

Zulkiflle Leman

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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.

115
papers

2,489
citations

28
h-index

46
g-index

126
ext. papers

2,977
ext. citations

1.8
avg, IF

5.38
L-index

#	Paper	IF	Citations
115	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
114	A review on the characterisation of natural fibres and their composites after alkali treatment and water absorption. <i>Plastics, Rubber and Composites</i> , 2017 , 46, 119-136	1.5	156
113	Sugar palm (Arenga pinnata): Its fibres, polymers and composites. <i>Carbohydrate Polymers</i> , 2013 , 91, 699-710	7.0	151
112	Effect of fibre orientations on the mechanical properties of kenaf/ramid hybrid composites for spall-liner application. <i>Defence Technology</i> , 2016 , 12, 52-58	3	117
111	Characterization of sugar palm (Arenga pinnata) fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 981-989	4.1	99
110	Mechanical performance of woven kenaf-Kevlar hybrid composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 2242-2254	2.9	88
109	Moisture absorption behavior of sugar palm fiber reinforced epoxy composites. <i>Materials & Design</i> , 2008 , 29, 1666-1670		88
108	Physicochemical and thermal properties of lignocellulosic fiber from sugar palm fibers: effect of treatment. <i>Cellulose</i> , 2016 , 23, 2905-2916	5.5	83
107	A review of the application of acoustic emission technique in engineering. <i>Structural Engineering and Mechanics</i> , 2015 , 54, 1075-1095		73
106	The Effect of Environmental Treatments on Fiber Surface Properties and Tensile Strength of Sugar Palm Fiber-Reinforced Epoxy Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 606-612		67
105	Quasi-static penetration and ballistic properties of kenaf/ramid hybrid composites. <i>Materials & Design</i> , 2014 , 63, 775-782		63
104	Mechanical properties of kenaf bast and core fibre reinforced unsaturated polyester composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 11, 012006	0.4	62
103	Partial Replacement of Glass Fiber by Woven Kenaf in Hybrid Composites and its Effect on Monotonic and Fatigue Properties. <i>BioResources</i> , 2015 , 11,	1.3	52
102	Torsional behaviour of filament wound kenaf yarn fibre reinforced unsaturated polyester composite hollow shafts. <i>Materials & Design</i> , 2015 , 65, 953-960		43
101	Measurement of ballistic impact properties of woven kenaf/ramid hybrid composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 77, 335-343	4.6	40
100	Dry sliding wear behavior of untreated and treated sugar palm fiber filled phenolic composites using factorial technique. <i>Wear</i> , 2017 , 380-381, 26-35	3.5	39
99	Kenaf/Synthetic and Kevlar /Cellulosic Fiber-Reinforced Hybrid Composites: A Review. <i>BioResources</i> , 2015 , 10, 8580-8603	1.3	39

98	The mechanical performance of sugar palm fibres (ijuk) reinforced phenolic composites. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016 , 17, 1001-1008	1.7	39
97	Investigating ballistic impact properties of woven kenaf-aramid hybrid composites. <i>Fibers and Polymers</i> , 2016 , 17, 275-281	2	38
96	Mechanical properties and fabrication of small boat using woven glass/sugar palm fibres reinforced unsaturated polyester hybrid composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 11, 012015	0.4	37
95	Effect of kenaf fibers on trauma penetration depth and ballistic impact resistance for laminated composites. <i>Textile Reseach Journal</i> , 2017 , 87, 2051-2065	1.7	36
94	Tensile and Compressive Properties of Woven Kenaf/Glass Sandwich Hybrid Composites. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-6	2.4	35
93	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
92	Physical, Mechanical, and Morphological Properties of Woven Kenaf/Polymer Composites Produced Using a Vacuum Infusion Technique. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-10	2.4	32
91	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	2.7	31
90	Influence of Fiber Content on Mechanical and Morphological Properties of Woven Kenaf Reinforced PVB Film Produced Using a Hot Press Technique. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-11	2.4	31
89	An experimental review on the mechanical properties and hygrothermal behaviour of fibre metal laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2017 , 36, 72-82	2.9	30
88	Effect of Organo-Modified Nanoclay on the Mechanical Properties of Sugar Palm Fiber-reinforced Polyester Composites. <i>BioResources</i> , 2018 , 13,	1.3	30
87	Review of evolution of cellular manufacturing system approaches: Material transferring models. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016 , 17, 131-149	1.7	26
86	Natural fiber for green technology in automotive industry: A brief review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 368, 012012	0.4	25
85	Tension-Compression Fatigue Behavior of Plain Woven Kenaf/Kevlar Hybrid Composites. <i>BioResources</i> , 2016 , 11,	1.3	24
84	Chemical Composition and FT-IR Spectra of Sugar Palm (<i>Arenga pinnata</i>) Fibers Obtained from Different Heights. <i>Journal of Natural Fibers</i> , 2013 , 10, 83-97	1.8	22
83	Impregnation modification of sugar palm fibres with phenol formaldehyde and unsaturated polyester. <i>Fibers and Polymers</i> , 2013 , 14, 250-257	2	21
82	Effects of Kenaf Fiber Orientation on Mechanical Properties and Fatigue Life of Glass/Kenaf Hybrid Composites. <i>BioResources</i> , 2015 , 11,	1.3	19
81	A review of sugar palm (<i>Arenga pinnata</i>): application, fibre characterisation and composites. <i>Multidiscipline Modeling in Materials and Structures</i> , 2017 , 13, 678-698	2.2	18

80	The Effects of Orientation on the Mechanical and Morphological Properties of Woven Kenaf-reinforced Poly Vinyl Butyral Film. <i>BioResources</i> , 2015 , 11,	1.3	18
79	Modeling for Green Supply Chain Evaluation. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	18
78	Creep behaviour monitoring of short-term duration for fiber-glass reinforced composite cross-arms with unsaturated polyester resin samples using conventional analysis. <i>Journal of Mechanical Engineering and Sciences</i> , 2020 , 14, 7361-7368	2	18
77	Sugar palm fiber/polyester nanocomposites: Influence of adding nanoclay fillers on thermal, dynamic mechanical, and physical properties. <i>Journal of Vinyl and Additive Technology</i> , 2020 , 26, 236-243 ²		18
76	Ballistic Impact Resistance of Plain Woven Kenaf/Aramid Reinforced Polyvinyl Butyral Laminated Hybrid Composite. <i>BioResources</i> , 2016 , 11,	1.3	18
75	IFSS, TG, FT-IR spectra of impregnated sugar palm (<i>Arenga pinnata</i>) fibres and mechanical properties of their composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 1375-1383	4.1	17
74	Sugar Palm Fibre and its Composites: A Review of Recent Developments. <i>BioResources</i> , 2016 , 11,	1.3	17
73	Water Absorption Behaviour and Impact Strength of Kenaf-Kevlar Reinforced Epoxy Hybrid Composites. <i>Advanced Composites Letters</i> , 2016 , 25, 096369351602500	1.2	17
72	Effect of Treatments on the Physical and Morphological Properties of SPF/Phenolic Composites. <i>Journal of Natural Fibers</i> , 2017 , 14, 645-657	1.8	15
71	The effect of winding angles on crushing behavior of filament wound hollow kenaf yarn fibre reinforced unsaturated polyester composites. <i>Fibers and Polymers</i> , 2015 , 16, 2266-2275	2	15
70	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
69	Quasi-static penetration behavior of plain woven kenaf/aramid reinforced polyvinyl butyral hybrid laminates. <i>Journal of Industrial Textiles</i> , 2018 , 47, 1427-1446	1.6	14
68	Effects of Impregnation Time on Physical and Tensile Properties of Impregnated Sugar Palm (<i>Arenga pinnata</i>) Fibres. <i>Key Engineering Materials</i> , 2011 , 471-472, 1147-1152	0.4	14
67	Development of a conceptual model for risk-based quality management system. <i>Total Quality Management and Business Excellence</i> , 2019 , 30, 483-498	2.7	14
66	Dynamic Mechanical Analysis of Treated and Untreated Sugar Palm Fibre-based Phenolic Composites. <i>BioResources</i> , 2017 , 12,	1.3	12
65	Effect of Fibre Loading on the Physical, Mechanical and Thermal Properties of Sugar Palm Fibre Reinforced Vinyl Ester Composites. <i>Fibers and Polymers</i> , 2019 , 20, 1077-1084	2	11
64	Monotonic and fatigue properties of kenaf /glass hybrid composites under fully reversed cyclic loading. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012055	0.4	11
63	Reviewing the Literature of Inventory Models under Trade Credit Contact. <i>Discrete Dynamics in Nature and Society</i> , 2014 , 2014, 1-19	1.1	11

62	Effects of Impregnation Pressure on Physical and Tensile Properties of Impregnated Sugar Palm (Arenga pinnata) Fibres. <i>Key Engineering Materials</i> , 2011 , 471-472, 1153-1158	0.4	11
61	Contribution of lean and Six Sigma to effective cost of quality management. <i>International Journal of Productivity and Quality Management</i> , 2014 , 14, 149	0.3	10
60	Effect of Silica Aerogel Additive on Mechanical Properties of the Sugar Palm Fiber-Reinforced Polyester Composites. <i>International Journal of Polymer Science</i> , 2019 , 2019, 1-4	2.4	10
59	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
58	Vertex angles effects in the energy absorption of axially crushed kenaf fibre-epoxy reinforced elliptical composite cones. <i>Defence Technology</i> , 2018 , 14, 327-335	3	9
57	Mechanical Performance of Unstitched and Silk Fiber-Stitched Woven Kenaf Fiber-Reinforced Epoxy Composites. <i>Materials</i> , 2020 , 13,	3.5	8
56	Effects of Processing Method, Moisture Content, and Resin System on Physical and Mechanical Properties of Woven Kenaf Plant Fiber Composites. <i>BioResources</i> , 2015 , 11,	1.3	8
55	Optimization of Warpage Defect in Injection Moulding Process Using ABS Material 2009 ,		8
54	Review of Kenaf Reinforced Hybrid Biocomposites: Potential for Defence Applications. <i>Current Analytical Chemistry</i> , 2018 , 14, 226-240	1.7	8
53	Dehulled coffee husk-based biocomposites for green building materials. <i>Journal of Thermoplastic Composite Materials</i> , 2019 , 089270571987630	1.9	7
52	Acoustic emission analysis for characterisation of damage mechanisms in glass fiber reinforced polyester composite. <i>Australian Journal of Mechanical Engineering</i> , 2018 , 16, 11-20	1	7
51	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
50	Physical, Mechanical and Morphological Properties of Sugar Palm Fiber Reinforced Polylactic Acid Composites. <i>Fibers and Polymers</i> , ¹	2	7
49	Eco-Friendly Composites for Brake Pads From Agro Waste: A Review 2017 , 209-228		6
48	Energy absorption capacities of kenaf fibre-reinforced epoxy composite elliptical cones with circumferential holes. <i>Fibers and Polymers</i> , 2017 , 18, 1187-1192	2	6
47	Development of Sugar PalmBased Products: A Community Project 2018 , 245-266		6
46	Experimental Comparison between Two Types of Hybrid Composite Materials in Compression Test. <i>Manufacturing Science and Technology</i> , 2015 , 3, 119-123	0	6
45	Fatigue life prediction of textile/woven hybrid composites 2019 , 63-82		6

44	Application of polymer composite materials in motorcycles: A comprehensive review 2021 , 401-426		6
43	Low velocity impact properties of natural fiber-reinforced composite materials for aeronautical applications 2018 , 293-313		5
42	Incremental Sheet Forming (ISF) of AISI 316 Stainless Steel Sheet Using CNC Milling Machine. <i>Advanced Materials Research</i> , 2014 , 939, 322-327	0.5	5
41	A new method for decreasing cell-load variation in dynamic cellular manufacturing systems. <i>International Journal of Industrial Engineering Computations</i> , 2016 , 83-110	1.7	5
40	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
39	Filament Winding Process for Kenaf Fibre Reinforced Polymer Composites 2015 , 369-383		4
38	Effect of Soil Burial on Physical, Mechanical and Thermal Properties of Sugar Palm Fibre Reinforced Vinyl Ester Composites. <i>Fibers and Polymers</i> , 2019 , 20, 1893-1899	2	4
37	Influence of resin system on the energy absorption capability and morphological properties of plain woven kenaf composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012053	0.4	4
36	Pre-Treatment by Water Retting to Improve the Interfacial Bonding Strength of Sugar Palm Fibre Reinforced Epoxy Composite. <i>Polymers From Renewable Resources</i> , 2010 , 1, 35-45	0.4	4
35	Minimizing makespan of a resource-constrained scheduling problem: A hybrid greedy and genetic algorithms. <i>International Journal of Industrial Engineering Computations</i> , 2015 , 6, 503-520	1.7	4
34	Tensile Strength and Moisture Absorption of Sugar Palm-Polyvinyl Butyral Laminated Composites. <i>Polymers</i> , 2020 , 12,	4.5	4
33	AA7075-ZrO2 Nanocomposites Produced by the Consecutive Solid-State Process: A Review of Characterisation and Potential Applications. <i>Metals</i> , 2021 , 11, 805	2.3	4
32	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
31	Tensile Properties of Kenaf Yarn Fibre Reinforced Unsaturated Polyester Composites at Different Fibre Orientations. <i>Applied Mechanics and Materials</i> , 2014 , 564, 412-417	0.3	3
30	The Effect of Forming Parameters on the Sheet Stretch in Incremental Sheet Forming (ISF) Process on CNC Lathe Machine. <i>Advanced Materials Research</i> , 2013 , 634-638, 2894-2898	0.5	3
29	Sugar Palm Fibre-Reinforced Unsaturated Polyester Composite Interface Characterisation by Pull-Out Test. <i>Key Engineering Materials</i> , 2011 , 471-472, 1034-1039	0.4	3
28	Sugar Palm Fiber Reinforced Polymer Hybrid Composites: An Overview 2018 , 145-164		3
27	Physical, Mechanical, and Morphological Properties of Treated Sugar Palm/Glass Reinforced Poly(Lactic Acid) Hybrid Composites. <i>Polymers</i> , 2021 , 13,	4.5	3

26	Effect of alkaline and benzoyl chloride treatments on the mechanical and morphological properties of sugar palm fiber-reinforced poly(lactic acid) composites. <i>Textile Reseach Journal</i> ,004051752110418	1.7	3
25	Application of Taguchi Method to Optimize the Parameter of Fused Deposition Modeling (FDM) Using Oil Palm Fiber Reinforced Thermoplastic Composites. <i>Polymers</i> , 2022 , 14, 2140	4.5	3
24	Literature Review on Dynamic Cellular Manufacturing System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 58, 012016	0.4	2
23	Review on Dynamic Cellular Manufacturing System. <i>Advanced Science Letters</i> , 2014 , 20, 2309-2312	0.1	2
22	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
21	Rheological and Morphological Properties of Oil Palm Fiber-Reinforced Thermoplastic Composites for Fused Deposition Modeling (FDM). <i>Polymers</i> , 2021 , 13,	4.5	2
20	Failures Analysis of E-Glass Fibre reinforced pipes in Oil and Gas Industry: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 217, 012004	0.4	1
19	Process parameters for cylindrical deep drawing components. <i>Advances in Materials and Processing Technologies</i> , 2015 , 1, 542-548	0.8	1
18	Developing a Framework for Sustainable Supply Chain Management. <i>Applied Mechanics and Materials</i> , 2014 , 564, 661-666	0.3	1
17	Quality Management System and Risk Management System: Similarities and Possibilities for Integration. <i>Applied Mechanics and Materials</i> , 2014 , 564, 700-705	0.3	1
16	Influence of Leadership Behavior on Project Management Performance in Malaysian Industries. <i>Applied Mechanics and Materials</i> , 2014 , 564, 673-677	0.3	1
15			
14			
13	The Effect of Solid-State Processes and Heat Treatment on the Properties of AA7075 Aluminum Waste Recycling Nanocomposite. <i>Materials</i> , 2021 , 14,	3.5	1
12	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
11	Characterisation of the tensile and fracture properties of filament wound natural fibre rings 2020 ,		1
10	Conceptualizing Smart Manufacturing Readiness-Maturity Model for Small and Medium Enterprise (SME) in Malaysia. <i>Sustainability</i> , 2021 , 13, 9793	3.6	1
9	Effects of drilling parameters on delamination of kenaf-glass fibre reinforced unsaturated polyester composites. <i>Journal of Industrial Textiles</i> ,152808372110620	1.6	1

8	The Effects of CuO and SiO ₂ on Aluminum AA6061 Hybrid Nanocomposite as Reinforcements: A Concise Review. <i>Coatings</i> , 2021 , 11, 972	2.9	0
7	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	
6	Study Of Interior Temperature Distribution And Implementation Of Smart Materials In The Truck Cabin During Summer Conditions. <i>Materials Today: Proceedings</i> , 2019 , 18, 361-374	1.4	
5	Enhancement of Physical and Mechanical Properties of Sugar Palm Fiber via Vacuum Resin Impregnation 2014 , 121-144		
4	Cab Transfer Process Improvement at an Automotive Manufacturing Facility. <i>Applied Mechanics and Materials</i> , 2014 , 564, 105-109	0.3	
3	Thermal Parameter Affects on the Part Built Using 3D Printer Projet SD 3000. <i>Materials Science Forum</i> , 2013 , 773-774, 833-841	0.4	
2	Development and performance analysis of hybrid composite side door impact beam: An experimental investigation 2021 , 173-197		
1	Environmental effects on the mechanical properties of E-glass and S-glass fiber epoxy composite ring specimens used in aircraft fuel pipes. <i>INCAS Bulletin</i> , 2021 , 13, 17-24	1.2	