

E S Zainudin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

5,129
citations

38
h-index

66
g-index

176
ext. papers

6,335
ext. citations

2.9
avg, IF

6.28
L-index

#	Paper	IF	Citations
169	Effect of stacking sequence and fiber content on mechanical and morphological properties of woven kenaf/polyester fiber reinforced polylactic acid (PLA) hybrid laminated composites. <i>Journal of Materials Research and Technology</i> , 2022 , 16, 1190-1201	5.5	0
168	Physical, Mechanical, and Morphological Performances of Arrowroot () Fiber Reinforced Arrowroot Starch Biopolymer Composites.. <i>Polymers</i> , 2022 , 14,	4.5	1
167	Natural Fiber-Reinforced Polylactic Acid, Polylactic Acid Blends and Their Composites for Advanced Applications.. <i>Polymers</i> , 2022 , 14,	4.5	32
166	Introduction to nanocellulose production from biological waste 2022 , 1-37		0
165	Natural-Fiber-Reinforced Chitosan, Chitosan Blends and Their Nanocomposites for Various Advanced Applications.. <i>Polymers</i> , 2022 , 14,	4.5	22
164	Thermal, flammability, and antimicrobial properties of arrowroot (Maranta arundinacea) fiber reinforced arrowroot starch biopolymer composites for food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2022 , 213, 1-10	7.9	0
163	Physical, Mechanical, and Morphological Properties of Treated Sugar Palm/Glass Reinforced Poly(Lactic Acid) Hybrid Composites. <i>Polymers</i> , 2021 , 13,	4.5	3
162	A Review on Mechanical Performance of Hybrid Natural Fiber Polymer Composites for Structural Applications. <i>Polymers</i> , 2021 , 13,	4.5	39
161	Effect of winding orientation on energy absorption and failure modes of filament wound kenaf/glass fibre reinforced epoxy hybrid composite tubes under intermediate-velocity impact (IVI) load. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 1-14	5.5	18
160	Recent development in kenaf (Hibiscus cannabinus)-based biocomposites and their potential industrial applications: A review 2021 , 329-368		
159	Corn Starch () Biopolymer Plastic Reaction in Combination with Sorbitol and Glycerol. <i>Polymers</i> , 2021 , 13,	4.5	19
158	Thermogravimetric Analysis Properties of Cellulosic Natural Fiber Polymer Composites: A Review on Influence of Chemical Treatments. <i>Polymers</i> , 2021 , 13,	4.5	33
157	Mechanical Performance and Applications of CNTs Reinforced Polymer Composites-A Review. <i>Nanomaterials</i> , 2021 , 11,	5.4	26
156	Mechanical Properties of Sugar Palm (Wurmb. Merr)/Glass Fiber-Reinforced Poly(lactic acid) Hybrid Composites for Potential Use in Motorcycle Components. <i>Polymers</i> , 2021 , 13,	4.5	5
155	Characterization of Corn Fiber-Filled Cornstarch Biopolymer Composites 2020 , 285-301		0
154	Sugar palm (Arenga pinnata [Wurmb.] Merr) starch films containing sugar palm nanofibrillated cellulose as reinforcement: Water barrier properties. <i>Polymer Composites</i> , 2020 , 41, 459-467	3	93
153	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	1.4	71

152	Preparation and characterization of cornhusk/sugar palm fiber reinforced Cornstarch-based hybrid composites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 200-211	5.5	33
151	The crashworthiness performance of stacking sequence on filament wound hybrid composite energy absorption tube subjected to quasi-static compression load. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 654-666	5.5	21
150	Crashworthiness performance of hybrid kenaf/glass fiber reinforced epoxy tube on winding orientation effect under quasi-static compression load. <i>Defence Technology</i> , 2020 , 16, 1051-1061	3	14
149	Energy behavior assessment of rice husk fibres reinforced polymer composite. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 383-393	5.5	12
148	Low Velocity Impact and Internal Pressure Behaviors of Unaged E-Glass and S-Glass/Epoxy Composite Elbow Pipe Joints. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 04020043	1.5	1
147	Natural Polylactic Acid-Based Fiber Composites: A Review 2020 , 21-34		4
146	Processing and Characterization of Cornstalk/Sugar Palm Fiber Reinforced Cornstarch Biopolymer Hybrid Composites 2020 , 35-46		1
145	Characterisation of the tensile and fracture properties of filament wound natural fibre rings 2020 ,		1
144	Effectiveness of Alkali and Sodium Bicarbonate Treatments on Sugar Palm Fiber: Mechanical, Thermal, and Chemical Investigations. <i>Journal of Natural Fibers</i> , 2020 , 17, 877-889	1.8	34
143	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) starch. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 4819-4830	5.5	137
142	Improved Interlaminar Shear Behaviour of a New Hybrid Kevlar/Cocos Nucifera Sheath Composites with Graphene Nanoplatelets Modified Epoxy Matrix. <i>Fibers and Polymers</i> , 2019 , 20, 1749-1753	2	13
141	Development of Photovoltaic Module with Fabricated and Evaluated Novel Backsheet-Based Biocomposite Materials. <i>Materials</i> , 2019 , 12,	3.5	8
140	Polymer matrix materials selection for short sugar palm composites using integrated multi criteria evaluation method. <i>Composites Part B: Engineering</i> , 2019 , 176, 107342	10	15
139	Automated spray up process for Pineapple Leaf Fibre hybrid biocomposites. <i>Composites Part B: Engineering</i> , 2019 , 177, 107306	10	19
138	Analysis on the Impact Behaviors of E and S-glass Composite Elbow Pipe Joints Exposed to Impact Loading Followed by Axial Compression. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2019 , 9, 14-25	0.5	
137	Material selection of natural fibre using a stepwise regression model with error analysis. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2865-2879	5.5	22
136	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	5.5	152
135	Improved Mechanical and Moisture-Resistant Properties of Woven Hybrid Epoxy Composites by Graphene Nanoplatelets (GNP). <i>Materials</i> , 2019 , 12,	3.5	22

134	Effect of graphene nanoplatelets on the ballistic performance of hybrid Kevlar/Cocos nucifera sheath-reinforced epoxy composites. <i>Textile Research Journal</i> , 2019 , 89, 4349-4362	1.7	19
133	Thermal degradation and viscoelastic properties of Kevlar/Cocos nucifera sheath reinforced epoxy hybrid composites. <i>Composite Structures</i> , 2019 , 219, 194-202	5.3	38
132	Hybrid and Nonhybrid Laminate Composites of Sugar Palm and Glass Fibre-Reinforced Polypropylene: Effect of Alkali and Sodium Bicarbonate Treatments. <i>International Journal of Polymer Science</i> , 2019 , 2019, 1-12	2.4	9
131	The effect of different linear robot travel speed on mass flowrate of pineapple leaf fibre (PALF) automated spray up composite. <i>Composites Part B: Engineering</i> , 2019 , 156, 220-228	10	4
130	Physical, thermal, morphological, and tensile properties of cornstarch-based films as affected by different plasticizers. <i>International Journal of Food Properties</i> , 2019 , 22, 925-941	3	34
129	Potential of using multiscale corn husk fiber as reinforcing filler in cornstarch-based biocomposites. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 596-604	7.9	31
128	Lightweight and Durable PVDF-SSPF Composites for Photovoltaics Backsheet Applications: Thermal, Optical and Technical Properties. <i>Materials</i> , 2019 , 12,	3.5	18
127	Tensile, physical and morphological properties of oil palm empty fruit bunch/sugarcane bagasse fibre reinforced phenolic hybrid composites. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 3466-3474	5.5	43
126	Polyvinyl fluoride (PVF); Its Properties, Applications, and Manufacturing Prospects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 538, 012010	0.4	3
125	Physical and mechanical properties of polyvinylidene fluoride - Short sugar palm fiber nanocomposites. <i>Journal of Cleaner Production</i> , 2019 , 235, 473-482	10.3	35
124	Enhanced Thermal and Dynamic Mechanical Properties of Synthetic/Natural Hybrid Composites with Graphene Nanoplatelets. <i>Polymers</i> , 2019 , 11,	4.5	65
123	Degradation and physical properties of sugar palm starch/sugar palm nanofibrillated cellulose bionanocomposite. <i>Polimery</i> , 2019 , 64, 680-689	3.4	54
122	Integration of Taguchi-Grey relational analysis technique in parameter process optimization for rice husk composite 2019 , 14, 1110-1126		6
121	Extraction, chemical composition, and characterization of potential lignocellulosic biomasses and polymers from corn plant parts. <i>BioResources</i> , 2019 , 14, 6485-6500	1.3	16
120	Hoop tensile strength behaviour between different thicknesses E-glass and S-glass FRP rings. <i>AIMS Materials Science</i> , 2019 , 6, 315-327	1.9	2
119	Material Selection of a Natural Fibre Reinforced Polymer Composites using an Analytical Approach. <i>Journal of Renewable Materials</i> , 2019 , 7, 1165-1179	2.4	2
118	2. Corn (maize) Its fibers, polymers, composites, and applications: A review 2019 , 13-36		0
117	Photovoltaic applications: Status and manufacturing prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 102, 318-332	16.2	50

116	Sugar palm nanofibrillated cellulose (<i>Arenga pinnata</i> (Wurmb.) Merr): Effect of cycles on their yield, physic-chemical, morphological and thermal behavior. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 379-388	7.9	154
115	Mechanical and moisture diffusion behaviour of hybrid Kevlar/ <i>Cocos nucifera</i> sheath reinforced epoxy composites. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1308-1318	5.5	34
114	Evaluation of ballistic performance of hybrid Kevlar/ <i>Cocos nucifera</i> sheath reinforced epoxy composites. <i>Journal of the Textile Institute</i> , 2019 , 110, 1179-1189	1.5	17
113	Modification of Oil Palm Empty Fruit Bunch and Sugarcane Bagasse Biomass as Potential Reinforcement for Composites Panel and Thermal Insulation Materials. <i>Journal of Bionic Engineering</i> , 2019 , 16, 175-188	2.7	30
112	Hybrid reinforced thermoset polymer composite in energy absorption tube application: A review. <i>Defence Technology</i> , 2018 , 14, 291-305	3	81
111	The effect of pulling speed on mechanical properties of pultruded kenaf fiber reinforced vinyl ester composites. <i>Journal of Vinyl and Additive Technology</i> , 2018 , 24, E13-E20	2	4
110	Sugar palm nanocrystalline cellulose reinforced sugar palm starch composite: Degradation and water-barrier properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012006	0.4	50
109	Introduction to Natural Fiber Reinforced Vinyl Ester and Vinyl Polymer Composites 2018 , 1-25		10
108	The effects of alkali treatment on the mechanical and chemical properties of pineapple leaf fibres (PALF) and adhesion to epoxy resin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012035	0.4	22
107	Characterization of Sugar Palm Nanocellulose and Its Potential for Reinforcement with a Starch-Based Composite 2018 , 189-220		13
106	Sugar Palm Fiber Reinforced Polymer Hybrid Composites: An Overview 2018 , 145-164		3
105	Nanocrystalline Cellulose as Reinforcement for Polymeric Matrix Nanocomposites and its Potential Applications: A Review. <i>Current Analytical Chemistry</i> , 2018 , 14, 203-225	1.7	163
104	Thermal and physicochemical properties of sugar palm fibre treated with borax. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012038	0.4	4
103	Properties and Common Industrial Applications of Polyvinyl fluoride (PVF) and Polyvinylidene fluoride (PVDF). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 409, 012021	0.4	11
102	Distribution of zinc oxide nanoparticles on unbleached and bleached bamboo paper via in-situ approaches. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012046	0.4	1
101	Review of Kenaf Reinforced Hybrid Biocomposites: Potential for Defence Applications. <i>Current Analytical Chemistry</i> , 2018 , 14, 226-240	1.7	8
100	Investigate of wave absorption performance for oil palm frond and empty fruit bunch at 5.8 GHz. <i>Journal of Fundamental and Applied Sciences</i> , 2018 , 9, 335		
99	Selection of Natural Fiber for Hybrid Kevlar/Natural Fiber Reinforced Polymer Composites for Personal Body Armor by Using Analytical Hierarchy Process. <i>Frontiers in Materials</i> , 2018 , 5,	4	11

98	Development and characterization of sugar palm nanocrystalline cellulose reinforced sugar palm starch bionanocomposites. <i>Carbohydrate Polymers</i> , 2018 , 202, 186-202	10.3	256
97	Material selection criteria for natural fibre composite in automotive component:A review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012002	0.4	3
96	A Statistical Framework for Selecting Natural Fibre Reinforced Polymer Composites Based on Regression Model. <i>Fibers and Polymers</i> , 2018 , 19, 1039-1049	2	9
95	Optimization Method of Injection Molding Parameters for Vinyl-Based Polymer Composites 2018 , 97-108		0
94	Exploration on compatibilizing effect of nonionic, anionic, and cationic surfactants on mechanical, morphological, and chemical properties of high-density polyethylene/low-density polyethylene/cellulose biocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2017 , 30, 855-884	1.9	7
93	The effect of different fibre volume fraction on mechanical properties of banana/pineapple leaf (PaLF)/glass hybrid composite 2017 ,		4
92	Effect of delignification on the physical, thermal, chemical, and structural properties of sugar palm fibre. <i>BioResources</i> , 2017 , 12, 8734-8754	1.3	134
91	A Review of Rice Husk Bio-Based Composites. <i>Current Organic Synthesis</i> , 2017 , 14, 263-271	1.9	8
90	Effect of fibre orientations on the mechanical properties of kenaf/aramid hybrid composites for spall-liner application. <i>Defence Technology</i> , 2016 , 12, 52-58	3	117
89	Thermo-physical, thermal degradation, and flexural properties of betel nut husk fiber reinforced vinyl ester composites. <i>Polymer Composites</i> , 2016 , 37, 2008-2017	3	9
88	Investigating ballistic impact properties of woven kenaf-aramid hybrid composites. <i>Fibers and Polymers</i> , 2016 , 17, 275-281	2	38
87	Measurement of ballistic impact properties of woven kenaf/aramid hybrid composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 77, 335-343	4.6	40
86	Effect of filler loading on mechanical properties of pultruded kenaf fibre reinforced vinyl ester composites. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1931-1942	2	23
85	Sugar Palm Fibre and its Composites: A Review of Recent Developments. <i>BioResources</i> , 2016 , 11,	1.3	17
84	Water Absorption Behaviour and Impact Strength of Kenaf-Kevlar Reinforced Epoxy Hybrid Composites. <i>Advanced Composites Letters</i> , 2016 , 25, 096369351602500	1.2	17
83	Investigating morphological and performance deterioration of injection-molded rice husk/polypropylene composites due to various liquid uptakes. <i>International Journal of Polymer Analysis and Characterization</i> , 2016 , 21, 675-685	1.7	29
82	Mechanical and morphological properties of injection-molded rice husk polypropylene composites. <i>International Journal of Polymer Analysis and Characterization</i> , 2016 , 21, 305-313	1.7	50
81	Optimization and numerical simulation analysis for molded thin-walled parts fabricated using wood-filled polypropylene composites via plastic injection molding. <i>Polymer Engineering and Science</i> , 2015 , 55, 1082-1095	2.3	13

80	The influence of multiscale fillers on the rheological and mechanical properties of carbon-nanotube/silica-reinforced epoxy composite. <i>Materials and Design</i> , 2015 , 88, 227-235	8.1	30
79	Pultrusion Process of Natural Fibre-Reinforced Polymer Composites 2015 , 217-231		8
78	Processability of Wood Fibre-Filled Thermoplastic Composite Thin-Walled Parts Using Injection Moulding 2015 , 351-367		1
77	Effect of layering sequence and chemical treatment on the mechanical properties of woven kenaf/ramid hybrid laminated composites. <i>Materials & Design</i> , 2015 , 67, 173-179		186
76	Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-8	2.4	2
75	Implementation of the expert decision system for environmental assessment in composite materials selection for automotive components. <i>Journal of Cleaner Production</i> , 2015 , 107, 557-567	10.3	44
74	Optimization of Pultrusion Process for Kenaf Fibre Reinforced Vinyl Ester Composites. <i>Applied Mechanics and Materials</i> , 2015 , 761, 499-503	0.3	4
73	The effect of gelation and curing temperatures on mechanical properties of pultruded kenaf fibre reinforced vinyl ester composites. <i>Fibers and Polymers</i> , 2015 , 16, 2645-2651	2	5
72	Growth of carbon nanotubes on silica microparticles and their effects on mechanical properties of polypropylene nanocomposites. <i>Materials & Design</i> , 2015 , 69, 181-189		9
71	Effects of kenaf contents and fiber orientation on physical, mechanical, and morphological properties of hybrid laminated composites for vehicle spall liners. <i>Polymer Composites</i> , 2015 , 36, 1469-1476	2.76	31
70	Mechanical characterization of epoxy composite with multiscale reinforcements: Carbon nanotubes and short carbon fibers. <i>Materials & Design</i> , 2014 , 60, 34-40		117
69	Numerical simulation analysis of the in-cavity residual stress distribution of lignocellulosic (wood) polymer composites used in shallow thin-walled parts formed by the injection moulding process. <i>Materials & Design</i> , 2014 , 55, 381-386		18
68	Conceptual design of kenaf fiber polymer composite automotive parking brake lever using integrated TRIZ/Morphological Chart/Analytic Hierarchy Process method. <i>Materials & Design</i> , 2014 , 54, 473-482		74
67	Mechanical performance of woven kenaf-Kevlar hybrid composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 2242-2254	2.9	88
66	Quasi-static penetration and ballistic properties of kenaf/ramid hybrid composites. <i>Materials & Design</i> , 2014 , 63, 775-782		63
65	Physico-chemical and Thermal Properties of Starch Derived from Sugar Palm Tree (<i>Arenga pinnata</i>). <i>Asian Journal of Chemistry</i> , 2014 , 26, 955-959	0.4	23
64	BIODEGRADABILITY AND MECHANICAL BEHAVIOUR OF SUGAR PALM STARCH BASED BIOPOLYMER. <i>American Journal of Applied Sciences</i> , 2014 , 11, 1836-1840	0.8	2
63	Compatibilization of HDPE/agar biocomposites with eutectic-based ionic liquid containing surfactant. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 440-453	2.9	17

62	Effect of Post Curing, Fibre Content and Resin-Hardener Mixing Ratio on the Properties of Kenaf-Aramid Hybrid Composites. <i>Applied Mechanics and Materials</i> , 2014 , 548-549, 7-11	0.3	1
61	Rigidity Analysis of Kenaf Thermoplastic Composites Using Halpin-Tsai Equation. <i>Applied Mechanics and Materials</i> , 2014 , 548-549, 29-33	0.3	3
60	POLYMER COMPOSITE MANUFACTURING USING A PULTRUSION PROCESS: A REVIEW. <i>American Journal of Applied Sciences</i> , 2014 , 11, 1798-1810	0.8	47
59	The Effect of Additives on Bending Strenght of Pultruded Hybrid Reinforced Resol Type Phenolic Composite. <i>Applied Mechanics and Materials</i> , 2014 , 564, 418-421	0.3	3
58	Effect of coir fiber loading on mechanical and morphological properties of oil palm fibers reinforced polypropylene composites. <i>Polymer Composites</i> , 2014 , 35, 1418-1425	3	64
57	Selection of Natural Fibre for Hybrid Laminated Composites Vehicle Spall Liners Using Analytical Hierarchy Process (AHP). <i>Applied Mechanics and Materials</i> , 2014 , 564, 400-405	0.3	15
56	Numerical Simulation on Moulded Thin-Walled Parts via Injection Moulding Process. <i>Applied Mechanics and Materials</i> , 2014 , 575, 73-77	0.3	
55	Thermoplastic Matrix Material Selection Using Multi Criteria Decision Making Method for Hybrid Polymer Composites. <i>Applied Mechanics and Materials</i> , 2014 , 564, 439-443	0.3	3
54	Characterization of physical, mechanical, thermal and morphological properties of agro-waste betel nut (Areca catechu) husk fibre. <i>Journal of Cleaner Production</i> , 2014 , 72, 174-180	10.3	108
53	Tensile, Electrical Conductivity, and Morphological Properties of Carbon Black Billed Epoxy Composites. <i>International Journal of Polymer Analysis and Characterization</i> , 2013 , 18, 329-338	1.7	22
52	Hybrid natural and glass fibers reinforced polymer composites material selection using Analytical Hierarchy Process for automotive brake lever design. <i>Materials & Design</i> , 2013 , 51, 484-492		139
51	An investigation of the processability of natural fibre reinforced polymer composites on shallow and flat thin-walled parts by injection moulding process. <i>Materials & Design</i> , 2013 , 50, 451-456		28
50	Mechanical and thermal properties of environmentally friendly composites derived from sugar palm tree. <i>Materials & Design</i> , 2013 , 49, 285-289		107
49	Determiration of pulverized material permittivity for microwave absorber application 2013 ,		1
48	Shrinkages and warpage in the processability of wood-filled polypropylene composite thin-walled parts formed by injection molding. <i>Materials & Design</i> , 2013 , 52, 1018-1026		64
47	Synthesis of vertically aligned carbon nanotubes on carbon fiber. <i>Applied Surface Science</i> , 2013 , 271, 4246-428		47
46	Effect of Fibre Surface Modification on Properties of Kenaf/Poly(vinyl alcohol) Composite Film. <i>Journal of Biobased Materials and Bioenergy</i> , 2013 , 7, 95-101	1.4	13
45	Dynamic Mechanical Properties of Activated Carbon Billed Epoxy Nanocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2013 , 18, 247-256	1.7	26

44	Thermo-mechanical behaviors of thermoplastic starch derived from sugar palm tree (<i>Arenga pinnata</i>). <i>Carbohydrate Polymers</i> , 2013 , 92, 1711-6	10.3	87
43	Effect of Water Absorption on Mechanical Properties of Sugar Palm Fibre Reinforced Sugar Palm Starch (SPF/SPS) Biocomposites. <i>Journal of Biobased Materials and Bioenergy</i> , 2013 , 7, 90-94	1.4	14
42	Physical and thermal properties of microwave-dried wood lumber impregnated with phenol formaldehyde resin. <i>Journal of Composite Materials</i> , 2013 , 47, 3565-3571	2.7	8
41	Effect of Alkali Treatment on the Tensile Behavior and Structure of Betel Nut (<i>Areca catechu</i>) Husk Fiber. <i>Advanced Materials Research</i> , 2013 , 701, 239-242	0.5	1
40	Creep Test of Type Austenitic 316L Stainless Steel at High Temperature. <i>Applied Mechanics and Materials</i> , 2013 , 368-370, 708-711	0.3	1
39	Mechanical properties and water absorption behavior of hybridized kenaf/pineapple leaf fibre-reinforced high-density polyethylene composite. <i>Journal of Composite Materials</i> , 2013 , 47, 979-990 ^{2.7}	2.7	82
38	Influence of fiber content on the mechanical and thermal properties of Kenaf fiber reinforced thermoplastic polyurethane composites. <i>Materials & Design</i> , 2012 , 40, 299-303		219
37	Thermal property determination of hybridized kenaf/PALF reinforced HDPE composite by thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 893-900	4.1	30
36	Effect of alkali treatment on mechanical and thermal properties of Kenaf fiber-reinforced thermoplastic polyurethane composite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 1435-1443 ^{4.1}	4.1	63
35	Effect of length on crashworthiness parameters and failure modes of steel and hybrid tube made by steel and GFRP under low velocity impact. <i>International Journal of Crashworthiness</i> , 2012 , 17, 319-325 ¹		12
34	Exploring the Potential of Betel Nut Husk Fiber as Reinforcement in Polymer Composites: Effect of Fiber Maturity. <i>Procedia Chemistry</i> , 2012 , 4, 87-94		34
33	A New Approach to Use <i>Arenga Pinnata</i> as Sustainable Biopolymer: Effects of Plasticizers on Physical Properties. <i>Procedia Chemistry</i> , 2012 , 4, 254-259		33
32	Flexural and impact properties of chemically treated sugar palm fiber reinforced high impact polystyrene composites. <i>Fibers and Polymers</i> , 2012 , 13, 894-898	2	22
31	Effect of pMDI isocyanate additive on mechanical and thermal properties of Kenaf fibre reinforced thermoplastic polyurethane composites. <i>Bulletin of Materials Science</i> , 2012 , 35, 1151-1155	1.7	11
30	The Flexural, Impact and Thermal Properties of Untreated Short Sugar Palm Fibre Reinforced High Impact Polystyrene (HIPS) Composites. <i>Polymers and Polymer Composites</i> , 2012 , 20, 493-502	0.8	15
29	Sugar Palm Tree: A Versatile Plant and Novel Source for Biofibres, Biomatrices, and Biocomposites. <i>Polymers From Renewable Resources</i> , 2012 , 3, 61-78	0.4	18
28	Influence of chemical treatment on the tensile properties of kenaf fiber reinforced thermoplastic polyurethane composite. <i>EXPRESS Polymer Letters</i> , 2012 , 6, 1032-1040	3.4	66
27	Study of Hybridized Kenaf/Palf-Reinforced Hdpe Composites by Dynamic Mechanical Analysis. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 146-153		14

26	Effect of Accelerated Weathering on Tensile Properties of Kenaf Reinforced High-Density Polyethylene Composites. <i>Journal of Mechanical Engineering and Sciences</i> , 2012 , 2, 198-205	2	10
25	Development of Biocomposite Wall Cladding from Kenaf Fibre by Extrusion Molding Process. <i>Key Engineering Materials</i> , 2011 , 471-472, 239-244	0.4	2
24	Nanotechnology in Pulp and Paper Industries: A Review. <i>Key Engineering Materials</i> , 2011 , 471-472, 251-256	4	7
23	Axial behavior of steel tube wrapped by composite as energy absorber under compressive load 2011 ,		3
22	Effect of Fiber Loading on the Mechanical Properties of Kenaf Fiber Reinforced Thermoplastic Polyurethane Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 1058-1063	0.4	9
21	Optimizing Processing Parameters and Fiber Size for Kenaf Fiber Reinforced Thermoplastic Polyurethane Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 297-302	0.4	6
20	Electron beam cross-linking of hybridized kenaf/pineapple leaf fiber-reinforced high-density polyethylene composite with and without cross-linking agents. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 1827-1838	2.9	4
19	Tensile and Flexural Behavior of Hybrid Banana Pseudostem/Glass Fibre Reinforced Polyester Composites. <i>Key Engineering Materials</i> , 2011 , 471-472, 686-691	0.4	7
18	The Effect of Aging Temperature on Mechanical Properties of Banana Pseudostem Fiber Reinforced Polymer Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 444-448	0.4	2
17	Properties of Kenaf Filled Unplasticized Polyvinyl Chloride Composites. <i>Key Engineering Materials</i> , 2011 , 471-472, 507-512	0.4	6
16	Energy Absorption Capability of Hybrid Tube Made by Mild Steel and GFRP under Quasi-Static Loading. <i>Advanced Materials Research</i> , 2011 , 383-390, 2741-2746	0.5	2
15	Selection of Polymeric Based Material Composite for Fibreglass Boat Components Using Expert System. <i>Key Engineering Materials</i> , 2011 , 471-472, 1113-1117	0.4	
14	Preliminary Review of Biocomposites Materials for Aircraft Radome Application. <i>Key Engineering Materials</i> , 2011 , 471-472, 563-567	0.4	22
13	Rheological Behaviour of Polypropylene/Kenaf Fibre Composite: Effect of Fibre Size. <i>Key Engineering Materials</i> , 2011 , 471-472, 513-517	0.4	10
12	Effect of Fibre Size and Fibre Loading on Tensile Properties of Hybridized Kenaf/PALF Reinforced HDPE Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 680-685	0.4	2
11	Optimizing Processing Parameters for Hybridized Kenaf/PALF Reinforced HDPE Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 674-679	0.4	4
10	The tensile properties of single sugar palm (<i>Arenga pinnata</i>) fibre. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 11, 012012	0.4	23
9	Impact Strength and Hardness Properties of Banana Pseudo-Stem Filled Unplastisized PVC Composites. <i>Multidiscipline Modeling in Materials and Structures</i> , 2009 , 5, 277-282	2.2	7

8	Thermal degradation of banana pseudo-stem filled unplasticized polyvinyl chloride (UPVC) composites. <i>Materials & Design</i> , 2009 , 30, 557-562		49
7	Dynamic Mechanical Behaviour of Banana-pseudostem-filled Unplasticised Polyvinyl Chloride Composites. <i>Polymers and Polymer Composites</i> , 2009 , 17, 55-61	0.8	7
6	Mechanical Properties of Compression Molded Banana Pseudo-stem Filled Unplasticized Polyvinyl Chloride (UPVC) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 48, 97-101		11
5	The Simulation Study of the Effect of Single and Double Gated Molds on Pressure and Temperature in Injection Molding of Polymeric Composite Clutch Pedals. <i>Multidiscipline Modeling in Materials and Structures</i> , 2006 , 2, 355-362	2.2	1
4	Mould flow and component design analysis of polymeric based composite automotive clutch pedals. <i>Journal of Materials Processing Technology</i> , 2006 , 171, 358-365	5.3	24
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