Wayan Darmawan

List of Publications by Year
in descending order

47	554	777949 13	799663 21
papers	citations	h-index	g-index

48	48	48	408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Innovation of helical cutting tool edge for eco-friendly milling of wood-based materials. Wood Material Science and Engineering, 2022, 17, 607-616.	1.1	6
2	Change in the surface roughness and surface free energy of Samama (Anthocephalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (Adhesion Science and Technology, 2022, 36, 654-665.	1.4	2
3	Fast-Growing Magnetic Wood Synthesis by an In-Situ Method. Polymers, 2022, 14, 2137.	2.0	5
4	The influence of helix angle of router bits on chip flow, roughness and noise level in milling different grain angle orientation of teak wood. International Wood Products Journal, 2021, 12, 73-82.	0.6	1
5	Biomolecules of Interest Present in the Main Industrial Wood Species Used in Indonesia-A Review. Journal of Renewable Materials, 2021, 9, 399-449.	1.1	1
6	Effect of furfurylation treatment on technological properties of short rotation teak wood. Journal of Materials Research and Technology, 2021, 12, 1689-1699.	2.6	22
7	The effect of heat treatment on the characteristics of the short rotation teak. International Wood Products Journal, 2021, 12, 218-227.	0.6	4
8	Pengaruh Karakteristik Kimia terhadap Sifat Mekanis dan Keawetan Alami Tiga Jenis Kayu Kurang Digunakan (Effect of Chemical Characteristics on Mechanical and Natural Durability Properties of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	0
9	Effect of glycerol-maleic anhydride treatment on technological properties of short rotation teak wood. Wood Science and Technology, 2021, 55, 1795-1819.	1.4	9
10	Dimensional Stability of Treated Sengon Wood by Nano-Silica of Betung Bamboo Leaves. Forests, 2021, 12, 1581.	0.9	0
11	Intsia bijuga Heartwood Extract and Its Phytosome as Tyrosinase Inhibitor, Antioxidant, and Sun Protector. Forests, 2021, 12, 1792.	0.9	4
12	Characteristics of fast-growing wood impregnated with nanoparticles. Journal of Forestry Research, 2020, 31, 677.	1.7	12
13	Performance of samama (Anthocephalus macrophyllus) LVL based on veneer thickness, juvenile proportion and lay-up. Wood Material Science and Engineering, 2020, 15, 155-162.	1.1	6
14	Wettability and adherence of acrylic paints on long and short rotation teaks. Wood Material Science and Engineering, 2020, 15, 229-236.	1.1	11
15	Surface free energy of 10 tropical woods species and their acrylic paint wettability. Journal of Adhesion Science and Technology, 2020, 34, 167-177.	1.4	12
16	Influence of surface roughness of ten tropical woods species on their surface free energy, varnishes wettability and bonding quality. Pigment and Resin Technology, 2020, 49, 441-447.	0.5	3
17	Nanosilica Synthesis from Betung Bamboo Sticks and Leaves by Ultrasonication . Nanotechnology, Science and Applications, 2020, Volume 13, 131-136.	4.6	8
18	Flexural Properties of Heat-Treatment Samama (Anthocephalus macrophyllus) Wood Impregnated by Boron and Methyl Metacrylate. Journal of the Korean Wood Science and Technology, 2020, 48, 76-85.	0.8	11

#	Article	IF	Citations
19	Improvement of Fast-Growing Wood Species Characteristics by MEG and Nano SiO2 Impregnation. Journal of the Korean Wood Science and Technology, 2020, 48, 41-49.	0.8	16
20	Microbial growths and checking on acrylic painted tropical woods and their static bending after three years of natural weathering. Journal of Materials Research and Technology, 2019, 8, 3495-3503.	2.6	2
21	Cutting performance of multilayer coated tungsten carbide in milling of wood composites. International Wood Products Journal, 2019, 10, 78-85.	0.6	6
22	Characterization of thermally modified short and long rotation teaks and the effects on coatings performance. Maderas: Ciencia Y Tecnologia, 2019, , 0-0.	0.7	11
23	Comparison of teak wood properties according to forest management: short versus long rotation. Annals of Forest Science, 2018, 75, 1.	0.8	39
24	Wettability and bonding quality of exterior coatings on jabon and sengon wood surfaces. Journal of Coatings Technology Research, 2018, 15, 95-104.	1.2	29
25	A Theoretical Model for the Increases in Cutting Edge Recessions During Milling of Nine Species of Wood. BioResources, 2018, 13, .	0.5	1
26	The chips generated during up-milling and down-milling of pine wood by helical router bits. Journal of the Indian Academy of Wood Science, 2018, 15, 172-180.	0.3	12
27	Radial Variation in Selected Wood Properties of Indonesian Merkusii Pine. Journal of the Korean Wood Science and Technology, 2018, 46, 323-337.	0.8	13
28	Feasibility study of utilization of commercially available polyurethane resins to develop non-biocidal wood preservation treatments. European Journal of Wood and Wood Products, 2017, 75, 877-884.	1.3	4
29	The effect of juvenility and veneer thickness on bending strength of Douglas-fir laminated veneer lumber. Journal of the Indian Academy of Wood Science, 2016, 13, 64-72.	0.3	1
30	The quality of 8 and 10Âyears old samama wood (Anthocephalus macrophyllus). Journal of the Indian Academy of Wood Science, 2015, 12, 22-28.	0.3	26
31	Juvenile and mature wood characteristics of short and long rotation teak in Java. IAWA Journal, 2015, 36, 428-442.	2.7	35
32	Ten new poplar cultivars provide laminated veneer lumber for structural application. Annals of Forest Science, 2015, 72, 705-715.	0.8	25
33	Lathe check characteristics of fast growing sengon veneers and their effect on LVL glue-bond and bending strength. Journal of Materials Processing Technology, 2015, 215, 181-188.	3.1	31
34	PENGARUH KOMPOSISI ARAH LAPISAN TERHADAP SIFAT PAPAN BAMBU KOMPOSIT. Jurnal Penelitian Hasil Hutan, 2014, 32, 221-234.	0.2	3
35	Determination of juvenile and mature transition ring for fast growing sengon and jabon wood. Journal of the Indian Academy of Wood Science, 2013, 10, 39-47.	0.3	24
36	Radial variation of wood properties of Sengon (Paraserianthes falcataria) and Jabon (Anthocephalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	27

#	Article	IF	Citations
37	THE IMPORTANCE OF EXTRACTIVES AND ABRASIVES IN WOOD MATERIALS ON THE WEARING OF CUTTING TOOLS. BioResources, 2012, 7, .	0.5	16
38	Performance of helical edge milling cutters in planing wood. European Journal of Wood and Wood Products, 2011, 69, 565-572.	1.3	18
39	Wear Characteristics of Multilayer-Coated Cutting Tools when Milling Particleboard. Forest Products Journal, 2010, 60, 615-621.	0.2	8
40	Improvement in wear characteristics of the AISI M2 by laser cladding and melting. Journal of Laser Applications, 2009, 21, 176-182.	0.8	12
41	Performance of laser-treated AISI-M2 cutting tools for peeling beech. European Journal of Wood and Wood Products, 2009, 67, 247-255.	1.3	7
42	Clearance wear and normal force of TiN-coated P30 in cutting hardboards and wood-chip cementboards. European Journal of Wood and Wood Products, 2008, 66, 89-97.	1.3	14
43	Characteristics of laser melted AISI-T1 high speed steel and its wear resistance. Surface Engineering, 2007, 23, 112-119.	1.1	21
44	Discrimination of coated carbide tools wear by the features extracted from parallel force and noise level. Annals of Forest Science, 2004, 61, 731-736.	0.8	9
45	Performance of coated carbide tools in turning wood-based materials: Effect of cutting speeds and coating materials on the wear characteristics of coated carbide tools in turning wood-chip cement board. Journal of Wood Science, 2001, 47, 342-349.	0.9	13
46	Performance of coated carbide tools when grooving wood-based materials: effect of work materials and coating materials on the wear resistance of coated carbide tools. Journal of Wood Science, 2001, 47, 94-101.	0.9	10
47	Mechanical properties and biological durability in soil contact of chemically modified wood treated in an open or in a closed system using glycerol/maleic anhydride systems. Wood Material Science and Engineering, 0, , 1-10.	1.1	4