

Teuku Rihayat

List of Publications by Year in descending order

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papers

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docs citations

44
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of poly lactic acid (PLA)/nanochitosan based for bioscaffold materials with the addition of Zn-curcumin. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	2
2	Potentiality of Utilizing Woven Pineapple Leaf Fibre for Polymer Composites. <i>Polymers</i> , 2022, 14, 2744.	2.0	5
3	Physical and mechanical properties of bamboo/flax fibre reinforced epoxy composite water absorption behaviour and high-temperature conditions. <i>Plastics, Rubber and Composites</i> , 2021, 50, 415-424.	0.9	11
4	Biodegradation of Polylactic Acid-Based Bio Composites Reinforced with Chitosan and Essential Oils as Anti-Microbial Material for Food Packaging. <i>Polymers</i> , 2021, 13, 4019.	2.0	12
5	REMOVAL OF HG(II) METAL IONS USING KAOLIN ADSORBENTS MODIFIED WITH ANIONIC SURFACTANT AND EFFICIENT ULTRASONIC ASSISTED. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 72-84.	0.1	0
6	PROMOTION OF POLYLACTID ACID ECO-FRIENDLY BY COMBINED ADDITION OF PCL CATECHIN-CHITOSAN UNDER EXTRUDING CONDITION. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 85-96.	0.1	0
7	THERMAL BEHAVIOR IMPROVEMENT OF BIODEGRADABLE FIBER POLYMER COMPOSITES POLYLACTIC ACID (PLA)/COIR USING ACEH BENTONITE. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 97-108.	0.1	0
8	Optimization of Kaolin adsorbent to reduction iron metal ion using ultrasonic technology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 788, 012003.	0.3	0
9	Geraniol quality improvement on citronella oil as raw material for making anti-bacterial perfumes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 788, 012028.	0.3	3
10	EFFECT OF ZINC OXIDE NANOPARTICLES ON THE THERMAL, MECHANICAL AND WATER ABSORPTION PROPERTIES OF POLYLACTIC ACID/CHITOSAN COMPOSITES. <i>International Journal of Research -GRANTHAALAYAH</i> , 2020, 8, 15-23.	0.1	2
11	Development of Poly Lactic Acid/Kitosan Elastomer with Essential Oil Addition to Improved Performance Antibacterial Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 536, 012087.	0.3	0
12	Mechanical Properties, Morphology and Thermal Degradation of PCL (Poly ϵ -Caprolactone) Biodegradable Polymer Blended Nanocomposites with Aceh Bentonite as Filler. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 536, 012040.	0.3	1
13	A review of important considerations in the compression molding process of short natural fiber composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 3437-3450.	1.5	54
14	Important Considerations in Manufacturing of Natural Fiber Composites: A Review. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019, 6, 647-664.	2.7	64
15	Papain Enzyme and Lemon as Coagulants in Cottage Cheese. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 536, 012103.	0.3	1
16	Formulation of Polyurethane with Bentonite-Chitosan as Filler Applied to Carbon Steel as an Antibacterial and Environmentally Friendly Paint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 536, 012093.	0.3	7
17	Effect of Determination Temperature on Nutrition and Organoleptic Tuna Fish Floss. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 506, 012055.	0.3	1
18	Synthesis and characterization of poly (lactic acid)/chitosan nanocomposites based on renewable resources as biobased-material. <i>Journal of Physics: Conference Series</i> , 2018, 953, 012015.	0.3	8

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19	Adsorption and kinetics study of manganese (II) in waste water using vertical column method by sugar cane bagasse. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012025.	0.3	4
20	Synthesis and Characterization of Chitosan with Addition of Patchouli Oil to Improve Mechanical Properties Biofilm. Journal of Physics: Conference Series, 2018, 1116, 042001.	0.3	2
21	Processing and characterization of bentonite North Aceh as filler blend with chitosan to increase specific properties of PCL (poly ϵ -caprolactone). Journal of Physics: Conference Series, 2018, 1116, 042030.	0.3	0
22	High molecular chitosan-based seed shells (<i>Tachypleus gigas</i>) with silver nanoparticles as waste treatment of palm oil industry (pome). Journal of Physics: Conference Series, 2018, 1116, 042002.	0.3	0
23	Modification of PLA/PCL/Aceh's bentonite nanocomposites as biomedical materials. AIP Conference Proceedings, 2018, , .	0.3	13
24	Influence of coating polyurethane with mixture of bentonite and chitosan nanocomposites. AIP Conference Proceedings, 2018, , .	0.3	14
25	Poly lactic acid (PLA)/chitosan/bentonite nanocomposites based on cassava starch for materials in biomedical applications. AIP Conference Proceedings, 2018, , .	0.3	7
26	Purification process of jelantah oil using active charcoal kepok's banana. AIP Conference Proceedings, 2018, , .	0.3	10
27	Thermal degradation of Aceh's bentonite reinforced poly lactic acid (PLA) based on renewable resources for packaging application. AIP Conference Proceedings, 2018, , .	0.3	9
28	The ultrasound effect of cationic surfactant on the preparation of natural bentonite Nisam, North Aceh.. Journal of Physics: Conference Series, 2018, 953, 012013.	0.3	1
29	Determination of CEC value (Cation Exchange Capacity) of Bentonites from North Aceh and Bener Meriah, Aceh Province, Indonesia using three methods. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012054.	0.3	13
30	Influence of Selected Treatment on Tensile Properties of Short Pineapple Leaf Fiber Reinforced Tapioca Resin Biopolymer Composites. Journal of Polymers and the Environment, 2018, 26, 4271-4281.	2.4	31
31	Synthesis and innovation of PLA/clay nanocomposite characterization against to mechanical and thermal properties. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012047.	0.3	1
32	Composite material making from empty fruit bunches of palm oil (EFB) and Ijuk (Arengapinnata) using plastic bottle waste as adhesives. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012083.	0.3	2
33	Mechanical properties evaluation of single and hybrid composites polyester reinforced bamboo, PALF and coir fiber. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012081.	0.3	16
34	Synthesis, characterization and microbial protection of palm oil based polyurethane / bentonite / chitosan as paint and coating material. , 2017, , .		6
35	Improving the quality of biopolymer (poly lactic acid) with the addition of bentonite as filler. IOP Conference Series: Materials Science and Engineering, 2017, 222, 012008.	0.3	12
36	Synthesis of polyurethane/clay nanocomposites based palm oil polyol coating. Journal of Mechanical Engineering and Sciences, 2015, 9, 1580-1586.	0.3	12

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37	Preparation and Properties and Application of Renewable Source (Palm Oil Polyol) Based Polyurethanes Coatings and its Thermal Stability Improvement by Clay Nanocomposites. <i>Advanced Materials Research</i> , 2014, 887-888, 566-569.	0.3	10
38	Mechanical Characterisation of Polyurethane/Clay Nanocomposites. <i>Polymers and Polymer Composites</i> , 2007, 15, 647-652.	1.0	11
39	Synthesis and Thermal Characterization of Polyurethane/Clay Nanocomposites Based on Palm Oil Polyol. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 1323-1326.	1.9	16
40	Morphology Properties of Polyurethane/Clay Nanocomposites Base on Palm Oil Polyol Paint. <i>Advanced Materials Research</i> , 0, 647, 701-704.	0.3	10
41	Effects of Heat Treatment on the Properties of Polyurethane/Clay Nanocomposites Paint. <i>Applied Mechanics and Materials</i> , 0, 525, 97-100.	0.2	10
42	Synthesis and Characterization of North Aceh CEC Bentonite Determination with Methylene Blue Method and Increased D-Spacing after Addition of Surfactants CTAB-SDS. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 506, 012054.	0.3	3
43	Wound Dressing Based on Banana Peels Waste and Chitosan by Strengthening Lignin as Wound Healing Medicine. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 506, 012056.	0.3	14
44	Composition on Essential Oil Extraction from Lemongrass Fragrant by Microwave Air Hydro Distillation Method to Perfume Dermatitis Production. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 506, 012053.	0.3	8