Masumi Hasegawa

List of Publications by Year
in descending order

12	128	1307594 7	1199594 12
papers	citations	h-index	g-index

12	12	12	106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of wood properties on within-tree variation in ultrasonic wave velocity in softwood. Ultrasonics, 2011, 51, 296-302.	3.9	45
2	Acoustoelastic birefringence effect in wood I: effect of applied stresses on the velocities of ultrasonic shear waves propagating transversely to the stress direction. Journal of Wood Science, 2004, 50, 47-52.	1.9	11
3	Effect of anisotropy on acoustoelastic birefringence in wood. Ultrasonics, 2007, 46, 184-190.	3.9	10
4	Acoustoelastic effect in Melia azedarach for nondestructive stress measurement. Construction and Building Materials, 2010, 24, 1713-1717.	7.2	10
5	Nondestructive evaluation of bending strength of wood with artificial holes by employing air-coupled ultrasonics. Construction and Building Materials, 2016, 110, 24-31.	7.2	10
6	Acoustoelastic effect of wood III: effect of applied stresses on the velocity of ultrasonic waves propagating normal to the direction of the applied stress. Journal of Wood Science, 2000, 46, 102-108.	1.9	8
7	Acoustoelastic birefringence effect in wood III: ultrasonic stress determination of wood by acoustoelastic birefringence method. Journal of Wood Science, 2004, 50, 108-114.	1.9	8
8	Acoustoelastic birefringence effect in wood II: influence of texture anisotropy on the polarization direction of shear wave in wood. Journal of Wood Science, 2004, 50, 101-107.	1.9	7
9	The relations of fiber length, wood density, and compressive strength to ultrasonic wave velocity within stem of Melia azedarach. Journal of the Indian Academy of Wood Science, 2019, 16, 1-8.	0.9	7
10	Cultivation and Utilization of Japanese Fast Growing Trees with High Capability for Carbon Stock II.. Mokuzai Gakkai Shi, 2007, 53, 127-133.	0.2	6
11	Prospects for within-tree variation of the acoustoelastic behaviors in Japanese cedar. NDT and E International, 2012, 49, 57-63.	3.7	5
12	Relationship between Chemical Retention and Velocity of Air-Coupled Ultrasonic Waves in Fire-Retardant-Treated Wood. BioResources, 2017, 12, .	1.0	1