

Takaaki Fujimoto

List of Publications by Year in descending order

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13
papers

162
citations

1684188

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1125743

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docs citations

13
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of Wood Stiffness and Strength Properties of Hybrid Larch by Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 882-888.	2.2	59
2	Prediction of Wood Density Independently of Moisture Conditions Using near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 353-359.	1.5	29
3	Fast online NIR technique to predict MOE and moisture content of sawn lumber. <i>Holzforschung</i> , 2015, 69, 329-335.	1.9	24
4	Prediction of Wood Density Using near Infrared-Based Partial Least Squares Regression Models Calibrated with X-Ray Microdensity. <i>NIR News</i> , 2013, 24, 4-8.	0.3	7
5	Evaluation of wood variation based on the eigenvalue distribution of near infrared spectral matrix. <i>Journal of Near Infrared Spectroscopy</i> , 2019, 27, 175-180.	1.5	7
6	Modeling the effects of growth rate on the intra-tree variation in basic density in hinoki cypress (<i>Chamaecyparis obtusa</i>). <i>Journal of Wood Science</i> , 2014, 60, 305-312.	1.9	6
7	Variation in wood shrinkage evaluated by the eigenvalue distribution of the near infrared spectral matrix. <i>Vibrational Spectroscopy</i> , 2020, 109, 103091.	2.2	6
8	Heritability estimates for wood stiffness and its related near-infrared spectral bands in sugi (<i>Cryptomeria japonica</i>) clones. <i>Journal of Forest Research</i> , 2015, 20, 206-212.	1.4	5
9	Dynamic behavior of wood chemical components under drying process measured by near infrared spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2017, 25, 400-406.	1.5	5
10	Nondestructive Evaluation of Wood Properties in Standing Trees Using Vibrational Spectra. <i>Mokuzai Gakkai Shi</i> , 2017, 63, 291-296.	0.2	5
11	Evaluation of stress relaxation process of wood based on the eigenvalue distribution of near infrared spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119197.	3.9	4
12	Energetics of the distribution of cell wall in wood based on an eigenvalue analysis. <i>Journal of Wood Science</i> , 2020, 66, .	1.9	4
13	Evaluation of the age dependent variation of wood properties based on the eigenvalue distribution of near infrared spectral matrices. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 225, 104576.	3.5	1