	0.7	7
51	A Lifespan Perspective on Integrating Structure and Function in Trees. <i>Tree Physiology</i> , 2011, , 3-30.	2.5	7
52	The fluted western hemlock of Alaska. I. Morphological studies and experiments. <i>Forest Ecology and Management</i> , 1993, 60, 119-132.	3.2	6
53	Influence of human pressure on forest resources and productivity at stand and tree scales: The case study of Yunnan pine in SW China. <i>Journal of Mountain Science</i> , 2013, 10, 824-832.	2.0	5
54	Stems in the Biology of the Tissue, Organism, Stand, and Ecosystem. , 1995, , 409-428.		5

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55	Phenotypic Plasticity of Syllaptic Branching: Genetic Design of Tree Architecture. <i>Critical Reviews in Plant Sciences</i> , 2001, 20, 467-486.	5.7	4
56	The fluted western hemlock of southeast Alaska III. Six growing seasons after treatment. <i>Forest Ecology and Management</i> , 1998, 103, 277-285.	3.2	1
57	Terrorists are activists who renounce non-violence. <i>Nature</i> , 2007, 448, 22-22.	27.8	1
58	Sabbatical in the Woods Water Relations of Plants Paul J. Kramer Xylem Structure and the Ascent of Sap Martin H. Zimmermann. <i>BioScience</i> , 1984, 34, 720-721.	4.9	0
59	For Advanced Readers Advanced Plant Physiology Malcolm B. Wilkens Physiological Ecology of Plants of the Wet Tropics, Volume 12: Tasks for Vegetation Science E. Medina H. A. Mooney C. Vázquez-Yanes. <i>BioScience</i> , 1984, 34, 722-722.	4.9	0
60	Jan Årmer's lifetime contribution to tree water relations. <i>Tree Physiology</i> , 2022, 42, 1517-1526.	3.1	0