Lianjun Zhang

List of Publications by Year
in descending order

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54	1,948	279798 23	254184 43
papers	citations	h-index	g-index

54	54	54	1987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trends in Automatic Individual Tree Crown Detection and Delineationâ€"Evolution of LiDAR Data. Remote Sensing, 2016, 8, 333.	4.0	237
2	A comparison of alternative methods for estimating the self-thinning boundary line. Canadian Journal of Forest Research, 2005, 35, 1507-1514.	1.7	127
3	Spatial residual analysis of six modeling techniques. Ecological Modelling, 2005, 186, 154-177.	2.5	114
4	Comparison of bandwidth selection in application of geographically weighted regression: a case study. Canadian Journal of Forest Research, 2008, 38, 2526-2534.	1.7	113
5	Developing and Validating Nonlinear Heightâ€"Diameter Models for Major Tree Species of Ontario's Boreal Forests. Northern Journal of Applied Forestry, 2001, 18, 87-94.	0.5	99
6	A comparison of estimation methods for fitting Weibull and Johnson's SB distributions to mixed spruceÂ–fir stands in northeastern North America. Canadian Journal of Forest Research, 2003, 33, 1340-1347.	1.7	74
7	A finite mixture of two Weibull distributions for modeling the diameter distributions of rotated-sigmoid, uneven-aged stands. Canadian Journal of Forest Research, 2001, 31, 1654-1659.	1.7	73
8	Impact of training and validation sample selection on classification accuracy and accuracy assessment when using reference polygons in object-based classification. International Journal of Remote Sensing, 2013, 34, 6914-6930.	2.9	71
9	Modeling spatial variation in tree diameterâ€"height relationships. Forest Ecology and Management, 2004, 189, 317-329.	3.2	69
10	Developing additive systems of biomass equations for nine hardwood species in Northeast China. Trees - Structure and Function, 2015, 29, 1149-1163.	1.9	69
11	Modeling Anthropogenic Fire Occurrence in the Boreal Forest of China Using Logistic Regression and Random Forests. Forests, 2016, 7, 250.	2.1	51
12	Agent-based region growing for individual tree crown delineation from airborne laser scanning (ALS) data. International Journal of Remote Sensing, 2015, 36, 1965-1993.	2.9	50
13	Comparison of spatial and non-spatial logistic regression models for modeling the occurrence of cloud cover in north-eastern Puerto Rico. Applied Geography, 2013, 37, 52-62.	3.7	47
14	Impact of Tree-Oriented Growth Order in Marker-Controlled Region Growing for Individual Tree Crown Delineation Using Airborne Laser Scanner (ALS) Data. Remote Sensing, 2014, 6, 555-579.	4.0	44
15	Fitting irregular diameter distributions of forest stands by Weibull, modified Weibull, and mixture Weibull models. Journal of Forest Research, 2006, 11, 369-372.	1.4	43
16	Evaluation of three methods for predicting diameter distributions of black spruce (Picea mariana) plantations in central Canada. Canadian Journal of Forest Research, 2004, 34, 2424-2432.	1.7	42
17	A Three-Step Proportional Weighting System of Nonlinear Biomass Equations. Forest Science, 2015, 61, 35-45.	1.0	42
18	Maximum sizeâ€"density relationships for mixed softwoods in the northeastern USA. Forest Ecology and Management, 2002, 155, 163-170.	3.2	40

#	Article	IF	Citations
19	Developing Two Additive Biomass Equations for Three Coniferous Plantation Species in Northeast China. Forests, 2016, 7, 136.	2.1	40
20	Development and evaluation of ecoregion-based jack pine height-diameter models for Ontario. Forestry Chronicle, 2002, 78, 530-538.	0.6	37
21	An Analysis of Ideological Effects in Published Versus Unpublished Judicial Opinions. Journal of Empirical Legal Studies, 2009, 6, 213-239.	0.8	34
22	Additive Biomass Equations Based on Different Dendrometric Variables for Two Dominant Species (Larix gmelini Rupr. and Betula platyphylla Suk.) in Natural Forests in the Eastern Daxingâ€™an Mountains, Northeast China. Forests, 2018, 9, 261.	2.1	34
23	Height-Diameter Equations for Ten Tree Species in the Inland Northwest. Western Journal of Applied Forestry, 1996, 11, 132-137.	0.5	33
24	Global and Geographically and Temporally Weighted Regression Models for Modeling PM2.5 in Heilongjiang, China from 2015 to 2018. International Journal of Environmental Research and Public Health, 2019, 16, 5107.	2.6	32
25	Using error-in-variable regression to predict tree diameter and crown width from remotely sensed imagery. Canadian Journal of Forest Research, 2010, 40, 1095-1108.	1.7	23
26	A new spatial-attribute weighting function for geographically weighted regression. Canadian Journal of Forest Research, 2006, 36, 996-1005.	1.7	22
27	Geographically local modeling of occurrence, count, and volume of downwood inÂNortheast China. Applied Geography, 2013, 37, 114-126.	3.7	22
28	Mortality Patterns Following Spruce Budworm Infestation in Unprotected Spruce-Fir Forests in Maine. Northern Journal of Applied Forestry, 2003, 20, 148-153.	0.5	21
29	Modeling diameter distributions of mixed-species forest stands. Scandinavian Journal of Forest Research, 2014, 29, 653-663.	1.4	21
30	Motivations for Male and Female Birdwatchersin New York State. Human Dimensions of Wildlife, 2008, 13, 187-200.	1.8	20
31	Use of localized descriptive statistics for exploring the spatial pattern changes of bird species richness at multiple scales. Applied Geography, 2012, 32, 185-194.	3.7	20
32	Spatial Poisson Models for Examining the Influence of Climate and Land Cover Pattern on Bird Species Richness. Forest Science, 2012, 58, 61-74.	1.0	16
33	Growth of Saplings after Selection Cutting in Northern Hardwoods. Northern Journal of Applied Forestry, 2000, 17, 149-152.	0.5	13
34	A mixture model-based approach to the classification of ecological habitats using Forest Inventory and Analysis data. Canadian Journal of Forest Research, 2004, 34, 1150-1156.	1.7	12
35	Geographically Local Linear Mixed Models for Tree Height-Diameter Relationship. Forest Science, 2012, 58, 75-84.	1.0	12
36	Indicators for separating undesirable and well-delineated tree crowns in high spatial resolution images. International Journal of Remote Sensing, 2012, 33, 5451-5472.	2.9	12

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37	Spatial modeling of the carbon stock of forest trees in Heilongjiang Province, China. Journal of Forestry Research, 2014, 25, 269-280.	3.6	12
38	Allometry and partitioning of individual tree biomass and carbon ofAbies nephrolepisMaxim in northeast China. Scandinavian Journal of Forest Research, 2016, 31, 399-411.	1.4	12
39	Aggregated Biomass Model Systems and Carbon Concentration Variations for Tree Carbon Quantification of Natural Mongolian Oak in Northeast China. Forests, 2020, 11, 397.	2.1	12
40	Modeling and Prediction of Tree Heightâ€“Diameter Relationships Using Spatial Autoregressive Models. Forest Science, 2011, 57, 252-264.	1.0	10
41	Modeling Bird Species Richness at Multiple Spatial Scales Using Two-Dimensional Wavelet Analysis. Forest Science, 2015, 61, 1-16.	1.0	9
42	Spatial Hurdle Models for Predicting the Number of Children with Lead Poisoning. International Journal of Environmental Research and Public Health, 2018, 15, 1792.	2.6	9
43	A new sub-sampling method for analysis of air samples collected with the Andersen single-stage sampler. Aerobiologia, 2006, 22, 177-184.	1.7	8
44	Variation in Carbon Concentration and Allometric Equations for Estimating Tree Carbon Contents of 10 Broadleaf Species in Natural Forests in Northeast China. Forests, 2019, 10, 928.	2.1	8
45	Evaluation of Four Methods for Predicting Carbon Stocks of Korean Pine Plantations in Heilongjiang Province, China. PLoS ONE, 2015, 10, e0145017.	2.5	7
46	A Bayesian Approach to Estimating Seemingly Unrelated Regression for Tree Biomass Model Systems. Forests, 2020, 11, 1302.	2.1	6
47	Exploring spatially varying relationships between forest fire and environmental factors at different quantile levels. International Journal of Wildland Fire, 2020, 29, 486.	2.4	5
48	An analysis and comparison of estimation methods for self-referencing equations. Canadian Journal of Forest Research, 2007, 37, 1472-1484.	1.7	4
49	Exploring spatially varying relationships between children's lead poisoning and environmental factors. Annals of the New York Academy of Sciences, 2017, 1404, 49-60.	3.8	4
50	Interrupted time series analysis of childrenâ€™s blood lead levels: A case study of lead hazard control program in Syracuse, New York. PLoS ONE, 2017, 12, e0171778.	2.5	4
51	Global and Geographically Weighted Quantile Regression for Modeling the Incident Rate of Childrenâ€™s Lead Poisoning in Syracuse, NY, USA. International Journal of Environmental Research and Public Health, 2018, 15, 2300.	2.6	4
52	Differences in Species Composition and Stand Characteristics of Mixed Upland Hardwood Forests of North Alabama as Reflected by the Presence of Eastern Redcedar (Juniperus virginiana L.). Journal of Sustainable Forestry, 1996, 3, 75-100.	1.4	2
53	Comparing four regression techniques to explore factors governing the number of forest fires in Southeast, China. Geomatics, Natural Hazards and Risk, 2021, 12, 499-521.	4.3	2
54	Reserve Strip Method as an Alternative for Regenerating Eastern Hemlock. Northern Journal of Applied Forestry, 2001, 18, 69-73.	0.5	1