Salit Mohd Sapuan

List of Publications by Citations

259 papers	7,814 citations	50 h-index	79 g-index
275 ext. papers	10,054 ext. citations	3 avg, IF	7 L-index

#	Paper	IF	Citations
259	Isolation and characterization of nanocrystalline cellulose from sugar palm fibres (Arenga Pinnata). *Carbohydrate Polymers*, **2018**, 181, 1038-1051	10.3	296
258	Development and characterization of sugar palm nanocrystalline cellulose reinforced sugar palm starch bionanocomposites. *Carbohydrate Polymers*, **2018**, 202, 186-202	10.3	256
257	Mechanical properties of hybrid kenaf/glass reinforced epoxy composite for passenger car bumper beam. *Materials & Design*, **2010**, 31, 4927-4932		255
256	The effect of alkaline treatment on tensile properties of sugar palm fibre reinforced epoxy composites. *Materials & Design*, **2008**, 29, 1285-1290		200
255	A comprehensive VIKOR method for material selection. *Materials & Design*, **2011**, 32, 1215-1221		197
254	Effect of layering sequence and chemical treatment on the mechanical properties of woven kenaf□ramid hybrid laminated composites. *Materials & Design*, **2015**, 67, 173-179		186
253	Sugar palm nanofibrillated cellulose (Arenga pinnata (Wurmb.) Merr): Effect of cycles on their yield, physic-chemical, morphological and thermal behavior. *International Journal of Biological Macromolecules*, **2019**, 123, 379-388	7.9	154
252	Factors affecting construction labour productivity for Malaysian residential projects. *Structural Survey*, **2005**, 23, 42-54		138
251	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.) Merr) starch. *Journal of Materials Research and Technology*, **2019**, 8, 4819-4830	5.5	137
250	Transparent and antimicrobial cellulose film from ginger nanofiber. *Food Hydrocolloids*, **2020**, 98, 105266	10.6	135
249	A simple method for improving the properties of the sago starch films prepared by using ultrasonication treatment. *Food Hydrocolloids*, **2019**, 93, 276-283	10.6	132
248	Development and characterization of sugar palm starch and poly(lactic acid) bilayer films. *Carbohydrate Polymers*, **2016**, 146, 36-45	10.3	112
247	Recent developments in sugar palm (Arenga pinnata) based biocomposites and their potential industrial applications: A review. *Renewable and Sustainable Energy Reviews*, **2016**, 54, 533-549	16.2	111
246	Concept selection of car bumper beam with developed hybrid bio-composite material. *Materials & Design*, **2011**, 32, 4857-4865		106
245	Characterization of sugar palm (Arenga pinnata) fibres. *Journal of Thermal Analysis and Calorimetry*, **2012**, 109, 981-989	4.1	99
244	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	5.5	98
243	Vegetable-based biodegradable lubricating oil additives. *Industrial Lubrication and Tribology*, **2003**, 55, 137-143	1.3	95

242	Micro- and Nanocellulose in Polymer Composite Materials: A Review. *Polymers*, **2021**, 13,	4.5	94
241	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications. *Polymers*, **2021**, 13,	4.5	92
240	Mechanical and Electrical Properties of Coconut Coir Fiber-Reinforced Polypropylene Composites. *Polymer-Plastics Technology and Engineering*, **2005**, 44, 619-632		90
239	Mechanical properties of soil buried kenaf fibre reinforced thermoplastic polyurethane composites. *Materials & Design*, **2013**, 50, 467-470		89
238	Design and fabrication of natural woven fabric reinforced epoxy composite for household telephone stand. *Materials & Design*, **2005**, 26, 65-71		89
237	Cassava/sugar palm fiber reinforced cassava starch hybrid composites: Physical, thermal and structural properties. *International Journal of Biological Macromolecules*, **2017**, 101, 75-83	7.9	88
236	Mechanical, thermal and morphological properties of durian skin fibre reinforced PLA biocomposites. *Materials & Design*, **2014**, 59, 279-286		88
235	Potential of Natural Fiber Reinforced Polymer Composites in Sandwich Structures: A Review on Its Mechanical Properties. *Polymers*, **2021**, 13,	4.5	88
234	Thermo-mechanical behaviors of thermoplastic starch derived from sugar palm tree (Arenga pinnata). *Carbohydrate Polymers*, **2013**, 92, 1711-6	10.3	87
233	Physical and thermal properties of treated sugar palm/glass fibre reinforced thermoplastic polyurethane hybrid composites. *Journal of Materials Research and Technology*, **2019**, 8, 3726-3732	5.5	86
232	Effect of hydrolysis time on the morphological, physical, chemical, and thermal behavior of sugar palm nanocrystalline cellulose (Arenga pinnata (Wurmb.) Merr). *Textile Reseach Journal*, **2021**, 91, 152-167	1.7	86
231	Thermal properties of treated sugar palm yarn/glass fiber reinforced unsaturated polyester hybrid composites. *Journal of Materials Research and Technology*, **2020**, 9, 1606-1618	5.5	84
230	Fabrication, Functionalization, and Application of Carbon Nanotube-Reinforced Polymer Composite: An Overview. *Polymers*, **2021**, 13,	4.5	83
229	Hybrid reinforced thermoset polymer composite in energy absorption tube application: A review. *Defence Technology*, **2018**, 14, 291-305	3	81
228	Woods and composites cantilever beam: A comprehensive review of experimental and numerical creep methodologies. *Journal of Materials Research and Technology*, **2020**, 9, 6759-6776	5.5	77
227	Thermal Properties of Woven Kenaf/Carbon Fibre-Reinforced Epoxy Hybrid Composite Panels. *International Journal of Polymer Science*, **2019**, 2019, 1-8	2.4	74
226	Tensile Properties of Arenga pinnata Fiber-Reinforced Epoxy Composites. *Polymer-Plastics Technology and Engineering*, **2006**, 45, 149-155		71
225	Material selection based on ordinal data. *Materials & Design*, **2010**, 31, 3180-3187		70

224	The Preparation Methods and Processing of Natural Fibre Bio-polymer Composites. *Current Organic Synthesis*, **2019**, 16, 1068-1070	1.9	68
223	Polylactic Acid (PLA) Biocomposite: Processing, Additive Manufacturing and Advanced Applications. *Polymers*, **2021**, 13,	4.5	68
222	The Effect of Environmental Treatments on Fiber Surface Properties and Tensile Strength of Sugar Palm Fiber-Reinforced Epoxy Composites. *Polymer-Plastics Technology and Engineering*, **2008**, 47, 606-612		67
221	Influence of chemical treatment on the tensile properties of kenaf fiber reinforced thermoplastic polyurethane composite. *EXPRESS Polymer Letters*, **2012**, 6, 1032-1040	3.4	66
220	Biopolymers and Biocomposites: Chemistry and Technology. *Current Analytical Chemistry*, **2020**, 16, 500-503	1.7	64
219	Effect of alkali treatment on mechanical and thermal properties of Kenaf fiber-reinforced thermoplastic polyurethane composite. *Journal of Thermal Analysis and Calorimetry*, **2012**, 109, 1435-1443	4.1	63
218	Mechanical properties of kenaf bast and core fibre reinforced unsaturated polyester composites. *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012006	0.4	62
217	Antimicrobial Activities of Starch-Based Biopolymers and Biocomposites Incorporated with Plant Essential Oils: A Review. *Polymers*, **2020**, 12,	4.5	61
216	Sugar Palm Starch-Based Composites for Packaging Applications **2018**, 125-147		60
215	Effect of ultrasonication duration of polyvinyl alcohol (PVA) gel on characterizations of PVA film. *Journal of Materials Research and Technology*, **2020**, 9, 2477-2486	5.5	56
214	A Comprehensive Review on Advanced Sustainable Woven Natural Fibre Polymer Composites. *Polymers*, **2021**, 13,	4.5	56
213	Highly transparent and antimicrobial PVA based bionanocomposites reinforced by ginger nanofiber. *Polymer Testing*, **2020**, 81, 106186	4.5	55
212	Degradation and physical properties of sugar palm starch/sugar palm nanofibrillated cellulose bionanocomposite. *Polimery*, **2019**, 64, 680-689	3.4	54
211	Effect of geometry on crashworthiness parameters of natural kenaf fibre reinforced composite hexagonal tubes. *Materials & Design*, **2014**, 60, 85-93		52
210	Polymer Selection Approach for Commonly and Uncommonly Used Natural Fibers Under Uncertainty Environments. *Jom*, **2015**, 67, 2450-2463	2.1	51
209	Sugar palm nanocrystalline cellulose reinforced sugar palm starch composite: Degradation and water-barrier properties. *IOP Conference Series: Materials Science and Engineering*, **2018**, 368, 012006	0.4	50
208	Mechanical Properties of Longitudinal Basalt/Woven-Glass-Fiber-reinforced Unsaturated Polyester-Resin Hybrid Composites. *Polymers*, **2020**, 12,	4.5	50
207	Effect of various plasticizers and concentration on the physical, thermal, mechanical, and structural properties of cassava-starch-based films. *Starch/Staerke*, **2017**, 69, 1500366	2.3	48

206	The Influence of Alkaline Surface Fibre Treatment on the Impact Properties of Sugar Palm Fibre-Reinforced Epoxy Composites. *Polymer-Plastics Technology and Engineering*, **2009**, 48, 379-383		48
205	Potential Application of Green Composites for Cross Arm Component in Transmission Tower: A Brief Review. *International Journal of Polymer Science*, **2020**, 2020, 1-15	2.4	47
204	Conceptual design of creep testing rig for full-scale cross arm using TRIZ-Morphological chart-analytic network process technique. *Journal of Materials Research and Technology*, **2019**, 8, 5647-5658	5.5	45
203	Characterization of Tapioca Starch Biopolymer Composites Reinforced with Micro Scale Water Hyacinth Fibers. *Starch/Staerke*, **2018**, 70, 1700287	2.3	43
202	Effect of Sugar Palm-derived Cellulose Reinforcement on the Mechanical and Water Barrier Properties of Sugar Palm Starch Biocomposite Films. *BioResources*, **2016**, 11,	1.3	41
201	Measurement of ballistic impact properties of woven kenaf□ramid hybrid composites. *Measurement: Journal of the International Measurement Confederation*, **2016**, 77, 335-343	4.6	40
200	A Novel Evaluation Tool for Enhancing the Selection of Natural Fibers for Polymeric Composites Based on Fiber Moisture Content Criterion. *BioResources*, **2014**, 10,	1.3	40
199	Design and fabrication of low cost filament winding machine. *Materials & Design*, **2007**, 28, 234-239		39
198	The Effects of Silver Nanoparticles Compositions on the Mechanical, Physiochemical, Antibacterial, and Morphology Properties of Sugar Palm Starch Biocomposites for Antibacterial Coating. *Polymers* , **2020**, 12,	4.5	39
197	A Review on Mechanical Performance of Hybrid Natural Fiber Polymer Composites for Structural Applications. *Polymers*, **2021**, 13,	4.5	39
196	Polymer Composites Filled with Metal Derivatives: A Review of Flame Retardants. *Polymers*, **2021**, 13,	4.5	38
195	Mechanical properties and fabrication of small boat using woven glass/sugar palm fibres reinforced unsaturated polyester hybrid composite. *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012015	0.4	37
194	Development process of new bumper beam for passenger car: A review. *Materials & Design*, **2012**, 40, 304-313		36
193	Optimization of tensile behavior of banana pseudo-stem (Musa acuminate) fiber reinforced epoxy composites using response surface methodology. *Journal of Materials Research and Technology*, **2019**, 8, 3517-3528	5.5	35
192	Development of Anti-Ballistic Board from Ramie Fiber. *Polymer-Plastics Technology and Engineering*, **2011**, 50, 622-634		35
191	Effect of glycerol plasticizer loading on the physical, mechanical, thermal, and barrier properties of arrowroot (Maranta arundinacea) starch biopolymers. *Scientific Reports*, **2021**, 11, 13900	4.9	35
190	Mechanical properties of hybrid glass/sugar palm fibre reinforced unsaturated polyester composites. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 1394-1403	3.5	34
189	The Use of Palm Oil as Diesel Fuel Substitute. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **1996**, 210, 47-53	1.6	34

188	The Effects of Unbleached and Bleached Nanocellulose on the Thermal and Flammability of Polypropylene-Reinforced Kenaf Core Hybrid Polymer Bionanocomposites. *Polymers*, **2020**, 13,	4.5	34
187	Natural Fiber Reinforced Composite Material for Product Design: A Short Review. *Polymers*, **2021**, 13,	4.5	34
186	Preparation and characterization of cornhusk/sugar palm fiber reinforced Cornstarch-based hybrid composites. *Journal of Materials Research and Technology*, **2020**, 9, 200-211	5.5	33
185	Investigating the Inherent Characteristic/Performance Deterioration Interactions of Natural Fibers in Bio-Composites for Better Utilization of Resources. *Journal of Polymers and the Environment*, **2018**, 26, 1290-1296	4.5	32
184	A Naïve-Bayes classifier for damage detection in engineering materials. *Materials & Design*, **2007**, 28, 2379-2386		32
183	Natural Fiber-Reinforced Polylactic Acid, Polylactic Acid Blends and Their Composites for Advanced Applications.. *Polymers*, **2022**, 14,	4.5	32
182	Potential of using multiscale corn husk fiber as reinforcing filler in cornstarch-based biocomposites. *International Journal of Biological Macromolecules*, **2019**, 139, 596-604	7.9	31
181	Thermal property determination of hybridized kenaf/PALF reinforced HDPE composite by thermogravimetric analysis. *Journal of Thermal Analysis and Calorimetry*, **2012**, 109, 893-900	4.1	30
180	Second-Order Shear Deformation Theory to Analyze Stress Distribution for Solar Functionally Graded Plates#. *Mechanics Based Design of Structures and Machines*, **2010**, 38, 348-361	1.7	30
179	Mercerization Optimization of Bamboo (Bambusa vulgaris) Fiber-Reinforced Epoxy Composite Structures Using a Box-Behnken Design. *Polymers*, **2020**, 12,	4.5	29
178	Effect of Alkalization on Mechanical Properties of Water Hyacinth Fibers-Unsaturated Polyester Composites. *Polymer-Plastics Technology and Engineering*, **2013**, 52, 446-451		29
177	Delamination and Manufacturing Defects in Natural Fiber-Reinforced Hybrid Composite: A Review. *Polymers*, **2021**, 13,	4.5	29
176	Materials selection of thermoplastic matrices for 'green' natural fibre composites for automotive anti-roll bar with particular emphasis on the environment. *International Journal of Precision Engineering and Manufacturing - Green Technology*, **2018**, 5, 111-119	3.8	28
175	Alkali Treatment of Screw Pine (Pandanus Odoratissimus) Fibers and Its Effect on Unsaturated Polyester Composites. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 12-18		28
174	A rapid test to measure performance, emission and wear of a diesel engine fueled with palm oil diesel. *JAOCS, Journal of the American Oil ChemistshSociety*, **1993**, 70, 1021-1025	1.8	28
173	Flammability, Tensile, and Morphological Properties of Oil Palm Empty Fruit Bunches Fiber/Pet Yarn-Reinforced Epoxy Fire Retardant Hybrid Polymer Composites. *Polymers*, **2021**, 13,	4.5	28
172	Electrical properties of sugar palm nanocrystalline cellulose, reinforced sugar palm starch nanocomposites. *Polimery*, **2020**, 65, 363-370	3.4	27
171	Improvement of Biocomposite Properties Based Tapioca Starch and Sugarcane Bagasse Cellulose Nanofibers. *Key Engineering Materials*, **2020**, 849, 96-101	0.4	27

170	Mechanical Performance and Applications of CNTs Reinforced Polymer Composites-A Review. *Nanomaterials*, **2021**, 11,	5.4	26
169	Antimicrobial activity, physical, mechanical and barrier properties of sugar palm based nanocellulose/starch biocomposite films incorporated with cinnamon essential oil. *Journal of Materials Research and Technology*, **2021**, 11, 144-157	5.5	25
168	Effects of Benzoyl Treatment on NaOH Treated Sugar Palm Fiber: Tensile, Thermal, and Morphological Properties. *Journal of Materials Research and Technology*, **2020**, 9, 5805-5814	5.5	24
167	Mechanical, Physical and Thermal Properties of Sugar Palm Nanocellulose Reinforced Thermoplastic Starch (TPS)/Poly (Lactic Acid) (PLA) Blend Bionanocomposites. *Polymers*, **2020**, 12,	4.5	24
166	Physico-chemical and Thermal Properties of Starch Derived from Sugar Palm Tree (Arenga pinnata). *Asian Journal of Chemistry*, **2014**, 26, 955-959	0.4	23
165	The tensile properties of single sugar palm (Arenga pinnata) fibre. *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012012	0.4	23
164	Antimicrobial Edible Film Prepared from Bacterial Cellulose Nanofibers/Starch/Chitosan for a Food Packaging Alternative. *International Journal of Polymer Science*, **2021**, 2021, 1-11	2.4	23
163	Recent developments in sustainable arrowroot (Maranta arundinacea Linn) starch biopolymers, fibres, biopolymer composites and their potential industrial applications: A review. *Journal of Materials Research and Technology*, **2021**, 13, 1191-1219	5.5	23
162	Design and Fabrication of a Shoe Shelf From Kenaf Fiber Reinforced Unsaturated Polyester Composites **2019**, 315-332		22
161	Characterization studies of biopolymeric matrix and cellulose fibres based composites related to functionalized fibre-matrix interface **2020**, 29-93		22
160	Mechanical Properties of Screw Pine (Pandanus Odoratissimus) Fibers Unsaturated Polyester Composites. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 500-506		22
159	Material Characterization of Roselle Fibre ([i]Hibiscus sabdariffa [/i]L.) as Potential Reinforcement Material for Polymer Composites. *Fibres and Textiles in Eastern Europe*, **2015**, 23, 23-30	0.9	22
158	Utilization of Bracing Arms as Additional Reinforcement in Pultruded Glass Fiber-Reinforced Polymer Composite Cross-Arms: Creep Experimental and Numerical Analyses. *Polymers*, **2021**, 13,	4.5	22
157	Natural-Fiber-Reinforced Chitosan, Chitosan Blends and Their Nanocomposites for Various Advanced Applications.. *Polymers*, **2022**, 14,	4.5	22
156	Effects of the liquid natural rubber (LNR) on mechanical properties and microstructure of epoxy/silica/kenaf hybrid composite for potential automotive applications. *Journal of Materials Research and Technology*, **2021**, 12, 1026-1038	5.5	21
155	Pyrolysis of polypropylene plastic waste into carbonaceous char: Priority of plastic waste management amidst COVID-19 pandemic. *Science of the Total Environment*, **2022**, 803, 149911	10.2	21
154	Characterization of compressed bacterial cellulose nanopaper film after exposure to dry and humid conditions. *Journal of Materials Research and Technology*, **2021**, 11, 896-904	5.5	20
153	Recycling of waste rubber as fillers: A review. *IOP Conference Series: Materials Science and Engineering*, **2018**, 368, 012016	0.4	19

152	Evaluation of Design and Simulation of Creep Test Rig for Full-Scale Crossarm Structure. *Advances in Civil Engineering*, **2020**, 2020, 1-10	1.3	18
151	Lightweight and Durable PVDF-SSPF Composites for Photovoltaics Backsheet Applications: Thermal, Optical and Technical Properties. *Materials*, **2019**, 12,	3.5	18
150	Elastic and viscoelastic properties of sugarcane bagasse-filled poly(vinyl chloride) composites. *Journal of Thermal Analysis and Calorimetry*, **2011**, 103, 1047-1053	4.1	18
149	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. *Journal of Materials Research and Technology*, **2021**, 10, 1-14	5.5	18
148	Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ Generated Copper Nanoparticles in Tamarindus indica Nut Powder. *Journal of Polymers and the Environment*, **2021**, 29, 1134-1142	4.5	18
147	Mechanical and Thermal Properties of Kenaf Fiber Reinforced Polypropylene/Magnesium Hydroxide Composites. *Journal of Engineered Fibers and Fabrics*, **2017**, 12, 155892501701200	0.9	17
146	Physical properties of coir and pineapple leaf fibre reinforced polylactic acid hybrid composites. *IOP Conference Series: Materials Science and Engineering*, **2018**, 290, 012031	0.4	17
145	Mechanical and Thermal Performances of Roselle Fiber-Reinforced Thermoplastic Polyurethane Composites. *Polymer-Plastics Technology and Engineering*, **2018**, 57, 601-608		17
144	Effect of Surface Treatment on the Mechanical Properties of Sugar Palm/Glass Fiber-reinforced Thermoplastic Polyurethane Hybrid Composites. *BioResources*, **2017**, 13,	1.3	17
143	Development and Characterization of Polypropylene Waste from Personal Protective Equipment (PPE)-Derived Char-Filled Sugar Palm Starch Biocomposite Briquettes. *Polymers*, **2021**, 13,	4.5	17
142	Mechanical and Thermal Properties of Roselle Fibre Reinforced Vinyl Ester Composites. *BioResources*, **2016**, 11,	1.3	17
141	Water Absorption Behaviour and Impact Strength of Kenaf-Kevlar Reinforced Epoxy Hybrid Composites. *Advanced Composites Letters*, **2016**, 25, 096369351602500	1.2	17
140	Effect of plasticizers on physical, thermal, and tensile properties of thermoplastic films based on Dioscorea hispida starch. *International Journal of Biological Macromolecules*, **2021**, 185, 219-228	7.9	17
139	Melt volume flow rate and melt flow rate of kenaf fibre reinforced Floreon/magnesium hydroxide biocomposites. *SpringerPlus*, **2016**, 5, 1680		16
138	Use of Industrial Wastes as Sustainable Nutrient Sources for Bacterial Cellulose (BC) Production: Mechanism, Advances, and Future Perspectives. *Polymers*, **2021**, 13,	4.5	16
137	Thermal properties of coir and pineapple leaf fibre reinforced polylactic acid hybrid composites. *IOP Conference Series: Materials Science and Engineering*, **2018**, 368, 012019	0.4	15
136	Numerical investigation of geometrical defect in cold forging of an AUV blade pin head. *Journal of Manufacturing Processes*, **2013**, 15, 141-150	5	14
135	Optimization of Blending Parameters and Fiber Size of Kenaf-Bast-Fiber-Reinforced the Thermoplastic Polyurethane Composites by Taguchi Method. *Advances in Materials Science and Engineering*, **2013**, 2013, 1-5	1.5	14

134	Study of Hybridized Kenaf/Palf-Reinforced Hdpe Composites by Dynamic Mechanical Analysis. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 146-153		14
133	Synthesis and Thermal Characterization of Polyurethane/Clay Nanocomposites Based on Palm Oil Polyol. *Polymer-Plastics Technology and Engineering*, **2006**, 45, 1323-1326		14
132	Kenaf Fiber/Pet Yarn Reinforced Epoxy Hybrid Polymer Composites: Morphological, Tensile, and Flammability Properties. *Polymers*, **2021**, 13,	4.5	14
131	Extraction and Characterization of Potential Biodegradable Materials Based on Tubers. *Polymers*, **2021**, 13,	4.5	14
130	Conceptual design of oil palm fibre reinforced polymer hybrid composite automotive crash box using integrated approach. *Journal of Central South University*, **2020**, 27, 64-75	2.1	13
129	Pineapple Leaf Fibers and PALF-Reinforced Polymer Composites **2011**, 325-343		13
128	Characterization of Sugar Palm Nanocellulose and Its Potential for Reinforcement with a Starch-Based Composite **2018**, 189-220		13
127	Natural fiber reinforced vinyl polymer composites **2018**, 27-70		13
126	Kenaf Fibre Reinforced Polypropylene Composites: Effect of Cyclic Immersion on Tensile Properties. *International Journal of Polymer Science*, **2015**, 2015, 1-6	2.4	12
125	Effects of Simple Abrasive Combing and Pretreatments on the Properties of Pineapple Leaf Fibers (Palf) and Palf-Vinyl Ester Composite Adhesion. *Polymer-Plastics Technology and Engineering*, **2010**, 49, 972-978		12
124	Effect of seaweed on physical properties of thermoplastic sugar palm starch/agar composites. *Journal of Mechanical Engineering and Sciences*, **2016**, 10, 2214-2225	2	12
123	Critical Review of Natural Fiber Reinforced Hybrid Composites: Processing, Properties, Applications and Cost. *Polymers*, **2021**, 13,	4.5	12
122	Mechanical Properties of Compression Molded Banana Pseudo-stem Filled Unplasticized Polyvinyl Chloride (UPVC) Composites. *Polymer-Plastics Technology and Engineering*, **2008**, 48, 97-101		11
121	3D Printing and Shaping Polymers, Composites, and Nanocomposites: A Review.. *Polymers*, **2022**, 14,	4.5	11
120	Crashworthiness Response of Filament Wound Kenaf/Glass Fibre-reinforced Epoxy Composite Tubes with Influence of Stacking Sequence under Intermediate-velocity Impact Load. *Fibers and Polymers*,1	2	11
119	Properties and Common Industrial Applications of Polyvinyl fluoride (PVF) and Polyvinylidene fluoride (PVDF). *IOP Conference Series: Materials Science and Engineering*, **2018**, 409, 012021	0.4	11
118	Tensile and Impact Properties of Sugarcane Bagasse/Poly(vinyl Chloride) Composites. *Key Engineering Materials*, **2011**, 471-472, 167-172	0.4	10
117	Flexural properties of sugarcane bagasse pith and rind reinforced poly(vinyl chloride). *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012011	0.4	10

116	Effect of Silica Aerogel Additive on Mechanical Properties of the Sugar Palm Fiber-Reinforced Polyester Composites. *International Journal of Polymer Science*, **2019**, 2019, 1-4	2.4	10
115	Preparation and characterization of starch-based biocomposite films reinforced by Dioscorea hispida fibers. *Journal of Materials Research and Technology*, **2021**, 15, 1342-1355	5.5	10
114	Analysis of glass fibre reinforced epoxy composite hovercraft hull base. *Materials & Design*, **2008**, 29, 1453-1458		9
113	Product Development of Natural Fibre-Composites for Various Applications: Design for Sustainability.. *Polymers*, **2022**, 14,	4.5	9
112	Development of Photovoltaic Module with Fabricated and Evaluated Novel Backsheet-Based Biocomposite Materials. *Materials*, **2019**, 12,	3.5	8
111	Mechanical and Thermal Properties of Sugar Palm Fiber Reinforced Thermoplastic Polyurethane Composites: Effect of Silane Treatment and Fiber Loading. *Journal of Renewable Materials*, **2017**,	2.4	8
110	Oil Palm Fibre Reinforced Polymer Composites: A Review. *Progress in Rubber, Plastics and Recycling Technology*, **2009**, 25, 233-246	1.7	8
109	Natural Frequency of F.G. Rectangular Plate by Shear Deformation Theory. *IOP Conference Series: Materials Science and Engineering*, **2011**, 17, 012008	0.4	8
108	Theoretical Analysis for Calculation of the Through Thickness Effective Constants for Orthotropic Thick Filament Wound Tubes. *Polymer-Plastics Technology and Engineering*, **2008**, 47, 1008-1015		8
107	Tensile and Impact Properties of Different Morphological Parts of Sugar Palm Fibre-Reinforced Unsaturated Polyester Composites. *Polymers and Polymer Composites*, **2012**, 20, 861-866	0.8	7
106	Tensile and Flexural Behavior of Hybrid Banana Pseudostem/Glass Fibre Reinforced Polyester Composites. *Key Engineering Materials*, **2011**, 471-472, 686-691	0.4	7
105	Thermoplastic impact property improvement in hybrid natural fibre epoxy composite bumper beam. *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012013	0.4	7
104	Fabrication of Fibre Metal Laminate with Flax and Sugar Palm Fibre based Epoxy Composite and Evaluation of their Fatigue Properties **2019**, 35, 463-473		7
103	Physical, Mechanical and Morphological Properties of Sugar Palm Fiber Reinforced Polylactic Acid Composites. *Fibers and Polymers*,1	2	7
102	Experimental and numerical investigation of the mechanical behavior of full-scale wooden cross arm in the transmission towers in terms of load-deflection test. *Journal of Materials Research and Technology*, **2020**, 9, 7937-7946	5.5	6
101	Properties of Betel Nut Husk Reinforced Vinyl Ester Composites **2018**, 129-155		6
100	A New Concurrent Engineering Multi Criteria Decision Making Technique for Conceptual Design Selection. *Applied Mechanics and Materials*, **2012**, 225, 293-298	0.3	6
99	Optimizing Processing Parameters and Fiber Size for Kenaf Fiber Reinforced Thermoplastic Polyurethane Composite. *Key Engineering Materials*, **2011**, 471-472, 297-302	0.4	6

98	Development of Sugar Palm Based Products: A Community Project **2018**, 245-266		6
97	Low-Temperature Thermal Degradation of Disinfected COVID-19 Non-Woven Polypropylene-Based Isolation Gown Wastes into Carbonaceous Char. *Polymers*, **2021**, 13,	4.5	6
96	Development and Characterization of Cornstarch-Based Bioplastics Packaging Film Using a Combination of Different Plasticizers. *Polymers*, **2021**, 13,	4.5	6
95	Mechanical Properties and Morphological Analysis of Roselle/Sugar Palm Fiber Reinforced Vinyl Ester Hybrid Composites **2018**, 169-180		6
94	Flammability and physical stability of sugar palm crystalline nanocellulose reinforced thermoplastic sugar palm starch/poly(lactic acid) blend bionanocomposites. *Nanotechnology Reviews*, **2021**, 11, 86-95	6.3	6
93	Motorcyclist's Riding Discomfort in Malaysia: Comparison of BMI, Riding Experience, Riding Duration and Riding Posture. *Human Factors and Ergonomics in Manufacturing*, **2013**, 23, 267-278	1.4	5
92	Wheat Biocomposite Extraction, Structure, Properties and Characterization: A Review. *Polymers*, **2021**, 13,	4.5	5
91	Effect of alkali treatment of piper betle fiber on tensile properties as biocomposite based polylactic acid: Solvent cast-film method. *Materials Today: Proceedings*, **2021**,	1.4	5
90	Mechanical Properties of Sugar Palm (Wurmb. Merr)/Glass Fiber-Reinforced Poly(lactic acid) Hybrid Composites for Potential Use in Motorcycle Components. *Polymers*, **2021**, 13,	4.5	5
89	Dynamic Mechanical Properties and Thermal Properties of Longitudinal Basalt/Woven Glass Fiber Reinforced Unsaturated Polyester Hybrid Composites. *Polymers*, **2021**, 13,	4.5	5
88	Thermal Free Vibration Analysis of Temperature-Dependent Functionally Graded Plates Using Second Order Shear Deformation. *Key Engineering Materials*, **2011**, 471-472, 133-139	0.4	4
87	Geometrical Error Analysis of Cold Forged AUV Propeller Blade Using Optical Measurement Method. *Advanced Materials Research*, **2011**, 383-390, 7117-7121	0.5	4
86	Prediction of the thermal performance of solar air heaters by Internet-based mathematical simulation. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2004**, 218, 579-587	1.6	4
85	Detection of Defects in Natural Composite Materials Using Thermal Imaging Technique. *Materialpruefung/Materials Testing*, **2012**, 54, 340-346	1.9	4
84	Tensile Strength and Moisture Absorption of Sugar Palm-Polyvinyl Butyral Laminated Composites. *Polymers*, **2020**, 12,	4.5	4
83	Impact and internal pressure failure of E-glass and S-glass epoxy composite elbow pipe joints influenced by sea water. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2021**, 235, 116-123	1.5	4
82	Mechanical and Crash Performance of Unidirectional Oil Palm Empty Fruit Bunch Fibre-reinforced Polypropylene Composite. *BioResources*, **2018**, 13,	1.3	4
81	Physical properties of silane-treated sugar palm fiber reinforced thermoplastic polyurethane composites. *IOP Conference Series: Materials Science and Engineering*, **2018**, 368, 012047	0.4	4

80	Thermal Stability and Dynamic Mechanical Analysis of Benzoylation Treated Sugar Palm/Kenaf Fiber Reinforced Polypropylene Hybrid Composites. *Polymers*, **2021**, 13,	4.5	4
79	Mechanical performance evaluation of bamboo fibre reinforced polymer composites and its applications: a review. *Functional Composites and Structures*, **2022**, 4, 015009	3.5	4
78	Tea Tree (Melaleuca alternifolia) Fiber as Novel Reinforcement Material for Sugar Palm Biopolymer Based Composite Films. *BioResources*, **2017**, 12,	1.3	3
77	Design and Fabrication of Kenaf Fibre Reinforced Polymer Composites for Portable Laptop Table. *Springer Series on Polymer and Composite Materials*, **2018**, 323-356	0.9	3
76	Physical Properties of Short Pineapple Leaf Fibre (PALF) Reinforced High Impact Polystyrene (HIPS) Composites. *Advanced Composites Letters*, **2009**, 18, 096369350901800	1.2	3
75	Application of Analytical Hierarchy Process (AHP) and Sensitivity Analysis for Selecting the Best Design Concepts during Conceptual Design Stage. *Multidiscipline Modeling in Materials and Structures*, **2009**, 5, 289-294	2.2	3
74	State of the Art Review of Engineering Materials Selection Methods. *Multidiscipline Modeling in Materials and Structures*, **2009**, 5, 263-268	2.2	3
73	Non-Destructive Techniques (NDT) in Composite Materials. *Key Engineering Materials*, **2011**, 462-463, 918-924	0.4	3
72	Generic Framework for Conceptual Design Using Concurrent Engineering Strategy. A Case Study: Advanced Material Application Product Development of Metal Matrix Composite Component. *Advanced Materials Research*, **2012**, 626, 99-108	0.5	3
71	Preparation of Conjugated p-Aminobenzamidine on Thermosensitive Poly(NIPAM) by Irradiation Grafted Process. *Polymer-Plastics Technology and Engineering*, **2008**, 47, 692-696		3
70	Internal Pressure Carrying Capacity for Different Loading Modes of Filament-Wound Pipes from Glass Fiber-reinforced Epoxy Composites. *Polymer-Plastics Technology and Engineering*, **2008**, 47, 802-808		3
69	Pressure Carrying Capacity of Reinforced Plastic Tubes. *Polymer-Plastics Technology and Engineering*, **2007**, 46, 651-659		3
68	Effect of Skin Removal from Spherical Fruits and Vegetables. *American Journal of Food Technology*, **2007**, 2, 295-300	0.1	3
67	Physical, Mechanical, and Morphological Properties of Treated Sugar Palm/Glass Reinforced Poly(Lactic Acid) Hybrid Composites. *Polymers*, **2021**, 13,	4.5	3
66	Extraction and Characterization of a Novel Natural Lignocellulosic (Bagasse and Husk) Fibers from Arrowroot (Maranta Arundinacea). *Journal of Natural Fibers*,1-17	1.8	3
65	The Effect of Fiber Content on the Crashworthiness Parameters of Natural Kenaf Fiber-Reinforced Hexagonal Composite Tubes. *Journal of Engineered Fibers and Fabrics*, **2016**, 11, 155892501601100	0.9	3
64	Effect of hexagonal on the in-plane crushing behaviour of plain weave composite hexagonal quadruple ring system. *International Journal of Crashworthiness*, **2020**, 25, 192-202	1	3
63	Experimental Analysis of Heat-Affected Zone (HAZ) in Laser Cutting of Sugar Palm Fiber Reinforced Unsaturated Polyester Composites. *Polymers*, **2021**, 13,	4.5	3

62	Material selection criteria for natural fibre composite in automotive component:A review. *IOP Conference Series: Materials Science and Engineering*, **2018**, 368, 012002	0.4	3
61	Effect of alkaline and benzoyl chloride treatments on the mechanical and morphological properties of sugar palm fiber-reinforced poly(lactic acid) composites. *Textile Reseach Journal*,004051752110418	1.7	3
60	On the enhancement of the fatigue fracture performance of polymer matrix composites by reinforcement with carbon nanotubes: a systematic review. *Carbon Letters*,1	2.3	3
59	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. *Materials*, **2020**, 13,	3.5	2
58	Design characteristics, codes and standards of natural fibre composites **2017**, 511-528		2
57	Effect of cassava peel and cassava bagasse natural fillers on mechanical properties of thermoplastic cassava starch: Comparative study **2017**,		2
56	Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process. *International Journal of Polymer Science*, **2015**, 2015, 1-8	2.4	2
55	The effect of electron beam irradiation on the mechanical properties of pineapple leaf fibre (PALF) reinforced high impact polystyrene (HIPS) composites. *IOP Conference Series: Materials Science and Engineering*, **2010**, 11, 012014	0.4	2
54	Investigation of Hardness of Short Abaca (Musa Textile Nee) Fibre-Reinforced High Impact Polystyrene (HIPS) Composites by Response Surface Methodology. *Key Engineering Materials*, **2011**, 471-472, 821-826	0.4	2
53	A Structural Health Monitoring of a Pitch Catch Active Sensing of PZT Sensor on Normal, Damage and Repair Aircraft Spoiler. *Key Engineering Materials*, **2011**, 471-472, 1124-1129	0.4	2
52	Effect of Fibre Size and Fibre Loading on Tensile Properties of Hybridized Kenaf/PALF Reinforced HDPE Composite. *Key Engineering Materials*, **2011**, 471-472, 680-685	0.4	2
51	Twist Springback Measurement of AUV Propeller Blade Based on Profile Deviation. *Advanced Materials Research*, **2012**, 512-515, 1840-1844	0.5	2
50	Detection of defects of Kenaf/Epoxy by Thermography Analyses. *IOP Conference Series: Materials Science and Engineering*, **2012**, 36, 012013	0.4	2
49	Estimation of surface film conductance during cooling of fish packages. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2004**, 218, 271-276	1.5	2
48	Elastohydrodynamic lubrication study of hard rolling contact using boundary element method. *Industrial Lubrication and Tribology*, **2001**, 53, 148-171	1.3	2
47	Oxygen permeability properties of nanocellulose reinforced biopolymer nanocomposites. *Materials Today: Proceedings*, **2021**,	1.4	2
46	Concurrent Design of Green Composites. *Advances in Chemical and Materials Engineering Book Series*,48-75	0.2	2
45	Creativity in Design of Safety Helmet for Oil Palm Workers. *Advances in Intelligent Systems and Computing*, **2019**, 1044-1047	0.4	2

44	Fabrication and Effect of Immersion in Various Solutions on Mechanical Properties of Pultruded Kenaf Fiber Composites: A Review **2018**, 109-127		2
43	Laser drilling of composite material: A review **2019**, 89-100		1
42	Sustainability issues in hole-making technologies: Current practices and challenges **2019**, 149-160		1
41	Concurrent Conceptual Design and Materials Selection of Natural Fiber Composite Products. *SpringerBriefs in Materials*, **2018**,	0.5	1
40	Failures Analysis of E-Glass Fibre reinforced pipes in Oil and Gas Industry: A Review. *IOP Conference Series: Materials Science and Engineering*, **2017**, 217, 012004	0.4	1
39	Expert Material Selection for Manufacturing of Green Bio Composites. *Green Energy and Technology* , **2017**, 1-12	0.6	1
38	The Effect of Different Shape and Perforated rHDPE in Concrete Structures on Flexural Strength. *Journal of Physics: Conference Series*, **2017**, 914, 012023	0.3	1
37	Tensile Properties and Micromorphologies of Sawdust and Chipwood Filled Epoxy Composites. *Key Engineering Materials*, **2011**, 471-472, 1070-1074	0.4	1
36	Flexural Mechanical Characteristic of Sawdust and Chipwood Filled Epoxy Composites. *Key Engineering Materials*, **2011**, 471-472, 1064-1069	0.4	1
35	Optimal Sintering Procedure to Fabrication of Functionally Graded Hydroxyapatite-Titanium. *Key Engineering Materials*, **2011**, 471-472, 140-144	0.4	1
34	Coating Performance in High Speed Micro Machining of H13 Tool Steel. *Advanced Materials Research*, **2009**, 83-86, 985-992	0.5	1
33	Differential Scanning Calorimetry (DSC) Analysis of Abaca Fibre (Musa Textile Nee) Reinforced High Impact Polystyrene (HIPS) Composites. *Advanced Materials Research*, **2011**, 295-297, 929-933	0.5	1
32	Investigation of Geometrical Defect of AA6061-T4 Cold Embossing Using FEM. *Applied Mechanics and Materials*, **2011**, 110-116, 2337-2341	0.3	1
31	Optimal Design for a Thermosyphon Solar Water Heater Convenient for Malaysia. *Multidiscipline Modeling in Materials and Structures*, **2009**, 5, 247-250	2.2	1
30	The Simulation Study of the Effect of Single and Double Gated Molds on Pressure and Temperature in Injection Molding of Polymeric Composite Clutch Pedals. *Multidiscipline Modeling in Materials and Structures*, **2006**, 2, 355-362	2.2	1
29	Static and dynamic characteristics of a hybrid aluminium/composite drive shaft. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2007**, 221, 63-75	1.3	1
28	Physical, Mechanical, and Morphological Performances of Arrowroot () Fiber Reinforced Arrowroot Starch Biopolymer Composites.. *Polymers*, **2022**, 14,	4.5	1
27	Introduction to Biofiller-Reinforced Degradable Polymer Composites **2020**, 1-23		1

26	Development of Kenaf Biochar in Engineering and Agricultural Applications. *Chemistry Africa*,1	2.2	1
25	Determination of the Tensile Properties and Biodegradability of Cornstarch-Based Biopolymers Plasticized with Sorbitol and Glycerol. *Polymers*, **2021**, 13,	4.5	1
24	Low Velocity Impact and Internal Pressure Behaviors of Unaged E-Glass and S-Glass/Epoxy Composite Elbow Pipe Joints. *Journal of Pipeline Systems Engineering and Practice*, **2020**, 11, 04020043	1.5	1
23	Characterisation of the tensile and fracture properties of filament wound natural fibre rings **2020**,		1
22	Dissolution of condensed tannin powder-based polyphenolic compound in water-glycerol-acid solution. *BioResources*, **2020**, 16, 1798-1815	1.3	1
21	Mechanical, Morphological and Thermal Properties of Woven Polyester Fiber Reinforced Polylactic Acid (PLA) Composites. *Fibers and Polymers*,1	2	1
20	Advanced Composite in Aerospace Applications: Opportunities, Challenges, and Future Perspective **2022**, 471-498		1
19	Effects of drilling parameters on delamination of kenaf-glass fibre reinforced unsaturated polyester composites. *Journal of Industrial Textiles*,152808372110620	1.6	1
18	Effect of stacking sequence and fiber content on mechanical and morphological properties of woven kenaf/polyester fiber reinforced polylactic acid (PLA) hybrid laminated composites. *Journal of Materials Research and Technology*, **2022**, 16, 1190-1201	5.5	0
17	2. Corn (maize) its fibers, polymers, composites, and applications: A review **2019**, 13-36		0
16	Optimization Method of Injection Molding Parameters for Vinyl-Based Polymer Composites **2018**, 97-108		0
15	Introduction to nanocellulose production from biological waste **2022**, 1-37		0
14	Thermal, flammability, and antimicrobial properties of arrowroot (Maranta arundinacea) fiber reinforced arrowroot starch biopolymer composites for food packaging applications. *International Journal of Biological Macromolecules*, **2022**, 213, 1-10	7.9	0
13	Analysis on the Impact Behaviors of E and S-glass Composite Elbow Pipe Joints Exposed to Impact Loading Followed by Axial Compression. *International Journal of Manufacturing, Materials, and Mechanical Engineering*, **2019**, 9, 14-25	0.5	
12	Evaluation on Compression Properties of Different Shape and Perforated rHDPE in Concrete Structures. *Journal of Physics: Conference Series*, **2017**, 914, 012022	0.3	
11	Experimental Quasi-Static Axial Crushing of Non-Woven Kenaf Fibre/Epoxy Hexagonal Composite Tubes. *Applied Mechanics and Materials*, **2014**, 564, 361-365	0.3	
10	Experimental Validation on Time Base Analysis of Various Aircraft CFRP Panel Conditions for Structural Health Monitoring. *Key Engineering Materials*, **2013**, 594-595, 935-939	0.4	
9	Selection of Polymeric Based Material Composite for Fibreglass Boat Components Using Expert System. *Key Engineering Materials*, **2011**, 471-472, 1113-1117	0.4	

8	Effect of Filler Loading and Coupling Agent on Tensile and Impact Properties of Polypropylene with Oil Palm Ash Composites. *Key Engineering Materials*, **2011**, 471-472, 1130-1135	0.4
7	Effect of Die Modification to Geometrical Defect of Cold Forged AUV Propeller Blade. *Advanced Materials Research*, **2012**, 576, 133-136	0.5
6	Investigation of geometrical defect in cold embossing of a pin head. *IOP Conference Series: Materials Science and Engineering*, **2012**, 36, 012001	0.4
5	Quality Evaluation of Cold Embossed Hole Based on Profile Measurement Technique. *Advanced Materials Research*, **2012**, 626, 564-568	0.5
4	Design for Safety in Composites. *Composites Science and Technology*, **2022**, 95-113	
3	Composites and Biocomposites: Manufacturing and Processing. *Composites Science and Technology*, **2022**, 15-33	
2	Safety in Composite Laboratory. *Composites Science and Technology*, **2022**, 67-94	
1	Advanced Potential Hybrid Biocomposites in Aerospace Applications: A Comprehensive Review **2022**, 127-148	