

Mochamad Asrofi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,934
citations

393982

19
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476904

29
g-index

41
all docs

41
docs citations

41
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Polylactic Acid (PLA) Biocomposite: Processing, Additive Manufacturing and Advanced Applications. <i>Polymers</i> , 2021, 13, 1326.	2.0	208
2	Sugar palm (<i>Arenga pinnata</i> (Wurmb.) Merr) cellulosic fibre hierarchy: a comprehensive approach from macro to nano scale. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2753-2766.	2.6	195
3	Effect of sugar palm nanofibrillated cellulose concentrations on morphological, mechanical and physical properties of biodegradable films based on agro-waste sugar palm (<i>Arenga pinnata</i> (Wurmb.) Merr) Tj ETQq1 1 0.784314 1gBT /Over	2.6	195
4	Production of Nanocellulose from Pineapple Leaf Fibers via High-Shear Homogenization and Ultrasonication. <i>Fibers</i> , 2018, 6, 28.	1.8	149
5	Effect of sonication time on the thermal stability, moisture absorption, and biodegradation of water hyacinth (<i>Eichhornia crassipes</i>) nanocellulose-filled bengkuang (<i>Pachyrhizus erosus</i>) starch biocomposites. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6223-6231.	2.6	128
6	Natural-Fiber-Reinforced Chitosan, Chitosan Blends and Their Nanocomposites for Various Advanced Applications. <i>Polymers</i> , 2022, 14, 874.	2.0	110
7	Thermal, Biodegradability and Water Barrier Properties of Bio-Nanocomposites Based on Plasticised Sugar Palm Starch and Nanofibrillated Celluloses from Sugar Palm Fibres. <i>Journal of Biobased Materials and Bioenergy</i> , 2020, 14, 234-248.	0.1	94
8	Effect of duration of sonication during gelatinization on properties of tapioca starch water hyacinth fiber biocomposite. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 167-176.	3.6	79
9	Isolation of Nanocellulose from Water Hyacinth Fiber (WHF) Produced via Digester-Sonication and Its Characterization. <i>Fibers and Polymers</i> , 2018, 19, 1618-1625.	1.1	71
10	Characterization of Tapioca Starch Biopolymer Composites Reinforced with Micro Scale Water Hyacinth Fibers. <i>Starch/Staerke</i> , 2018, 70, 1700287.	1.1	62
11	Mechanical Properties of a Water Hyacinth Nanofiber Cellulose Reinforced Thermoplastic Starch Bionanocomposite: Effect of Ultrasonic Vibration during Processing. <i>Fibers</i> , 2018, 6, 40.	1.8	58
12	Characteristic of composite bioplastics from tapioca starch and sugarcane bagasse fiber: Effect of time duration of ultrasonication (Bath-Type). <i>Materials Today: Proceedings</i> , 2021, 46, 1626-1630.	0.9	56
13	Properties of cellulose nanofiber/bengkoang starch bionanocomposites: Effect of fiber loading. <i>LWT - Food Science and Technology</i> , 2019, 116, 108554.	2.5	54
14	Effect of vibration duration of high ultrasound applied to bio-composite while gelatinized on its properties. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 697-702.	3.8	52
15	Impact of Silane Treatment on Characterization of <i>Ipomoea Staphylina</i> Plant Fiber Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 5888-5899.	1.7	52
16	Characterization and properties of cellulose microfibers from water hyacinth filled sago starch biocomposites. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 119-125.	3.6	44
17	Characterization studies of biopolymeric matrix and cellulose fibres based composites related to functionalized fibre-matrix interface. , 2020, , 29-93.		43
18	A Comprehensive Review on Natural Fibers: Technological and Socio-Economical Aspects. <i>Polymers</i> , 2021, 13, 4280.	2.0	42

#	ARTICLE	IF	CITATIONS
19	XRD and FTIR Studies of Nanocrystalline Cellulose from Water Hyacinth (&i&tEichornia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS	0.1	38
20	Improvement of Biocomposite Properties Based Tapioca Starch and Sugarcane Bagasse Cellulose Nanofibers. Key Engineering Materials, 0, 849, 96-101.	0.4	33
21	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
22	Nanocellulose/Starch Biopolymer Nanocomposites: Processing, Manufacturing, and Applications. , 2020, , 65-88.		23
23	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
24	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
25	Comparative Study of the Physical and Tensile Properties of Jicama (<i>Pachyrhizus erosus</i>) Starch Film Prepared Using Three Different Methods. Starch/Staerke, 2019, 71, 1800224.	1.1	16
26	Oxygen permeability properties of nanocellulose reinforced biopolymer nanocomposites. Materials Today: Proceedings, 2022, 52, 2414-2419.	0.9	16
27	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
28	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
29	The effect of temperature and volume fraction of mahoni (&i&tSwietenia mahogani&i&t) 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
30	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
31	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
32	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
33	Nano-technologies and reinforcements. , 2020, , 185-205.		2
34	Development and Characterization of Roselle Nanocellulose and Its Potential in Reinforced Nanocomposites. , 2021, , 285-317.		1
35	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
36	PENGARUH LAMA WAKTU PENGGETARAN ULTRASONIC BATH TERHADAP SIFAT MEKANIK DAN MORFOLOGI PATAHAN BIKOMPOSIT PATI TAPIOKA/SERAT RAMI (BOEHMERIA NIVEA). Rotor, 2017, 10, 23.	0.0	0

#	ARTICLE	IF	CITATIONS
37	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
38	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