Dehai Zhao

List of Publications by Year
in descending order

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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	Additive Tree Biomass Equations for Midrotation Loblolly Pine Plantations. Forest Science, 2015, 61, 613-623.	1.0	66
2	Maximum response of loblolly pine plantations to silvicultural management in the southern United States. Forest Ecology and Management, 2016, 375, 105-111.	3.2	63
3	Modeling mortality of second-rotation loblolly pine plantations in the Piedmont/Upper Coastal Plain and Lower Coastal Plain of the southern United States. Forest Ecology and Management, 2007, 252, 132-143.	3.2	42
4	Growth responses to planting density and management intensity in loblolly pine plantations in the southeastern USA Lower Coastal Plain. Annals of Forest Science, 2011, 68, 625-635.	2.0	42
5	Effects of planting density and cultural intensity on stand and crown attributes of mid-rotation loblolly pine plantations. Forest Ecology and Management, 2013, 310, 468-475.	3.2	40
6	Fixed physiological parameters in the 3-PG model produced accurate estimates of loblolly pine growth on sites in different geographic regions. Forest Ecology and Management, 2013, 289, 501-514.	3.2	33
7	Additive biomass equations for slash pine trees: comparing three modeling approaches. Canadian Journal of Forest Research, 2019, 49, 27-40.	1.7	33
8	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. Canadian Journal of Forest Research, 2012, 42, 111-122.	1.7	28
9	Modeling Aboveground Biomass Components and Volume-to-Weight Conversion Ratios for Loblolly Pine Trees. Forest Science, 2016, 62, 463-473.	1.0	24
10	Additive tree biomass equations for Betula platyphylla Suk. plantations in Northeast China. Annals of Forest Science, 2018, 75, 1.	2.0	24
11	Pine growth response to different site-preparation methods with or without post-plant herbaceous weed control on North Florida's Lower Coastal Plain. Forest Ecology and Management, 2008, 255, 2512-2523.	3.2	22
12	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. Forest Ecology and Management, 2012, 267, 157-162.	3.2	22
13	Impact of management on nutrients, carbon, and energy in aboveground biomass components of mid-rotation loblolly pine (Pinus taeda L.) plantations. Annals of Forest Science, 2014, 71, 843-851.	2.0	21
14	Development and applications of the relative spacing model for loblolly pine plantations. Forest Ecology and Management, 2010, 259, 1922-1929.	3.2	19
15	Compatibility, Development, and Estimation of Taper and Volume Equation Systems. Forest Science, 2019, 65, 1-13.	1.0	18
16	Does insect folivory vary with latitude among temperate deciduous forests?. Ecological Research, 2011, 26, 377-383.	1.5	17
17	Loblolly pine outperforms slash pine in the southeastern United States â€“ A long-term experimental comparison study. Forest Ecology and Management, 2019, 450, 117532.	3.2	17
18	La prÃ©paration du terrain et le contrÃ1e de la vÃ©gÃ©tation adventice affectent la productivitÃ© Ã long terme de Pinus taeda dans les stations des PiÃ©monts du sud et des plaines cÃ´tiÃ¨res des Ã‰tats-Unis dâ€™AmÃ©rique. Annals of Forest Science, 2009, 66, 705-705.	2.0	15

#	Article	IF	Citations
19	Effects of drip irrigation and nitrogen fertigation on stand growth and biomass allocation in young triploid Populus tomentosa plantations. Forest Ecology and Management, 2020, 461, 117937.	3.2	15
20	Influence of drip irrigation, nitrogen fertigation, and precipitation on soil water and nitrogen distribution, tree seasonal growth and nitrogen uptake in young triploid poplar (Populus tomentosa) plantations. Agricultural Water Management, 2021, 243, 106460.	5.6	15
21	New Variable-Top Merchantable Volume and Weight Equations Derived Directly from Cumulative Relative Profiles for Loblolly Pine. Forest Science, 2017, 63, 261-269.	1.0	14
22	Local and General Above-Ground Biomass Functions for Pinus palustris Trees. Forests, 2018, 9, 310.	2.1	14
23	Long-term dynamics of loblolly pine crown structure and aboveground net primary production as affected by site quality, planting density and cultural intensity. Forest Ecology and Management, 2020, 472, 118259.	3.2	13
24	Considering neighborhood effects improves individual dbh growth models for natural mixed-species forests in Mexico. Annals of Forest Science, 2018, 75, 1.	2.0	11
25	Combined surface drip irrigation and fertigation significantly increase biomass and carbon storage in a Populus Ã— euramericana cv. Guariento plantation. Journal of Forest Research, 2016, 21, 280-290.	1.4	10
26	Deriving compatible taper functions from volume ratio equations based on upper-stem height. Canadian Journal of Forest Research, 2017, 47, 1424-1431.	1.7	10
27	Rethinking maximum stand basal area and maximum SDI from the aspect of stand dynamics. Forest Ecology and Management, 2020, 475, 118462.	3.2	9
28	Compatible Taper and Stem Volume Equations for Five Pine Species in Mixed-Species Forests in Mexico. Forest Science, 2019, 65, 602-613.	1.0	7
29	Relationships among growth, Î´13C, 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. Forest Ecology and Management, 2018, 422, 233-240.	3.2	5
30	An Empirical Examination of Dominant Height Projection Accuracy Using Difference Equation Models. Forest Science, 2020, 66, 267-274.	1.0	5
31	Effects of intensive fertilization, complete competition control and site quality on aboveground net primary production (ANPP) dynamics of loblolly pine plantations. Forest Ecology and Management, 2022, 506, 119986.	3.2	4
32	Correlation-Regression Analysis for Understanding Dominant Height Projection Accuracy. Forest Science, 2017, 63, 549-558.	1.0	3
33	New Variable-Top Merchantable Volume and Weight Equations Derived Directly from Cumulative Relative Profiles for Loblolly Pine. Forest Science, 2017, , .	1.0	3
34	Stochastic Dynamic Optimization for Forest Rotation with Uncertain Stumpage Prices. Forest Science, 2022, 68, 389-398.	1.0	2
35	Correlation-Regression Analysis for Understanding Dominant Height Projection Accuracy. Forest Science, 2017, , .	1.0	1
36	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

#	Article	IF	Citations
37	An Inverse Growth Curve Representation of the Clutter-Jones Stand Survival Model. Forest Science, 2022, 68, 239-245.	1.0	1