Widya Fatriasari

List of Publications by Year
in descending order

53	1,139	471509 17	434195 31
papers	citations	h-index	g-index

53	53	53	477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the performance of natural rubber latex with polymeric isocyanate as cold-pressing and formaldehyde free adhesive for plywood. Journal of Adhesion, 2023, 99, 58-73.	3.0	8
2	Microwave-assisted acid pretreatment for enhancing enzymatic saccharification of sugarcane trash. Biomass Conversion and Biorefinery, 2022, 12, 3037-3054.	4.6	22
3	Response surface methodology for enzymatic hydrolysis optimization of jabon alkaline pulp with Tween 80 surfactant addition. Biomass Conversion and Biorefinery, 2022, 12, 2165-2174.	4.6	11
4	Recent Advances in the Development of Fire-Resistant Biocompositesâ€"A Review. Polymers, 2022, 14, 362.	4.5	47
5	Physical and Chemical Properties of Acacia mangium Lignin Isolated from Pulp Mill Byproduct for Potential Application in Wood Composites. Polymers, 2022, 14, 491.	4.5	25
6	A recent advancement on preparation, characterization and application of nanolignin. International Journal of Biological Macromolecules, 2022, 200, 303-326.	7.5	29
7	Lignin as Green Filler in Polymer Composites: Development Methods, Characteristics, and Potential Applications. Advances in Materials Science and Engineering, 2022, 2022, 1-33.	1.8	43
8	Characterization of Indonesian Banana Species as an Alternative Cellulose Fibers. Journal of Natural Fibers, 2022, 19, 14396-14413.	3.1	7
9	Effect of reaction time on the molecular weight distribution of polyurethane modified epoxy and its properties. Journal of Materials Research and Technology, 2022, 19, 2204-2214.	5.8	6
10	Recent developments in lignin modification and its application in ligninâ€based green composites: A review. Polymer Composites, 2022, 43, 4848-4865.	4.6	50
11	Lignin as an Active Biomaterial: A Review. Jurnal Sylva Lestari, 2021, 9, 1.	0.5	39
12	Novel antimicrobial bioplastic based on PLA-chitosan by addition of TiO2 and ZnO. Journal of Environmental Health Science & Engineering, 2021, 19, 415-425.	3.0	17
13	Bio-Polyurethane Resins Derived from Liquid Fractions of Lignin for the Modification of Ramie Fibers. Jurnal Sylva Lestari, 2021, 9, 223.	0.5	7
14	Recent Developments in Lignin- and Tannin-Based Non-Isocyanate Polyurethane Resins for Wood Adhesivesâ€"A Review. Applied Sciences (Switzerland), 2021, 11, 4242.	2.5	83
15	A review on natural fibers for development of eco-friendly bio-composite: characteristics, and utilizations. Journal of Materials Research and Technology, 2021, 13, 2442-2458.	5.8	262
16	Optimization of maleic acid pretreatment of oil palm empty fruit bunches (OPEFB) using response surface methodology to produce reducing sugars. Industrial Crops and Products, 2021, 171, 113971.	5.2	22
17	Pretreatment of Oil Palm Empty Fruit Bunch (OPEFB) at Bench-Scale High Temperature-Pressure Steam Reactor for Enhancement of Enzymatic Saccharification. International Journal of Renewable Energy Development, 2021, 10, 157-169.	2.4	12
18	Bio-Based Polyurethane Resins Derived from Tannin: Source, Synthesis, Characterisation, and Application. Forests, 2021, 12, 1516.	2.1	30

#	Article	IF	Citations
19	Wood Chemical Compositions of Raru Species Originating from Central Tapanuli, North Sumatra, Indonesia: Effect of Differences in Wood Species and Log Positions. Journal of the Korean Wood Science and Technology, 2021, 49, 416-429.	3.0	11
20	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. Polymers, 2021, 13, 4280.	4.5	42
21	Optimization of Microwave-Assisted Oxalic Acid Pretreatment of Oil Palm Empty Fruit Bunch for Production of Fermentable Sugars. Waste and Biomass Valorization, 2020, 11, 2673-2687.	3.4	29
22	Antimicrobial Imperata cylindrica paper coated with anionic nanocellulose crosslinked with cationic ions. International Journal of Biological Macromolecules, 2020, 164, 892-901.	7.5	13
23	Optimizing the Synthesis of Lignin Derivatives from Acacia mangium to Improve the Enzymatic Hydrolysis of Kraft Pulp Sorghum Bagasse. International Journal of Renewable Energy Development, 2020, 9, 227-235.	2.4	5
24	PLA/metal oxide biocomposites for antimicrobial packaging application. Polymer-Plastics Technology and Materials, 2020, 59, 1332-1342.	1.3	19
25	Utilization of Lignin from the Waste of Bioethanol Production as a Mortar Additive. Jurnal Sylva Lestari, 2020, 8, 326.	0.5	4
26	Pretreatment of Oil Palm Empty Fruit Bunch (OPEFB) at Bench-Scale High Temperature-Pressure Steam Reactor for Enhancement of Enzymatic Saccharification. International Journal of Renewable Energy Development, 2020, , .	2.4	0
27	Enzymatic Hydrolysis Performance of Biomass by the Addition of a Lignin Based Biosurfactant. Journal of the Korean Wood Science and Technology, 2020, 48, 651-665.	3.0	14
28	Optimization of application of natural rubber based API adhesive for the production of laminated wood. IOP Conference Series: Earth and Environmental Science, 2019, 374, 012007.	0.3	2
29	Anatomical observation and characterization on basic properties of Agarwood (Gaharu) as an Appendix II CITES. IOP Conference Series: Earth and Environmental Science, 2019, 374, 012062.	0.3	3
30	Microwave Assisted-Acid Hydrolysis of Jabon Kraft Pulp. Waste and Biomass Valorization, 2019, 10, 1503-1517.	3.4	9
31	Short Communication: Variation in chemical constituent of Styrax sumatrana wood growing at different cultivation site in North Sumatra, Indonesia. Biodiversitas, 2019, 20, 448-452.	0.6	5
32	Effect of Several Exterior Adhesive Types on Dimensional Stability of Bamboo Oriented Particleboard. Korean Journal of Materials Research, 2019, 29, 277-281.	0.2	4
33	Review on Bamboo Utilization as Biocomposites, Pulp and Bioenergy. IOP Conference Series: Earth and Environmental Science, 2018, 141, 012039.	0.3	5
34	Effect of particle treatment and adhesive type on physical, mechanical, and durability properties of particleboard made from Sorghum Bagasse. IOP Conference Series: Earth and Environmental Science, 2018, 126, 012016.	0.3	3
35	Thermal properties of polylactic acid/zinc oxide biocomposite films. AIP Conference Proceedings, 2018, , .	0.4	4
36	The effect of amphipilic lignin derivatives addition on enzymatic hydrolysis performance of kraft pulp from sorghum bagasse. IOP Conference Series: Earth and Environmental Science, 2018, 141, 012005.	0.3	3

#	Article	IF	Citations
37	The Improvement of Sugar and Bioethanol Production of Oil Palm Empty Fruit Bunches (Elaeis) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	19
38	Effect of Particle Pre-Treatment on Properties of Jatropha Fruit Hulls Particleboard. Journal of the Korean Wood Science and Technology, 2018, 46, 155-165.	3.0	12
39	Microwave Assisted Acid Pretreatment of Oil Palm Empty Fruit Bunches (EFB) to Enhance Its Fermentable Sugar Production. Waste and Biomass Valorization, 2017, 8, 379-391.	3.4	24
40	Reducing sugar production of sweet sorghum bagasse kraft pulp. AIP Conference Proceedings, 2017, , .	0.4	10
41	The physical, mechanical and durability properties of sorghum bagasse particleboard by layering surface treatment. Journal of the Indian Academy of Wood Science, 2017, 14, 1-8.	0.9	27
42	Post-treatment Effect of Particleboard on Dimensional Stability and Durability Properties of Particleboard Made From Sorghum Bagasse. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012015.	0.6	9
43	Disruption of Oil Palm Empty Fruit Bunches by Microwave-assisted Oxalic Acid Pretreatment. Journal of Mathematical and Fundamental Sciences, 2017, 49, 244.	0.5	20
44	Physical and Mechanical Properties of Three-layer Particleboards Bonded With UF and UMF Adhesives. Journal of the Korean Wood Science and Technology, 2017, 45, 787-796.	3.0	12
45	Fiber Disruption of Betung Bamboo (Dendrocalamus asper) by Combined Fungal and Microwave Pretreatment. Biotropia, 2016, 22, 81-94.	0.0	2
46	The Effect of Lignin Content and Freeness of Pulp on the Bioethanol Productivity of Jabon Wood. Waste and Biomass Valorization, 2016, 7, 1141-1146.	3.4	22
47	Lignin and Cellulose Changes of Betung Bamboo (Dendrocalamus asper) pretreated Microwave Heating. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 187.	0.4	18
48	Physical and Mechanical Properties of Local Styrax Woods from North Tapanuli in Indonesia. Journal of the Korean Wood Science and Technology, 2016, 44, 539-550.	3.0	7
49	The Kraft Pulp And Paper Properties of Sweet Sorghum Bagasse (Sorghum bicolor L Moench). Journal of Engineering and Technological Sciences, 2015, 47, 149-159.	0.6	26
50	The characteristic changes of betung bamboo (Dendrocalamus asper) pretreated by fungal pretreatment. International Journal of Renewable Energy Development, 2014, 3, 133-143.	2.4	18
51	Digestibility of Betung Bamboo Fiber Following Fungal Pretreatment. Makara Journal of Technology, 2014, 18, 51.	0.3	3
52	Digestibility of Betung Bamboo Fiber Following Fungal Pretreatment. Makara Journal of Technology, 2014, 18, 51.	0.3	6
53	Ambient curable natural rubber latex adhesive cross-linked with polymeric isocyanate for bonding wood. Polymer Bulletin, 0, , 1.	3.3	9