Mochamad Asrofi

List of Publications by Year
in descending order

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38 papers	1,934 citations	393982 19 h-index	476904 29 g-index
41 all docs	41 docs citations	41 times ranked	1043 citing authors

#	Article	IF	Citations
1	Filament-wound glass-fibre reinforced polymer composites: Potential applications for cross arm structure in transmission towers. Polymer Bulletin, 2023, 80, 1059-1084.	1.7	33
2	Effect of alkali treatment of piper betle fiber on tensile properties as biocomposite based polylactic acid: Solvent cast-film method. Materials Today: Proceedings, 2022, 48, 761-765.	0.9	11
3	Impact of Silane Treatment on Characterization of Ipomoea Staphylina Plant Fiber Reinforced Epoxy Composites. Journal of Natural Fibers, 2022, 19, 5888-5899.	1.7	52
4	Oxygen permeability properties of nanocellulose reinforced biopolymer nanocomposites. Materials Today: Proceedings, 2022, 52, 2414-2419.	0.9	16
5	Natural-Fiber-Reinforced Chitosan, Chitosan Blends and Their Nanocomposites for Various Advanced Applications. Polymers, 2022, 14, 874.	2.0	110
6	Potential of Flax Fiber Reinforced Biopolymer Composites for Cross-Arm Application in Transmission Tower: A Review. Fibers and Polymers, 2022, 23, 853-877.	1.1	23
7	Characteristic of composite bioplastics from tapioca starch and sugarcane bagasse fiber: Effect of time duration of ultrasonication (Bath-Type). Materials Today: Proceedings, 2021, 46, 1626-1630.	0.9	56
8	Tensile Strength and Moisture Resistance Properties of Biocomposite Films Based on Polyvinyl Alcohol (PVA) with Cellulose as Reinforcement from Durian Peel Fibers. E3S Web of Conferences, 2021, 302, 02001.	0.2	5
9	Development and Characterization of Roselle Nanocellulose and Its Potential in Reinforced Nanocomposites. , 2021, , 285-317.		1
10	Polylactic Acid (PLA) Biocomposite: Processing, Additive Manufacturing and Advanced Applications. Polymers, 2021, 13, 1326.	2.0	208
11	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. Polymers, 2021, 13, 4280.	2.0	42
12	Thermal, Biodegradability and Water Barrier Properties of Bio-Nanocomposites Based on Plasticised Sugar Palm Starch and Nanofibrillated Celluloses from Sugar Palm Fibres. Journal of Biobased Materials and Bioenergy, 2020, 14, 234-248.	0.1	94
13	Nanocellulose/Starch Biopolymer Nanocomposites: Processing, Manufacturing, and Applications. , 2020, , 65-88.		23
14	Nano-technologies and reinforcements. , 2020, , 185-205.		2
15	Characterization studies of biopolymeric matrix and cellulose fibres based composites related to functionalized fibre-matrix interface. , 2020, , 29-93.		43
16	Tensile Properties and Fracture Morphology of Polyethylene Terephthalate Mixed Rice Starch Particle Based Blend Composites. Material Science Research India, 2020, 17, 47-53.	0.9	3
17	The effect of temperature and volume fraction of mahoni (<i>Swietenia mahogani</i>) wood charcoal on SS400 steel using pack carburizing method: Study of hardness and microstructure characteristics. AIMS Materials Science, 2020, 7, 354-363.	0.7	7
18	ALAT SABLON UNTUK MENUNJANG TAMPILAN KEMASAN KRUPUK CUMI PADA KELOMPOK USAHA POKLAHSAR MANDIRI BANYUWANGI. SELAPARANG Jurnal Pengabdian Masyarakat Berkemajuan, 2020, 4, 542.	0.0	0

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19	Effect of sonication time on the thermal stability, moisture absorption, and biodegradation of water hyacinth (Eichhornia crassipes) nanocellulose-filled bengkuang (Pachyrhizus erosus) starch biocomposites. Journal of Materials Research and Technology, 2019, 8, 6223-6231.	2.6	128
20	Effect of sugar palm nanofibrillated cellulose concentrations on morphological, mechanical and physical properties of biodegradable films based on agro-waste sugar palm (Arenga pinnata (Wurmb.)) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	186
21	Properties of cellulose nanofiber/bengkoang starch bionanocomposites: Effect of fiber loading. LWT - Food Science and Technology, 2019, 116, 108554.	2.5	54
22	Comparative Study of the Physical and Tensile Properties of Jicama (Pachyrhizus erosus) Starch Film Prepared Using Three Different Methods. Starch/Staerke, 2019, 71, 1800224.	1.1	16
23	Characterization and properties of cellulose microfibers from water hyacinth filled sago starch biocomposites. International Journal of Biological Macromolecules, 2019, 137, 119-125.	3.6	44
24	Sugar palm (Arenga pinnata (Wurmb.) Merr) cellulosic fibre hierarchy: a comprehensive approach from macro to nano scale. Journal of Materials Research and Technology, 2019, 8, 2753-2766.	2.6	195
25	Mechanical and Microstructure Properties on Al-Cu Joint processed by Friction Stir Welding: The effect of Tilt Angle Tool. Material Science Research India, 2019, 16, 56-61.	0.9	6
26	Tensile, Thermal and Moisture Absorption Properties of Polyvinyl Alcohol (PVA) / Bengkuang (Pachyrhizus erosus) Starch Blend Films. Material Science Research India, 2019, 16, 70-75.	0.9	14
27	Characterization of Tapioca Starch Biopolymer Composites Reinforced with Micro Scale Water Hyacinth Fibers. Starch/Staerke, 2018, 70, 1700287.	1.1	62
28	Effect of vibration duration of high ultrasound applied to bio-composite while gelatinized on its properties. Ultrasonics Sonochemistry, 2018, 40, 697-702.	3.8	52
29	Effect of duration of sonication during gelatinization on properties of tapioca starch water hyacinth fiber biocomposite. International Journal of Biological Macromolecules, 2018, 108, 167-176.	3.6	79
30	Mechanical Properties of a Water Hyacinth Nanofiber Cellulose Reinforced Thermoplastic Starch Bionanocomposite: Effect of Ultrasonic Vibration during Processing. Fibers, 2018, 6, 40.	1.8	58
31	Isolation of Nanocellulose from Water Hyacinth Fiber (WHF) Produced via Digester-Sonication and Its Characterization. Fibers and Polymers, 2018, 19, 1618-1625.	1.1	71
32	Production of Nanocellulose from Pineapple Leaf Fibers via High-Shear Homogenization and Ultrasonication. Fibers, 2018, 6, 28.	1.8	149
33	KARAKTERISTIK SERAPAN UAP AIR DAN FTIR DARI BIOKOMPOSIT PATI TAPIOKA DIPERKUAT SERAT AKAR BUAH NAGA (HYLOCEREUS POLYRHIZUS). SPEKTRA Jurnal Fisika Dan Aplikasinya, 2018, 3, 1-6.	0.0	0
34	FTIR and Moisture Absorption of Yam Bean Starch Biocomposites with Yam Bean (Pachyrhizus erosus) Bagasse Fibers as Reinforcement. Jurnal Ilmu Dasar (jid), 2018, 19, 93.	0.2	1
35	Characterization of the microfibrillated cellulose from water hyacinth pulp after alkali treatment and wet blending. IOP Conference Series: Materials Science and Engineering, 2017, 204, 012018.	0.3	19
36	PENGARUH LAMA WAKTU PENGGETARAN ULTRASONIC BATH TERHADAP SIFAT MEKANIK DAN MORFOLOGI PATAHAN BIOKOMPOSIT PATI TAPIOKA/SERAT RAMI (BOEHMERIA NIVEA). Rotor, 2017, 10, 23.	0.0	0

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37	XRD and FTIR Studies of Nanocrystalline Cellulose from Water Hyacinth (<i>Eichornia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	38
38	Improvement of Biocomposite Properties Based Tapioca Starch and Sugarcane Bagasse Cellulose Nanofibers. Key Engineering Materials, 0, 849, 96-101.	0.4	33