

Dehai Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

689
citations

567281

15
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of intensive fertilization, complete competition control and site quality on aboveground net primary production (ANPP) dynamics of loblolly pine plantations. <i>Forest Ecology and Management</i> , 2022, 506, 119986.	3.2	4
2	An Inverse Growth Curve Representation of the Clutter-Jones Stand Survival Model. <i>Forest Science</i> , 2022, 68, 239-245.	1.0	1
3	Stochastic Dynamic Optimization for Forest Rotation with Uncertain Stumpage Prices. <i>Forest Science</i> , 2022, 68, 389-398.	1.0	2
4	Influence of drip irrigation, nitrogen fertigation, and precipitation on soil water and nitrogen distribution, tree seasonal growth and nitrogen uptake in young triploid poplar (<i>Populus tomentosa</i>) plantations. <i>Agricultural Water Management</i> , 2021, 243, 106460.	5.6	15
5	An Empirical Examination of Dominant Height Projection Accuracy Using Difference Equation Models. <i>Forest Science</i> , 2020, 66, 267-274.	1.0	5
6	Rethinking maximum stand basal area and maximum SDI from the aspect of stand dynamics. <i>Forest Ecology and Management</i> , 2020, 475, 118462.	3.2	9
7	Long-term dynamics of loblolly pine crown structure and aboveground net primary production as affected by site quality, planting density and cultural intensity. <i>Forest Ecology and Management</i> , 2020, 472, 118259.	3.2	13
8	Effects of drip irrigation and nitrogen fertigation on stand growth and biomass allocation in young triploid <i>Populus tomentosa</i> plantations. <i>Forest Ecology and Management</i> , 2020, 461, 117937.	3.2	15
9	Loblolly pine outperforms slash pine in the southeastern United States – A long-term experimental comparison study. <i>Forest Ecology and Management</i> , 2019, 450, 117532.	3.2	17
10	Compatible Taper and Stem Volume Equations for Five Pine Species in Mixed-Species Forests in Mexico. <i>Forest Science</i> , 2019, 65, 602-613.	1.0	7
11	Additive biomass equations for slash pine trees: comparing three modeling approaches. <i>Canadian Journal of Forest Research</i> , 2019, 49, 27-40.	1.7	33
12	Compatibility, Development, and Estimation of Taper and Volume Equation Systems. <i>Forest Science</i> , 2019, 65, 1-13.	1.0	18
13	Relationships among growth, $\delta^{13}C$, foliar nitrogen concentration, foliar nitrogen content and intercepted radiation at different cultural intensities, planting densities and site indices reveal the importance of water use efficiency in mid-rotation loblolly pine stands. <i>Forest Ecology and Management</i> , 2018, 422, 233-240.	3.2	5
14	Additive tree biomass equations for <i>Betula platyphylla</i> Suk. plantations in Northeast China. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	24
15	Local and General Above-Ground Biomass Functions for <i>Pinus palustris</i> Trees. <i>Forests</i> , 2018, 9, 310.	2.1	14
16	Considering neighborhood effects improves individual dbh growth models for natural mixed-species forests in Mexico. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	11
17	Deriving compatible taper functions from volume ratio equations based on upper-stem height. <i>Canadian Journal of Forest Research</i> , 2017, 47, 1424-1431.	1.7	10
18	Correlation-Regression Analysis for Understanding Dominant Height Projection Accuracy. <i>Forest Science</i> , 2017, 63, 549-558.	1.0	3

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19	New Variable-Top Merchantable Volume and Weight Equations Derived Directly from Cumulative Relative Profiles for Loblolly Pine. <i>Forest Science</i> , 2017, 63, 261-269.	1.0	14
20	New Variable-Top Merchantable Volume and Weight Equations Derived Directly from Cumulative Relative Profiles for Loblolly Pine. <i>Forest Science</i> , 2017, , .	1.0	3
21	Correlation-Regression Analysis for Understanding Dominant Height Projection Accuracy. <i>Forest Science</i> , 2017, , .	1.0	1
22	Modeling Aboveground Biomass Components and Volume-to-Weight Conversion Ratios for Loblolly Pine Trees. <i>Forest Science</i> , 2016, 62, 463-473.	1.0	24
23	Combined surface drip irrigation and fertigation significantly increase biomass and carbon storage in a <i>Populus</i> <i>Á</i> <i>euramericana</i> cv. Guariento plantation. <i>Journal of Forest Research</i> , 2016, 21, 280-290.	1.4	10
24	Maximum response of loblolly pine plantations to silvicultural management in the southern United States. <i>Forest Ecology and Management</i> , 2016, 375, 105-111.	3.2	63
25	Additive Tree Biomass Equations for Midrotation Loblolly Pine Plantations. <i>Forest Science</i> , 2015, 61, 613-623.	1.0	66
26	Impact of management on nutrients, carbon, and energy in aboveground biomass components of mid-rotation loblolly pine (<i>Pinus taeda</i> L.) plantations. <i>Annals of Forest Science</i> , 2014, 71, 843-851.	2.0	21
27	Effects of planting density and cultural intensity on stand and crown attributes of mid-rotation loblolly pine plantations. <i>Forest Ecology and Management</i> , 2013, 310, 468-475.	3.2	40
28	Fixed physiological parameters in the 3-PG model produced accurate estimates of loblolly pine growth on sites in different geographic regions. <i>Forest Ecology and Management</i> , 2013, 289, 501-514.	3.2	33
29	Effects of cultural intensity and planting density on stand-level aboveground biomass production and allocation for 12-year-old loblolly pine plantations in the Upper Coastal Plain and Piedmont of the southeastern United States. <i>Canadian Journal of Forest Research</i> , 2012, 42, 111-122.	1.7	28
30	Cultural intensity and planting density effects on aboveground biomass of 12-year-old loblolly pine trees in the Upper Coastal Plain and Piedmont of the southeastern United States. <i>Forest Ecology and Management</i> , 2012, 267, 157-162.	3.2	22
31	Does insect folivory vary with latitude among temperate deciduous forests?. <i>Ecological Research</i> , 2011, 26, 377-383.	1.5	17
32	Growth responses to planting density and management intensity in loblolly pine plantations in the southeastern USA Lower Coastal Plain. <i>Annals of Forest Science</i> , 2011, 68, 625-635.	2.0	42
33	Development and applications of the relative spacing model for loblolly pine plantations. <i>Forest Ecology and Management</i> , 2010, 259, 1922-1929.	3.2	19
34	La prÃ©paration du terrain et le contrÃ´le de la vÃ©gÃ©tation adventice affectent la productivitÃ© Ã long terme de <i>Pinus taeda</i> dans les stations des PiÃ©monts du sud et des plaines cÃ´tiÃ©res des Ãtats-Unis d'AmÃ©rique. <i>Annals of Forest Science</i> , 2009, 66, 705-705.	2.0	15
35	Pine growth response to different site-preparation methods with or without post-plant herbaceous weed control on North Florida's Lower Coastal Plain. <i>Forest Ecology and Management</i> , 2008, 255, 2512-2523.	3.2	22
36	Modeling mortality of second-rotation loblolly pine plantations in the Piedmont/Upper Coastal Plain and Lower Coastal Plain of the southern United States. <i>Forest Ecology and Management</i> , 2007, 252, 132-143.	3.2	42

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37	Additional Biomass Estimation Alternatives: Nonlinear Two- and Three-Stage Least Squares and Full Information Maximum Likelihood for Slash Pine. Canadian Journal of Forest Research, 0, , .	1.7	1