

John P Caspersen

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,120
citations

318942

23
h-index

182931

54
g-index

62
all docs

62
docs citations

62
times ranked

6127
citing authors

#	ARTICLE	IF	CITATIONS
1	The changing culture of silviculture. <i>Forestry</i> , 2022, 95, 143-152.	1.2	54
2	ProgrÃs dans lâ€™application de la tÃ©lÃ©dÃ©tection pour les besoins en matiÃ©re dâ€™information sur les forÃªts au Canada : leÃ§ons tirÃ©es dâ€™une collaboration nationale dâ€™intervenants universitaires, industriels et gouvernementaux. <i>Forestry Chronicle</i> , 2021, 97, 127-147.	0.5	0
3	Advancing the application of remote sensing for forest information needs in Canada: Lessons learned from a national collaboration of university, industrial and government stakeholders. <i>Forestry Chronicle</i> , 2021, 97, 109-126.	0.5	2
4	Assessing Coarse Woody Debris Nutrient Dynamics in Managed Northern Hardwood Forests Using a Matrix Transition Model. <i>Ecosystems</i> , 2020, 23, 541-554.	1.6	9
5	A critique of general allometry-inspired models for estimating forest carbon density from airborne LiDAR. <i>PLoS ONE</i> , 2019, 14, e0215238.	1.1	4
6	An Operational Workflow of Deciduous-Dominated Forest Species Classification: Crown Delineation, Gap Elimination, and Object-Based Classification. <i>Remote Sensing</i> , 2019, 11, 2078.	1.8	9
7	Forest Site and Type Variability in ALS-Based Forest Resource Inventory Attribute Predictions over Three Ontario Forest Sites. <i>Forests</i> , 2019, 10, 226.	0.9	12
8	A mathematical framework to describe the effect of beam incidence angle on metrics derived from airborne LiDAR: The case of forest canopies approaching turbid medium behaviour. <i>Remote Sensing of Environment</i> , 2018, 209, 824-834.	4.6	20
9	Complementarity of gymnosperms and angiosperms along an altitudinal temperature gradient. <i>Oikos</i> , 2018, 127, 1787-1799.	1.2	6
10	Estimating Stem Diameter Distributions in a Management Context for a Tolerant Hardwood Forest Using ALS Height and Intensity Data. <i>Canadian Journal of Remote Sensing</i> , 2017, 43, 79-94.	1.1	22
11	Does intensified boreal forest harvesting impact soil microbial community structure and function?. <i>Canadian Journal of Forest Research</i> , 2017, 47, 916-925.	0.8	14
12	Reproductive costs in <i>Acer saccharum</i> : exploring size-dependent relations between seed production and branch extension. <i>Trees - Structure and Function</i> , 2017, 31, 1179-1188.	0.9	8
13	Region merging using local spectral angle thresholds: A more accurate method for hybrid segmentation of remote sensing images. <i>Remote Sensing of Environment</i> , 2017, 190, 137-148.	4.6	58
14	Skid trail use influences soil carbon flux and nutrient pools in a temperate hardwood forest. <i>Forest Ecology and Management</i> , 2017, 402, 51-62.	1.4	14
15	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017, 23, 177-190.	4.2	254
16	Individual tree-based species classification for uneven-aged, mixed-deciduous forests using multi-seasonal WorldView-3 images. , 2017, , .		1
17	An Alternative Approach to Using LiDAR Remote Sensing Data to Predict Stem Diameter Distributions across a Temperate Forest Landscape. <i>Remote Sensing</i> , 2017, 9, 944.	1.8	22
18	Removing bias from LiDAR-based estimates of canopy height: Accounting for the effects of pulse density and footprint size. <i>Remote Sensing of Environment</i> , 2017, 198, 1-16.	4.6	69

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19	Demographic controls of aboveground forest biomass across North America. <i>Ecology Letters</i> , 2016, 19, 414-423.	3.0	13
20	A self-adapted threshold-based region merging method for remote sensing image segmentation. , 2016, , .		6
21	Responses of Eastern Red-backed Salamander (<i>Plethodon cinereus</i>) abundance 1 year after application of wood ash in a northern hardwood forest. <i>Canadian Journal of Forest Research</i> , 2016, 46, 402-409.	0.8	10
22	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016, 529, 204-207.	13.7	655
23	A simple system for classifying sugar maple vigour and quality. <i>Canadian Journal of Forest Research</i> , 2015, 45, 900-909.	0.8	17
24	A simple area-based model for predicting airborne LiDAR first returns from stem diameter distributions: an example study in an uneven-aged, mixed temperate forest. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1338-1350.	0.8	14
25	Object-Based Canopy Gap Segmentation and Classification: Quantifying the Pros and Cons of Integrating Optical and LiDAR Data. <i>Remote Sensing</i> , 2015, 7, 15917-15932.	1.8	24
26	Operational biomass recovery of small trees: equations for six central Ontario tree species. <i>Canadian Journal of Forest Research</i> , 2015, 45, 372-377.	0.8	5
27	Comparing the life cycle impacts of using harvest residue as feedstock for small- and large-scale bioenergy systems (part I). <i>Energy</i> , 2015, 88, 917-926.	4.5	23
28	Fully constrained linear spectral unmixing based global shadow compensation for high resolution satellite imagery of urban areas. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 38, 88-98.	1.4	20
29	A discrepancy measure for segmentation evaluation from the perspective of object recognition. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 186-192.	4.9	51
30	Comparing the life cycle costs of using harvest residue as feedstock for small- and large-scale bioenergy systems (part II). <i>Energy</i> , 2015, 86, 539-547.	4.5	13
31	Seasonal controls on patterns of soil respiration and temperature sensitivity in a northern mixed deciduous forest following partial-harvesting. <i>Forest Ecology and Management</i> , 2015, 348, 208-219.	1.4	23
32	Forest harvest residue recovery in semi-mechanized hardwood selection operations. <i>International Journal of Forest Engineering</i> , 2014, 25, 229-237.	0.4	0
33	A multi-band watershed segmentation method for individual tree crown delineation from high resolution multispectral aerial image. , 2014, , .		8
34	Temporal dynamics and causes of postharvest mortality in a selection-managed tolerant hardwood forest. <i>Forest Ecology and Management</i> , 2014, 314, 183-192.	1.4	16
35	Sources of Variation in the Net Value of Sugar Maple Trees: Implications for Tree Selection and Operations Management. <i>Forest Products Journal</i> , 2014, 64, 250-258.	0.2	9
36	Quantifying the influence of live crown ratio on the mechanical properties of clear wood. <i>Forestry</i> , 2013, 86, 361-369.	1.2	45

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37	In-situ measurement of twig dieback and regrowth in mature <i>Acer saccharum</i> trees. <i>Forest Ecology and Management</i> , 2012, 270, 183-188.	1.4	15
38	Using a Data-Constrained Model of Home Range Establishment to Predict Abundance in Spatially Heterogeneous Habitats. <i>PLoS ONE</i> , 2012, 7, e40599.	1.1	5
39	Interspecific differences in sapling performance with respect to light and aridity gradients in Mediterranean pine-oak forests: implications for species coexistence. <i>Canadian Journal of Forest Research</i> , 2011, 41, 1432-1444.	0.8	51
40	Structural changes and potential vertebrate responses following simulated partial harvesting of boreal mixedwood stands. <i>Forest Ecology and Management</i> , 2011, 261, 1362-1371.	1.4	7
41	How Stand Productivity Results from Size- and Competition-Dependent Growth and Mortality. <i>PLoS ONE</i> , 2011, 6, e28660.	1.1	51
42	Fine-Scale Habitat Associations of Red-Backed Voles in Boreal Mixedwood Stands. <i>Journal of Wildlife Management</i> , 2010, 74, 1492-1501.	0.7	18
43	Contributions of harvest slash to maintaining downed woody debris in selection-managed forests. <i>Canadian Journal of Forest Research</i> , 2010, 40, 1680-1685.	0.8	8
44	Fine-Scale Habitat Associations of Red-Backed Voles in Boreal Mixedwood Stands. <i>Journal of Wildlife Management</i> , 2010, 74, 1492-1501.	0.7	12
45	Unlocking the forest inventory data: relating individual tree performance to unmeasured environmental factors. , 2010, 20, 684-699.		37
46	Carbon cycling under 300 years of land use change: Importance of the secondary vegetation sink. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	338
47	A selection harvesting algorithm for use in spatially explicit individual-based forest simulation models. <i>Ecological Modelling</i> , 2008, 211, 251-266.	1.2	17
48	Contrasting downed woody debris dynamics in managed and unmanaged northern hardwood stands. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2850-2861.	0.8	38
49	Cavity tree occurrence in hardwood forests of central Ontario. <i>Forest Ecology and Management</i> , 2007, 239, 191-199.	1.4	36
50	Light attenuation following selection harvesting in northern hardwood forests. <i>Forest Ecology and Management</i> , 2007, 239, 182-190.	1.4	29
51	Floral free fall in the Swiss lowlands: environmental determinants of local plant extinction in a peri-urban landscape. <i>Journal of Ecology</i> , 2007, 95, 734-744.	1.9	47
52	Elevated mortality of residual trees following single-tree felling in northern hardwood forests. <i>Canadian Journal of Forest Research</i> , 2006, 36, 1255-1265.	0.8	36
53	Snag dynamics in partially harvested and unmanaged northern hardwood forests. <i>Canadian Journal of Forest Research</i> , 2006, 36, 2769-2779.	0.8	50
54	Spatial ecology of mating success in a sexually polymorphic plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 387-394.	1.2	30

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55	Seedling recruitment in a northern temperate forest: the relative importance of supply and establishment limitation. <i>Canadian Journal of Forest Research</i> , 2005, 35, 978-989.	0.8	100
56	Human-induced changes in US biogenic volatile organic compound emissions: evidence from long-term forest inventory data. <i>Global Change Biology</i> , 2004, 10, 1737-1755.	4.2	56
57	Variation in stand mortality related to successional composition. <i>Forest Ecology and Management</i> , 2004, 200, 149-160.	1.4	7
58	Spatial and temporal variation of biomass in a tropical forest: results from a large census plot in Panama. <i>Journal of Ecology</i> , 2003, 91, 240-252.	1.9	357
59	Successional diversity and forest ecosystem function. <i>Ecological Research</i> , 2001, 16, 895-903.	0.7	142
60	Interspecific variation in sapling mortality in relation to growth and soil moisture. <i>Oikos</i> , 2001, 92, 160-168.	1.2	90
61	Opportunities and limitations of thinning to increase resistance and resilience of trees and forests to global change. <i>Forestry</i> , 0, , .	1.2	9
62	Tree Foliage is a Methane Sink in Upland Temperate Forests. <i>Ecosystems</i> , 0, , 1.	1.6	4