MdRezaur Rahman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5817976/publications.pdf

Version: 2024-02-01

65	1,103	430442	454577
papers	citations	18 h-index	30 g-index

66	66	66	1084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization and characterization of acrylonitrile/MAPE/nano-clay bamboo nanocomposites by response surface methodology. Polymer Bulletin, 2022, 79, 3031-3059.	1.7	9
2	Characterization and optimization of mechanical properties of bamboo/nanoclay/polyvinyl alcohol/styrene nanocomposites using response surface methodology. Journal of Vinyl and Additive Technology, 2021, 27, 147-160.	1.8	8
3	Characterization study of flax/strontium titanate/polypropylene composite for lowâ€k dielectric applications. Journal of Applied Polymer Science, 2021, 138, 50577.	1.3	3
4	A Review Based on Low- and High-Stream Global Carbon Capture and Storage (CCS) Technology and Implementation Strategy. Journal of Applied Science & Process Engineering, 2021, 8, 722-737.	0.0	4
5	Interfacial polarization effects on dielectric properties in flax reinforced polypropylene/strontium titanate composites. Materials Chemistry and Physics, 2021, 265, 124489.	2.0	11
6	The effect of palm oil fuel ash (POFA) and polyvinyl alcohol (PVA) on the physico-mechanical, thermal and morphological properties of hybrid bio-composites. Polymer Bulletin, 2020, 77, 3523-3535.	1.7	7
7	Impact of polyvinyl alcohol/acrylonitrile on bamboo nanocomposite and optimization of mechanical performance by response surface methodology. Construction and Building Materials, 2020, 258, 119693.	3.2	14
8	Tert-butyl catechol/alkaline-treated kenaf/jute polyethylene hybrid composites: impact on physico-mechanical, thermal and morphological properties. Polymer Bulletin, 2019, 76, 763-784.	1.7	19
9	Recent developments in bamboo fiber-based composites: a review. Polymer Bulletin, 2019, 76, 2655-2682.	1.7	98
10	Formulation optimization and characterization of bamboo/polyvinyl alcohol/clay nanocomposite by response surface methodology. Composites Part B: Engineering, 2019, 176, 107297.	5.9	20
11	Cellulose fiber-reinforced thermosetting composites: impact of cyanoethyl modification on mechanical, thermal and morphological properties. Polymer Bulletin, 2019, 76, 4295-4311.	1.7	15
12	Potential of Borneo Acacia wood in fully biodegradable bio-compositesâ€™ commercial production and application. Polymer Bulletin, 2018, 75, 5333-5354.	1.7	18
13	Experimental evaluation of fatty acid composition influence on Jatropha biodiesel physicochemical properties. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	15
14	Impact of delignification on mechanical, morphological, and thermal properties of wood sawdust reinforced unsaturated polyester composites. Journal of Vinyl and Additive Technology, 2018, 24, 185-191.	1.8	6
15	Comparative studies of thermo-mechanical and morphological properties of polylactic acid/fumed silica/clay (1.28E) and polylactic acid/fumed silica/clay (1.34TCN) nanocomposites. Polymer Bulletin, 2018, 75, 135-147.	1.7	10
16	The effects of nanoclay and tin(IV) oxide nanopowder on morphological, thermoâ€mechanical properties of hexamethylene diisocyanate treated jute/bamboo/polyethylene hybrid composites. Journal of Vinyl and Additive Technology, 2018, 24, 358-366.	1.8	13
17	Dynamic Youngâ€™s Modulus and Moisture Content of Tropical Wood Species across Sap, Median, and Internal Wood Regions. BioResources, 2018, 13, .	0.5	1
18	Investigation of the Acoustic Properties of Chemically Impregnated Kayu Malam Wood Used for Musical Instrument. Advances in Materials Science and Engineering, 2018, 2018, 1-6.	1.0	3

#	Article	IF	Citations
19	Improved thermal properties of jute fiberâ€reinforced polyethylene nanocomposites. Polymer Composites, 2017, 38, 1266-1272.	2.3	7
20	Physical, Mechanical, Thermal and Morphology Properties of Biodegradable Polymer Nanocomposites and Its Comparison. MATEC Web of Conferences, 2017, 87, 03005.	0.1	2
21	Clay Dispersed Styrene-co-3-Trimethoxy Silyl Propyl Methacrylate Impregnated Kumpang Wood Polymer Nanocomposites: Impact on Mechanical and Morphological Properties. Procedia Engineering, 2017, 184, 529-537.	1.2	2
22	Variations in banana properties. Journal of Food Measurement and Characterization, 2017, 11, 1045-1055.	1.6	1
23	Effect of temperature to the properties of sago starch. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012039.	0.3	4
24	Impact of nanoclay dispersed phenol formaldehyde/fumed silica nanocomposites on physico-mechanical and thermal properties. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2
25	Physico-mechanical, thermal and morphological properties of furfuryl alcohol/2-ethylhexyl methacrylate/halloysite nanoclay wood polymer nanocomposites (WPNCs). Heliyon, 2017, 3, e00342.	1.4	13
26	Evaluation of Aluminium Dross as Adsorbent for Removal of Carcinogenic Congo Red Dye in Wastewater. IOP Conference Series: Materials Science and Engineering, 2017, 216, 012003.	0.3	1
27	Thermomechanical Properties of Jute/Bamboo Cellulose Composite and Its Hybrid Composites: The Effects of Treatment and Fiber Loading. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.0	45
28	Impact of Various pH Levels on 4-Methyl Catechol Treatment of Wood. BioResources, 2017, 12, .	0.5	0
29	PHYSICAL, MECHANICAL, MORPHOLOGICAL AND THERMAL ANALYSIS OF STYRENE-CO-GLYCIDYL METHACRYLATE / FUMED SILICA / CLAY NANOCOMPOSITES. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	1
30	Acoustic Properties of Syzygium sp., Dialium sp., Gymnostoma sp., and Sindora sp. Wood. BioResources, 2016, 11, .	0.5	3
31	Clay Dispersed Styrene-co-Glycidyl Methacrylate Impregnated Kumpang Wood Polymer Nanocomposites: Impact on Mechanical and Morphological Properties. BioResources, 2016, 11, .	0.5	1
32	4-Methylcatechol-treated Jute-Bamboo Hybrid Composites: Effects of pH on Thermo-Mechanical and Morphological Properties. BioResources, 2016, 11, .	0.5	9
33	Influence of Alkali Treatment on the Surface Area of Aluminium Dross. Advances in Materials Science and Engineering, 2016, 2016, 1-4.	1.0	12
34	Effect of clay content on the morphological, thermo-mechanical and chemical resistance properties of propionic anhydride treated jute fiber/polyethylene/nanoclay nanocomposites. Measurement: Journal of the International Measurement Confederation, 2016, 90, 404-411.	2.5	27
35	Acoustical, thermal, and morphological properties of zein reinforced oil palm empty fruit bunch fiber bioâ€composites. Journal of Applied Polymer Science, 2016, 133, .	1.3	18
36	Analysis of natural fiber polymer composites: Effects of alkaline treatment on sound absorption. Journal of Reinforced Plastics and Composites, 2016, 35, 703-711.	1.6	31

#	Article	IF	Citations
37	Impact of Maleic Anhydride, Nanoclay, and Silica on Jute Fiber-reinforced Polyethylene Biocomposites. BioResources, 2016, 11, .	0.5	6
38	An investigation of sound absorption coefficient on sisal fiber poly lactic acid bioâ€composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	18
39	POLYVINYL ALCOHOL/SILICA/CLAY COMPOSITES: EFFECT OF CLAY ON SURFACE MORPHOLOGY AND THERMO-MECHANICAL PROPERTIES. Jurnal Teknologi (Sciences and Engineering), 2015, 78, .	0.3	2
40	Study of Sound Absorption Coefficients and Characterization of Rice Straw Stem Fibers Reinforced Polypropylene Composites. BioResources, 2015, 10, .	0.5	33
41	Synthesis of Cotton from Tossa Jute Fiber and Comparison with Original Cotton. International Journal of Polymer Science, 2015, 2015, 1-4.	1.2	7
42	Physical, Mechanical, and Thermal Analysis of Polylactic Acid/Fumed Silica/Clay (1.28E) Nanocomposites. International Journal of Polymer Science, 2015, 2015, 1-8.	1.2	9
43	Synthesis and Characterization of Cellulose from Green Bamboo by Chemical Treatment with Mechanical Process. Journal of Chemistry, 2015, 2015, 1-6.	0.9	41
44	Physical, Mechanical, and Thermal Properties of Wood Flour Reinforced Maleic Anhydride Grafted Unsaturated Polyester (UP) Biocomposites. BioResources, 2015, 10, .	0.5	6
45	Impact of nanoclay on physicomechanical and thermal analysis of polyvinyl alcohol/fumed silica/clay nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	1.3	12
46	Bamboo fiber polypropylene composites: Effect of fiber treatment and nano clay on mechanical and thermal properties. Journal of Vinyl and Additive Technology, 2015, 21, 253-258.	1.8	28
47	Effect of fiber treatment and nanoclay on the tensile properties of jute fiber reinforced polyethylene/clay nanocomposites. Fibers and Polymers, 2015, 16, 479-485.	1.1	41
48	Dielectric Properties of Lignocellulosic Fibers Reinforced Polymer Composites: Effect of Fiber Loading and Alkaline Treatment. Materials Today: Proceedings, 2015, 2, 2757-2766.	0.9	30
49	Processing and Characterization of Epoxy/Luffa Composites: Investigation on Chemical Treatment of Fibers on Mechanical and Acoustical Properties. BioResources, 2014, 9, .	0.5	22
50	Investigation of Fiber Surface Treatment on Mechanical, Acoustical and Thermal Properties of Betelnut Fiber Polyester Composites. Procedia Engineering, 2014, 97, 545-554.	1.2	75
51	Comparative Study of Dielectric Properties of Hybrid Natural Fiber Composites. Procedia Engineering, 2014, 97, 536-544.	1.2	105
52	Effect of bleaching condition on thermal properties and UV transmittance of PVA/cellulose biocomposites. Materials Research Innovations, 2014, 18, S6-400-S6-404.	1.0	18
53	Water absorption properties of kenaf fibreâ€“poly(vinyl alcohol) composites. Materials Research Innovations, 2014, 18, S6-144-S6-146.	1.0	10
54	DIELECTRIC PROPERTIES OF MALEIC ANHYDRIDE MODIFIED UNSATURATED POLYESTER COMPOSITES REINFORCED WITH CHICKEN FEATHER FIBRE. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1971-1979.	0.5	1

#	Article	IF	Citations
55	Study on thermal and biodegradation resistance of tropical wood material composites. Journal of Applied Polymer Science, 2013, 128, 1842-1847.	1.3	5
56	Comparative Study of Dielectric Properties of Chicken Feather/Kenaf Fiber Reinforced Unsaturated Polyester Composites. BioResources, 2013, 8, .	0.5	26
57	Tropical wood polymer nanocomposite (WPNC): The impact of nanoclay on dynamic mechanical thermal properties. Composites Science and Technology, 2012, 72, 1995-2001.	3.8	49
58	Effect of coupling reactions on the mechanical and biological properties of tropical wood polymer composites (WPC). International Biodeterioration and Biodegradation, 2012, 72, 108-113.	1.9	33
59	Dimensional Stability and Dynamic Youngâ€™s Modulus of Tropical Light Hardwood Chemically Treated with Methyl Methacrylate in Combination with Hexamethylene Diisocyanate Cross-Linker. Industrial & Engineering Chemistry Research, 2011, 50, 3900-3906.	1.8	40
60	Thermogravimetric analysis and dynamic Young's modulus measurement of N,Nâ€dimethylacetamideâ€impregnated wood polymer composites. Journal of Vinyl and Additive Technology, 2011, 17, 177-183.	1.8	26
61	Structural analysis and dynamic Young's modulus measurement of selected tropical wood polymer composites. Materials Science and Technology, 2010, 26, 1073-1078.	0.8	1
62	Investigation on Sound Absorption Coefficients of Betel Nut Fiber Reinforced Polymer Matrix Composites. Applied Mechanics and Materials, 0, 465-466, 901-905.	0.2	0
63	Thermal Stability and Decay Resistance Properties of Tropical Wood Polymer Nanocomposites (WPNC). Advanced Materials Research, 0, 667, 482-489.	0.3	5
64	Fabrication of Chemically Treated Natural Fibre Reinforced Polymer Matrix Composites and Measurement of its Sound Absorption Coefficients to Regulate Industrial Noise. Applied Mechanics and Materials, 0, 465-466, 896-900.	0.2	0
65	Synthesis and Characterization of Epoxy Resin Reinforced with Luffa Fiber Composites for Sound Absorption. Applied Mechanics and Materials, 0, 624, 36-41.	0.2	0