

Iswanto Apri Heri

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	A review on Lantana camara lignocellulose fiber-reinforced polymer composites. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1495-1513.	2.9	8
2	Enhancing the performance of natural rubber latex with polymeric isocyanate as cold-pressing and formaldehyde free adhesive for plywood. <i>Journal of Adhesion</i> , 2023, 99, 58-73.	1.8	8
3	Recent progress in ultra-low formaldehyde emitting adhesive systems and formaldehyde scavengers in wood-based panels: a review. <i>Wood Material Science and Engineering</i> , 2023, 18, 763-782.	1.1	80
4	Recent Advances in the Development of Fire-Resistant Biocomposites—A Review. <i>Polymers</i> , 2022, 14, 362.	2.0	47
5	Physical and Chemical Properties of Acacia mangium Lignin Isolated from Pulp Mill Byproduct for Potential Application in Wood Composites. <i>Polymers</i> , 2022, 14, 491.	2.0	25
6	A recent advancement on preparation, characterization and application of nanolignin. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 303-326.	3.6	29
7	Performance of eco-friendly particleboard from agro-industrial residues bonded with formaldehyde-free natural rubber latex adhesive for interior applications. <i>Polymer Composites</i> , 2022, 43, 2222-2233.	2.3	15
8	Thermal and mechanical performance of ramie fibers modified with polyurethane resins derived from acacia mangium bark tannin. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2413-2427.	2.6	17
9	Lignin as Green Filler in Polymer Composites: Development Methods, Characteristics, and Potential Applications. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-33.	1.0	43
10	Characterization of Indonesian Banana Species as an Alternative Cellulose Fibers. <i>Journal of Natural Fibers</i> , 2022, 19, 14396-14413.	1.7	7
11	Mechanical and Physical Properties of Particleboard Made from the Sumatran Elephant (<i>Elephas</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	8
12	Modification of Ramie Fiber via Impregnation with Low Viscosity Bio-Polyurethane Resins Derived from Lignin. <i>Polymers</i> , 2022, 14, 2165.	2.0	17
13	Recent developments in lignin modification and its application in lignin-based green composites: A review. <i>Polymer Composites</i> , 2022, 43, 4848-4865.	2.3	50
14	Recent Developments in Lignin- and Tannin-Based Non-Isocyanate Polyurethane Resins for Wood Adhesives—A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4242.	1.3	83
15	Design and performance of amphiphilic lignin derivatives in enzymatic hydrolysis of sweet sorghum bagasse for bioethanol production. <i>BioResources</i> , 2021, 16, 5875-5889.	0.5	6
16	Bio-Based Polyurethane Resins Derived from Tannin: Source, Synthesis, Characterisation, and Application. <i>Forests</i> , 2021, 12, 1516.	0.9	30
17	Enhancing Thermal and Mechanical Properties of Ramie Fiber via Impregnation by Lignin-Based Polyurethane Resin. <i>Materials</i> , 2021, 14, 6850.	1.3	33
18	Wood Chemical Compositions of Raru Species Originating from Central Tapanuli, North Sumatra, Indonesia: Effect of Differences in Wood Species and Log Positions. <i>Journal of the Korean Wood Science and Technology</i> , 2021, 49, 416-429.	0.8	11

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19	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. <i>Polymers</i> , 2021, 13, 4280.	2.0	42
20	Optimizing the Synthesis of Lignin Derivatives from <i>Acacia mangium</i> to Improve the Enzymatic Hydrolysis of Kraft Pulp Sorghum Bagasse. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 227-235.	1.2	5
21	The Physical, Mechanical, and Sound Absorption Properties of Sandwich Particleboard (SPb). <i>Journal of the Korean Wood Science and Technology</i> , 2020, 48, 32-40.	0.8	23
22	Quality Comparison of Activated Carbon Produced From Oil Palm Fronds by Chemical Activation Using Sodium Carbonate versus Sodium Chloride. <i>Journal of the Korean Wood Science and Technology</i> , 2020, 48, 503-512.	0.8	20
23	Short Communication: Variation in chemical constituent of <i>Styrax sumatrana</i> wood growing at different cultivation site in North Sumatra, Indonesia. <i>Biodiversitas</i> , 2019, 20, 448-452.	0.2	5
24	Integrating <i>Styrax</i> -Coffee Agroforestry System and Apiculture as Alternative Source of Livelihood for Communities in Lake Toba Catchment Area, North Sumatra. , 2019, , .		0
25	Fundamental Properties of Composite Board Made with Oriented Strand Board and Three Different Species of Veneer. <i>Journal of the Korean Wood Science and Technology</i> , 2019, 47, 239-248.	0.8	4
26	Antioxidant and Antifungal Activity of Endophytic Fungi Associated with Agarwood Trees. <i>Journal of the Korean Wood Science and Technology</i> , 2019, 47, 459-471.	0.8	17
27	Effect of Particle Pre-Treatment on Properties of <i>Jatropha</i> Fruit Hulls Particleboard. <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 155-165.	0.8	12
28	Radical Scavenging Activity of Kemenyan Resin Produced by an Indonesian Native Plant, <i>Styrax sumatrana</i> . <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 346-354.	0.8	10
29	Morphological Characteristics of <i>Bambusa vulgaris</i> and the Distribution and Shape of Vascular Bundles therein. <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 315-322.	0.8	9
30	The physical, mechanical and durability properties of sorghum bagasse particleboard by layering surface treatment. <i>Journal of the Indian Academy of Wood Science</i> , 2017, 14, 1-8.	0.3	27
31	Physical and Mechanical Properties of Three-layer Particleboards Bonded With UF and UMF Adhesives. <i>Journal of the Korean Wood Science and Technology</i> , 2017, 45, 787-796.	0.8	12