

Futoshi Ishiguri

List of Publications by Year in descending order

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105
papers

728
citations

687363

13
h-index

794594

19
g-index

105
all docs

105
docs citations

105
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Clonal variations and effects of juvenile wood on lumber quality in Japanese larch. <i>Wood Material Science and Engineering</i> , 2022, 17, 72-81.	2.3	6
2	Secondary xylem maturation evaluated by modeling radial variations in anatomical characteristics and wood properties of <i>Shorea macrophylla</i> (De Vr.) Ashton planted in Sarawak, Malaysia. <i>Trees - Structure and Function</i> , 2022, 36, 659-668.	1.9	5
3	Longitudinal and geographic variations in the green moisture content and basic density of bamboo culm in three species naturally grown in Lombok Island, Indonesia. <i>Tropics</i> , 2022, 30, .	0.8	1
4	Inheritance of wood color, decay resistance, and polyphenol content of heartwood in full-sib families of Japanese larch (<i>Larix kaempferi</i> (Lamb.) Carr.). <i>Holzforschung</i> , 2022, 76, 348-355.	1.9	2
5	Estimating available unused dead wood materials for heat generation in Mongolia: how much coal can unused dead wood materials substitute?. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 291.	2.7	1
6	DECAY RESISTANCE AND CHANGES IN CHEMICAL COMPOSITION OF TWO FAST-GROWING TREE SPECIES NEOLAMARKCIA CADAMBA AND OCHROMA PYRAMIDALE. <i>Cellulose Chemistry and Technology</i> , 2022, 56, 91-98.	1.2	0
7	Radial variations of broad-sense heritability in wood properties and classification of load-deflection curves in static bending for six half-sib families of <i>Chamaecyparis obtusa</i> . <i>Journal of Wood Science</i> , 2022, 68, .	1.9	3
8	Among-family variations of direct measurement values for chemical and pulp properties in 4-year-old <i>Eucalyptus camaldulensis</i> half-sib families in Thailand. <i>Nordic Pulp and Paper Research Journal</i> , 2022, .	0.7	0
9	Inheritance of static bending properties and classification of load-deflection curves in <i>Cryptomeria japonica</i> . <i>Holzforschung</i> , 2021, 75, 105-113.	1.9	13
10	Selection of <i>Eucalyptus camaldulensis</i> Families for Sustainable Pulpwood Production by Means of Anatomical Characteristics. <i>Forests</i> , 2021, 12, 31.	2.1	5
11	Modeling of radial variations of wood properties in naturally regenerated trees of <i>Betula platyphylla</i> grown in Selenge, Mongolia. <i>Journal of Wood Science</i> , 2021, 67, .	1.9	3
12	Within-tree and radial variations of wood properties in naturally regenerated trees of <i>Betula platyphylla</i> grown in Nikko, Japan. <i>International Wood Products Journal</i> , 2021, 12, 95-106.	1.1	4
13	Modeling of radial variations in wood properties and comparison of juvenile and mature wood of four common conifers in Mongolia. <i>Holzforschung</i> , 2021, .	1.9	5
14	Inheritance of the wood properties of the Japanese red pine (<i>Pinus densiflora</i> Siebold et Zucc.) from the open-pollinated families selected as resistance to the pine wood nematode. <i>Silvae Genetica</i> , 2021, 70, 186-194.	0.8	1
15	Development of wood decay in bark-stripped Sugi (<i>Cryptomeria japonica</i> (Thunb. ex) Tj ETQq1 1 0.784314 rgBT /Over Journal of the Japanese Society of Revegetation Technology, 2021, 47, 33-38.	0.1	0
16	Representative heights for assessing whole-tree values of cell-type proportions in <i>Eucalyptus camaldulensis</i> and <i>E. globulus</i> . <i>Journal of Forestry Research</i> , 2020, 31, 885-900.	3.6	0
17	Tree and Stand Variations of the Stress-Wave Velocity of Stems in <i>Lithocarpus Edulis</i> Trees Growing in Coppiced Stands in Chiba, Japan. <i>Journal of Sustainable Forestry</i> , 2020, , 1-12.	1.4	0
18	SNP Genotyping with Target Amplicon Sequencing Using a Multiplexed Primer Panel and Its Application to Genomic Prediction in Japanese Cedar, <i>Cryptomeria japonica</i> (L.f.) D.Don. <i>Forests</i> , 2020, 11, 898.	2.1	12

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19	Physical and mechanical properties of wood and their geographic variations in <i>Larix sibirica</i> trees naturally grown in Mongolia. <i>Scientific Reports</i> , 2020, 10, 12936.	3.3	15
20	Predicting the bending properties of <i>Larix sibirica</i> lumber using nondestructive-testing methods. <i>International Wood Products Journal</i> , 2020, 11, 115-121.	1.1	8
21	Bending properties of dimension lumber produced from Siberian larch (<i>Larix sibirica</i>) in Mongolia. <i>Journal of Wood Science</i> , 2020, 66, .	1.9	8
22	Preliminary evaluation for quality of dimension lumber in four common softwoods in Mongolia. <i>Journal of Wood Science</i> , 2020, 66, .	1.9	5
23	Utilization potential of naturally regenerated Mongolian <i>Betula platyphylla</i> wood based on growth characteristics and wood properties. <i>Silva Fennica</i> , 2020, 54, .	1.3	5
24	Basic wood properties of Borneo ironwood (<i>Eusideroxylon zwageri</i>) planted in Sarawak, Malaysia. <i>Tropics</i> , 2020, 28, 99-103.	0.8	5
25	Wood properties and simulated modulus of elasticity of glulam in three fast-growing tree species grown in community forests in Yogyakarta, Java Island, Indonesia. <i>Tropics</i> , 2020, 29, 89-104.	0.8	5
26	Repeatability of growth characteristics and wood properties for solid wood production from <i>Eucalyptus camaldulensis</i> half-sib families growing in Thailand. <i>Silvae Genetica</i> , 2020, 69, 36-43.	0.8	7
27	Fungal Glycoside Hydrolases of White-Rot Fungi for Cellulosic Biofuels Production: A Review. <i>Asian Journal of Chemistry</i> , 2020, 32, 1815-1823.	0.3	0
28	The complete mitochondrial genome sequence of the medicinal fungus <i>Inonotus obliquus</i> (Hymenochaetaceae, Basidiomycota). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3504-3506.	0.4	5
29	Effects of thinning on anatomical characteristics and wood properties of 12-year-old <i>Eucalyptus camaldulensis</i> trees planted in Thailand. <i>Tropics</i> , 2019, 28, 67-73.	0.8	4
30	Variations in anatomical characteristics and predicted paper quality of three <i>Eucalyptus</i> species planted in Indonesia. <i>Wood Science and Technology</i> , 2019, 53, 1409-1423.	3.2	8
31	Anatomical characteristics and wood properties of unutilized <i>Artocarpus</i> species found in secondary forests regenerated after shifting cultivation in Central Kalimantan, Indonesia. <i>Agroforestry Systems</i> , 2019, 93, 745-753.	2.0	3
32	Geographical variations of lumber quality of <i>Larix sibirica</i> naturally grown in five different provenances of Mongolia. <i>Journal of Wood Science</i> , 2019, 65, .	1.9	5
33	Variance components and parent-offspring correlations of growth traits vary among the initial planting spacings in <i>Zelkova serrata</i> . <i>Silvae Genetica</i> , 2019, 68, 45-50.	0.8	2
34	Reaction wood anatomy and lignin distribution in <i>Gnetum gnemon</i> branches. <i>Journal of Wood Science</i> , 2018, 64, 872-879.	1.9	5
35	FTIR spectroscopy and color change of wood for assessment and monitoring of softwood degradation by white-rot fungus <i>Porodaedalea pini</i> . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	7
36	Wood properties of <i>Larix sibirica</i> naturally grown in Tosontsengel, Mongolia. <i>International Wood Products Journal</i> , 2018, 9, 127-133.	1.1	9

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37	Radial variation of wood properties in <i>Neolamarckia cadamba</i> trees from an East Java community forest. <i>Southern Forests</i> , 2018, 80, 351-359.	0.7	4
38	Geographic variations of wood properties of <i>Larix sibirica</i> naturally grown in Mongolia. <i>Silva Fennica</i> , 2018, 52, .	1.3	9
39	Preservative treatment of wood by using protein denaturation. <i>MOKUZAI HOZON (Wood Protection)</i> , 2018, 44, 301-307.	0.0	0
40	Radial and between-family variations of the microfibril angle and the relationships with bending properties in <i>Picea jezoensis</i> families. <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 39-44.	1.4	8
41	Among-family variations of solid wood properties in 4-year-old <i>Eucalyptus camaldulensis</i> trees selected for pulpwood production in Thailand. <i>International Wood Products Journal</i> , 2017, 8, 36-40.	1.1	7
42	Wood properties of 7-year-old balsa (<i>Ochroma pyramidale</i>) planted in East Java. <i>International Wood Products Journal</i> , 2017, 8, 227-232.	1.1	7
43	Relationships between tree size and reaction wood formation in 23 Japanese angiosperms. <i>Journal of Wood Science</i> , 2017, 63, 307-312.	1.9	0
44	Variations on growth characteristics and wood properties of three <i>Eucalyptus</i> species planted for pulpwood in Indonesia. <i>Tropics</i> , 2017, 26, 59-69.	0.8	20
45	The Effects of Radial Growth Rate on Wood Properties and Anatomical Characteristics and an Evaluation of the Xylem Maturation Process in a Tropical Fast-Growing Tree Species, <i>Gmelina arborea</i> . <i>Forest Products Journal</i> , 2017, 67, 297-303.	0.4	7
46	Evaluation of xylem maturation and the effects of radial growth rate on anatomical characteristics and wood properties of <i>Azadirachta excelsa</i> planted in Indonesia. <i>Journal of the Indian Academy of Wood Science</i> , 2016, 13, 138-144.	0.9	6
47	Anatomical characteristics in 20-year-old <i>Zelkova serrata</i> trees from eight half-sib families. <i>Journal of Wood Science</i> , 2016, 62, 472-476.	1.9	1
48	Effects of radial growth rate on anatomical characteristics and wood properties of 10-year-old <i>Dysoxylum mollissimum</i> trees planted in Bengkulu, Indonesia. <i>Tropics</i> , 2016, 25, 23-31.	0.8	21
49	Anatomical, chemical, and physical characteristics of tension wood in two tropical fast-growing species, <i>Falcataria moluccana</i> and <i>Acacia auriculiformis</i> . <i>Tropics</i> , 2016, 25, 33-41.	0.8	4
50	Wood, Chemical, and Pulp Properties of Woods from Less-Utilized Fast-Growing Tree Species Found in Naturally Regenerated Secondary Forest in South Kalimantan, Indonesia. <i>Journal of Wood Chemistry and Technology</i> , 2016, 36, 250-258.	1.7	17
51	Changes in lignocellulolytic enzyme activity during the degradation of <i>Picea jezoensis</i> wood by the white-rot fungus <i>Porodaedalea pini</i> . <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 108-112.	3.9	17
52	Properties of Juvenile and Mature Wood and Their Effects on the Bending Properties of Lumber in <i>Pinus taeda</i> Growing in Tochigi, Japan. <i>Forest Products Journal</i> , 2016, 66, 428-432.	0.4	13
53	Wood properties related to pulp and paper quality in two <i>Macaranga</i> species naturally regenerated in secondary forests, Central Kalimantan, Indonesia. <i>Tropics</i> , 2016, 25, 107-115.	0.8	16
54	Characteristics of bark-stripping of Hinoki cypress (<i>Chamaecyparis obtusa</i>) trees by Japanese black bear (<i>Ursus thibetanus japonicus</i>) and development of wood decay. <i>Journal of the Japanese Society of Revegetation Technology</i> , 2016, 42, 74-79.	0.1	0

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55	Diversities of decay resistance and n-hexane-extractable contents in seven half-sib families from plus trees in todomatsu (<i>Abies sachalinensis</i>). <i>Journal of Wood Science</i> , 2015, 61, 192-198.	1.9	4
56	Ozone oxidation pretreatment for enzymatic saccharification of spent culture media after <i>Lentinula edodes</i> cultivation. <i>Journal of Wood Science</i> , 2015, 61, 65-69.	1.9	4
57	Inheritance of basic density and microfibril angle and their variations among full-sib families and their parental clones in <i>Picea glehnii</i> . <i>Holzforschung</i> , 2015, 69, 581-586.	1.9	2
58	Growth characteristics and wood properties of 26-year-old <i>Eucalyptus alba</i> planted in Indonesia. <i>International Wood Products Journal</i> , 2015, 6, 84-88.	1.1	9
59	Variations in Growth Characteristics and Stress-wave Velocities of <i>Zelkova serrata</i> Trees from Eight Half-sib Families Planted in Three Different Initial Spacings. <i>Journal of Forest and Environmental Science</i> , 2015, 31, 235-240.	0.2	1
60	Proteomic Analysis of Responsive Proteins Induced in Japanese Birch Plantlet Treated with Salicylic Acid. <i>Proteomes</i> , 2014, 2, 323-340.	3.5	1
61	Reaction Wood Anatomy in a Vessel-Less Angiosperm <i>Sarcandra glabra</i> . <i>IAWA Journal</i> , 2014, 35, 116-126.	2.7	4
62	ANATOMY AND CHEMICAL COMPOSITION OF <i>LIRIODENDRON TULIPIFERA</i> STEMS INCLINED AT DIFFERENT ANGLES. <i>IAWA Journal</i> , 2014, 35, 463-475.	2.7	4
63	Anatomical characteristics and wood properties of <i>Melaleuca leucadendron</i> naturally growing in secondary forest in Indonesia. <i>Australian Forestry</i> , 2014, 77, 168-172.	0.9	2
64	Wood properties and their among-family variations in 10 open-pollinated families of <i>Picea jezoensis</i> . <i>Journal of Wood Science</i> , 2014, 60, 297-304.	1.9	7
65	Physical and Mechanical Properties of Woods from Three Native Fast-Growing Species in a Secondary Forest in South Kalimantan, Indonesia. <i>Forest Products Journal</i> , 2014, 64, 48-54.	0.4	11
66	Wood Properties of Sanbu-Sugi Cultivar of Sugi (<i>Cryptomeria japonica</i> D. Don) Planted in Chiba Prefecture, Japan. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2014, 63, 635-640.	0.2	4
67	The Effect of Storage Time of Cloud Ear Fungus (<i>Auricularia polytricha</i>) Spent Culture Media Made of Three Indonesian Tree Species on Their Saccharification Rate. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2014, 93, 340-344.	0.2	0
68	Ozone treatment of spent medium from <i>Auricularia polytricha</i> cultivation for enzymatic saccharification and subsequent ethanol production. <i>Journal of Wood Science</i> , 2013, 59, 522-527.	1.9	7
69	Growth characteristics, stress-wave velocity, and Pilodyn penetration of 15 clones of 12-year-old <i>Tectona grandis</i> trees planted at two different sites in Indonesia. <i>Journal of Wood Science</i> , 2013, 59, 249-254.	1.9	18
70	Stress-wave velocity of trees and dynamic Young's modulus of logs of 4-year-old <i>Eucalyptus camaldulensis</i> trees selected for pulpwood production in Thailand. <i>Journal of Wood Science</i> , 2013, 59, 506-511.	1.9	19
71	Variation in tree growth characteristics, stress-wave velocity, and Pilodyn penetration of 24-year-old teak (<i>Tectona grandis</i>) trees originating in 21 seed provenances planted in Indonesia. <i>Journal of Wood Science</i> , 2013, 59, 512-516.	1.9	12
72	ANATOMY AND LIGNIN DISTRIBUTION OF "COMPRESSION-WOOD-LIKE REACTION WOOD" IN <i>GARDENIA JASMINOIDES</i> . <i>IAWA Journal</i> , 2013, 34, 263-272.	2.7	4

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73	CHARACTERISTICS OF TROCHODENDRON ARALIOIDES TENSION WOOD FORMED AT DIFFERENT INCLINATION ANGLES. IAWA Journal, 2013, 34, 273-284.	2.7	2
74	Anatomical property variation in <i>Acacia auriculiformis</i> growing in Bangladesh. International Wood Products Journal, 2013, 4, 75-80.	1.1	9
75	Cationic peroxidase related to basal resistance of <i>Betula platyphylla</i> var. <i>japonica</i> plantlet No.8 against canker-rot fungus <i>Inonotus obliquus</i> strain IO-U1. Plant Biotechnology, 2013, 30, 199-205.	1.0	9
76	Proteome analysis of infection-specific proteins from Japanese birch (<i>Betula platyphylla</i> var. <i>japonica</i>) plantlet No.8 infected with <i>Inonotus obliquus</i> strain IO-U1. Plant Biotechnology, 2013, 30, 83-87.	1.0	2
77	Variation in anatomical properties and correlations with wood density and compressive strength in <i>Casuarina equisetifolia</i> growing in Bangladesh. Australian Forestry, 2012, 75, 95-99.	0.9	14
78	Radial variation of bending property in plantation grown <i>Acacia auriculiformis</i> in Bangladesh. Forest Science and Technology, 2012, 8, 135-138.	0.8	5
79	Enzymatic saccharification of spent wood-meal media made of 5 different tree species after cultivation of edible mushroom <i>Auricularia polytricha</i> . Journal of Wood Science, 2012, 58, 180-183.	1.9	9
80	Wood Properties of Young <i>Acacia mangium</i> Trees Planted in Indonesia. Forest Products Journal, 2012, 62, 102-106.	0.4	30
81	Properties of Bending, Shearing and Partial Compression of Laminated Lumbers Composed of Sugi and Hinoki Wood with Elements or Laminae of Varying Thickness. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 913-917.	0.2	0
82	Wood properties of <i>Pericopsis mooniana</i> grown in a plantation in Indonesia. Journal of Wood Science, 2011, 57, 241-246.	1.9	21
83	Stress wave velocity, basic density, and compressive strength in 34-year-old <i>Pinus merkusii</i> planted in Indonesia. Journal of Wood Science, 2011, 57, 526-531.	1.9	4
84	Clonal Variations of Static Bending Properties and Microfibril Angle of the S2 Layer in Latewood Tracheids in Todomatsu (<i>Abies sachalinensis</i>) Plus-trees.. Mokuzaï Gakkai Shi, 2010, 56, 265-273.	0.2	3
85	Radial variations of wood properties in <i>Casuarina equisetifolia</i> growing in Bangladesh. Journal of Wood Science, 2009, 55, 139-143.	1.9	28
86	In vitro plantlet regeneration of <i>Elaeocarpus robustus</i> (Indian olive): a fruit plant of Bangladesh. Plant Biotechnology Reports, 2009, 3, 259-266.	1.5	5
87	The Evaluation of Modulus of Elasticity at an Early Stage of Growth in Sugi (<i>Cryptomeria japonica</i>) Wood Using S2 Microfibril Angle of Latewood Tracheids as a Wood Quality Indicator. Mokuzaï Gakkai Shi, 2009, 55, 10-17.	0.2	8
88	Fruit Body Flushing from the Upper Portion of Mycelial Block in Sawdust-Based Cultivation of <i>Lentinula edodes</i> . Environmental Control in Biology, 2009, 47, 47-52.	0.7	0
89	Prediction of the mechanical properties of lumber by stress-wave velocity and Pilodyn penetration of 36-year-old Japanese larch trees. European Journal of Wood and Wood Products, 2008, 66, 275-280.	2.9	47
90	Anatomical and histochemical characteristics of Japanese birch (Tohoku) plantlets infected with the <i>Inonotus obliquus</i> IO-U1 strain. Plant Biotechnology, 2008, 25, 183-189.	1.0	6

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91	Histological observation of changes in leaf structure during successive micropropagation stages in <i>Aralia elata</i> and <i>Phellodendron amurense</i> . <i>Plant Biotechnology</i> , 2007, 24, 221-226.	1.0	17
92	Somatic Embryogenesis from Cell Suspension Cultures of Taranoki (<i>Aralia elata</i>). <i>Environmental Control in Biology</i> , 2007, 45, 173-178.	0.7	0
93	Comparison of Wood Properties of Hinoki (<i>Chamaecyparis obtusa</i>) Small Diameter Logs Collected from Different Tree Ages and Heights. <i>Mokuzai Gakkai Shi</i> , 2006, 52, 383-388.	0.2	4
94	Biodegradation and Composting of Nameko (<I>Pholiota nameko</I> (T. Ito) S. Ito) Cultural Wastes. <i>Shokubutsu Kankyo Kogaku</i> , 2006, 18, 290-298.	0.1	1
95	Relationship between Stress-Wave Velocity of Standing Tree and Wood Quality in 27-Year-Old Hinoki (<i>Chamaecyparis obtusa</i> Endl.). <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2006, 55, 576-582.	0.2	15
96	Ozone- ϵ -dioxane delignification from the cell walls of Japanese cypress (<i>Chamaecyparis obtusa</i> Endl.). <i>Journal of Material Cycles and Waste Management</i> , 2006, 8, 140-144.	3.0	9
97	Relationship between starch accumulation and organ development at the different growth stages of callus in Kihada (<i>Phellodendron amurense</i> Rupr.). <i>Plant Biotechnology</i> , 2006, 23, 239-245.	1.0	6
98	Histological studies of shoot regeneration system in hypocotyl-derived callus of <i>Phellodendron amurense</i> Rupr.. <i>Journal of Forest Research</i> , 2005, 10, 377-384.	1.4	7
99	Changes in the physical and chemical properties of six Japanese softwoods caused by lengthy smoke-heating treatment. <i>Journal of Wood Science</i> , 2005, 51, 161-166.	1.9	7
100	Reddening by UV Irradiation after Smoke-Heating in Sugi (<i>Cryptomeria japonica</i> D. Don) Black Heartwood. <i>Holzforschung</i> , 2001, 55, 347-354.	1.9	10
101	Improvement of Heartwood Color of Black-Colored Sugi (<i>Cryptomeria japonica</i> D. Don) by UV Irradiation after Smoke Heating. <i>Holzforschung</i> , 2000, 54, 294-300.	1.9	9
102	Wood and Wood Based Materials. Wood Quality of Sugi (<i>Cryptomeria japonica</i> D. Don) by Smoke-Heating with Increased Far-Infrared Radiation.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 1998, 47, 361-367.	0.2	1
103	Log characteristics and basic density of four common Mongolian softwoods. <i>International Wood Products Journal</i> , 0, , 1-8.	1.1	0
104	Determination of Boundary between Core and Outer Wood by Radial Variation Modeling in Tropical Fast-Growing Tree Species. <i>Journal of Sustainable Forestry</i> , 0, , 1-20.	1.4	3
105	Preliminary evaluation of anatomical characteristics of four common Mongolian softwoods. <i>Forest Science and Technology</i> , 0, , 1-11.	0.8	0