

Zulkiflle Leman

List of Publications by Year in descending order

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123
papers

3,536
citations

136950
32
h-index

161849
54
g-index

126
all docs

126
docs citations

126
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of layering sequence and chemical treatment on the mechanical properties of woven kenaf-aramid hybrid laminated composites. <i>Materials & Design</i> , 2015, 67, 173-179.	5.1	232
2	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.	2.0	231
3	Sugar palm (<i>Arenga pinnata</i>): Its fibres, polymers and composites. <i>Carbohydrate Polymers</i> , 2013, 91, 699-710.	10.2	191
4	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.	4.2	154
5	Characterization of sugar palm (<i>Arenga pinnata</i>) fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 981-989.	3.6	125
6	Mechanical performance of woven kenaf-Kevlar hybrid composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 2242-2254.	3.1	119
7	A review of the application of acoustic emission technique in engineering. <i>Structural Engineering and Mechanics</i> , 2015, 54, 1075-1095.	1.0	119
8	Physicochemical and thermal properties of lignocellulosic fiber from sugar palm fibers: effect of treatment. <i>Cellulose</i> , 2016, 23, 2905-2916.	4.9	114
9	Moisture absorption behavior of sugar palm fiber reinforced epoxy composites. <i>Materials & Design</i> , 2008, 29, 1666-1670.	5.1	103
10	Quasi-static penetration and ballistic properties of kenaf-aramid hybrid composites. <i>Materials & Design</i> , 2014, 63, 775-782.	5.1	90
11	Mechanical properties of kenaf bast and core fibre reinforced unsaturated polyester composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 11, 012006.	0.6	82
12	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.	1.9	74
13	Partial Replacement of Glass Fiber by Woven Kenaf in Hybrid Composites and its Effect on Monotonic and Fatigue Properties. <i>BioResources</i> , 2015, 11, .	1.0	71
14	Investigating ballistic impact properties of woven kenaf-aramid hybrid composites. <i>Fibers and Polymers</i> , 2016, 17, 275-281.	2.1	60
15	Measurement of ballistic impact properties of woven kenaf-aramid hybrid composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 77, 335-343.	5.0	60
16	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.	3.1	59
17	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.	2.7	53
18	Kenaf/Synthetic and Kevlar®/Cellulosic Fiber-Reinforced Hybrid Composites: A Review. <i>BioResources</i> , 2015, 10, 8580-8603.	1.0	51

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19	Torsional behaviour of filament wound kenaf yarn fibre reinforced unsaturated polyester composite hollow shafts. <i>Materials & Design</i> , 2015, 65, 953-960.	5.1	50
20	The mechanical performance of sugar palm fibres (ijuk) reinforced phenolic composites. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 1001-1008.	2.2	50
21	Natural fiber for green technology in automotive industry: A brief review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 368, 012012.	0.6	48
22	Effect of kenaf fibers on trauma penetration depth and ballistic impact resistance for laminated composites. <i>Textile Reseach Journal</i> , 2017, 87, 2051-2065.	2.2	47
23	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.	3.1	47
24	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.	0.6	46
25	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.	3.1	46
26	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.	4.6	44
27	Tensile and Compressive Properties of Woven Kenaf/Glass Sandwich Hybrid Composites. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-6.	2.7	43
28	Effect of Organo-Modified Nanoclay on the Mechanical Properties of Sugar Palm Fiber-reinforced Polyester Composites. <i>BioResources</i> , 2018, 13, .	1.0	43
29	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	42
30	Tension-Compression Fatigue Behavior of Plain Woven Kenaf/Kevlar Hybrid Composites. <i>BioResources</i> , 2016, 11, .	1.0	40
31	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.	2.7	39
32	Sugar Palm Fibre and its Composites: A Review of Recent Developments. <i>BioResources</i> , 2016, 11, .	1.0	34
33	Review of evolution of cellular manufacturing system's approaches: Material transferring models. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 131-149.	2.2	32
34	Ballistic Impact Resistance of Plain Woven Kenaf/Aramid Reinforced Polyvinyl Butyral Laminated Hybrid Composite. <i>BioResources</i> , 2016, 11, .	1.0	29
35	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.	3.1	28
36	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.	3.4	26

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37	Water Absorption Behaviour and Impact Strength of Kenaf-Kevlar Reinforced Epoxy Hybrid Composites. <i>Advanced Composites Letters</i> , 2016, 25, 096369351602500.	1.3	25
38	The Effects of Orientation on the Mechanical and Morphological Properties of Woven Kenaf-reinforced Poly Vinyl Butyral Film. <i>BioResources</i> , 2015, 11, .	1.0	24
39	Quasi-static penetration behavior of plain woven kenaf/aramid reinforced polyvinyl butyral hybrid laminates. <i>Journal of Industrial Textiles</i> , 2018, 47, 1427-1446.	2.4	24
40	Impregnation modification of sugar palm fibres with phenol formaldehyde and unsaturated polyester. <i>Fibers and Polymers</i> , 2013, 14, 250-257.	2.1	23
41	Effects of Kenaf Fiber Orientation on Mechanical Properties and Fatigue Life of Glass/Kenaf Hybrid Composites. <i>BioResources</i> , 2015, 11, .	1.0	23
42	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.	1.3	23
43	Development of a conceptual model for risk-based quality management system. <i>Total Quality Management and Business Excellence</i> , 2019, 30, 483-498.	3.8	23
44	Modeling for Green Supply Chain Evaluation. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-9.	1.1	21
45	Dynamic Mechanical Analysis of Treated and Untreated Sugar Palm Fibre-based Phenolic Composites. <i>BioResources</i> , 2017, 12, .	1.0	21
46	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.	0.6	20
47	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.	3.6	19
48	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.	2.1	19
49	Effect of Treatments on the Physical and Morphological Properties of SPF/Phenolic Composites. <i>Journal of Natural Fibers</i> , 2017, 14, 645-657.	3.1	19
50	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.	2.7	18
51	AA7075-ZrO ₂ Nanocomposites Produced by the Consecutive Solid-State Process: A Review of Characterisation and Potential Applications. <i>Metals</i> , 2021, 11, 805.	2.3	18
52	Rheological and Morphological Properties of Oil Palm Fiber-Reinforced Thermoplastic Composites for Fused Deposition Modeling (FDM). <i>Polymers</i> , 2021, 13, 3739.	4.5	18
53	Selection of Natural Fibre for Hybrid Laminated Composites Vehicle Spall Liners Using Analytical Hierarchy Process (AHP). <i>Applied Mechanics and Materials</i> , 0, 564, 400-405.	0.2	17
54	Dehulled coffee husk-based biocomposites for green building materials. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 1623-1638.	4.2	17

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55	Effects of Impregnation Time on Physical and Tensile Properties of Impregnated Sugar Palm (<i>Arenga pinnata</i>) Fibres. Key Engineering Materials, 0, 471-472, 1147-1152.	0.4	16
56	Mechanical Performance of Unstitched and Silk Fiber-Stitched Woven Kenaf Fiber-Reinforced Epoxy Composites. Materials, 2020, 13, 4801.	2.9	16
57	Reviewing the Literature of Inventory Models under Trade Credit Contact. Discrete Dynamics in Nature and Society, 2014, 2014, 1-19.	0.9	15
58	Effect of Fibre Loading on the Physical, Mechanical and Thermal Properties of Sugar Palm Fibre Reinforced Vinyl Ester Composites. Fibers and Polymers, 2019, 20, 1077-1084.	2.1	15
59	Physical, Mechanical and Morphological Properties of Sugar Palm Fiber Reinforced Polylactic Acid Composites. Fibers and Polymers, 2021, 22, 3095-3105.	2.1	15
60	Mechanical Properties of Sugar Palm (<i>Arenga pinnata</i> Wurmb. Merr)/Glass Fiber-Reinforced Poly(lactic) Tj ETQq0 0 0 r gBT /Overlock 10 T	4.5	15
61	Optimization of Warpage Defect in Injection Moulding Process Using ABS Material. , 2009, , .		14
62	Monotonic and fatigue properties of kenaf /glass hybrid composites under fully reversed cyclic loading. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012055.	0.6	14
63	Tensile Strength and Moisture Absorption of Sugar Palm-Polyvinyl Butyral Laminated Composites. Polymers, 2020, 12, 1923.	4.5	14
64	Effects of Impregnation Pressure on Physical and Tensile Properties of Impregnated Sugar Palm (<i>Arenga pinnata</i>) Fibres. Key Engineering Materials, 0, 471-472, 1153-1158.	0.4	13
65	Eco-Friendly Composites for Brake Pads From Agro Waste: A Review. , 2017, , 209-228.		13
66	Vertex angles effects in the energy absorption of axially crushed kenaf fibre-epoxy reinforced elliptical composite cones. Defence Technology, 2018, 14, 327-335.	4.2	13
67	Acoustic emission analysis for characterisation of damage mechanisms in glass fiber reinforced polyester composite. Australian Journal of Mechanical Engineering, 2018, 16, 11-20.	2.1	13
68	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.	2.7	13
69	Fabrication of Fibre Metal Laminate with Flax and Sugar Palm Fibre based Epoxy Composite and Evaluation of their Fatigue Properties. Journal of Polymer Materials, 2019, 35, 463-473.	0.3	13
70	Contribution of lean and Six Sigma to effective cost of quality management. International Journal of Productivity and Quality Management, 2014, 14, 149.	0.2	12
71	Low velocity impact properties of natural fiber-reinforced composite materials for aeronautical applications. , 2018, , 293-313.		12
72	Review of Kenaf Reinforced Hybrid Biocomposites: Potential for Defence Applications. Current Analytical Chemistry, 2018, 14, 226-240.	1.2	11

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73	Conceptualizing Smart Manufacturing Readiness-Maturity Model for Small and Medium Enterprise (SME) in Malaysia. Sustainability, 2021, 13, 9793.	3.2	11
74	Fatigue life prediction of textile/woven hybrid composites. , 2019, , 63-82.		10
75	Energy absorption capacities of kenaf fibre-reinforced epoxy composite elliptical cones with circumferential holes. Fibers and Polymers, 2017, 18, 1187-1192.	2.1	9
76	Experimental Comparison between Two Types of Hybrid Composite Materials in Compression Test. Manufacturing Science and Technology, 2015, 3, 119-123.	0.1	9
77	Minimizing makespan of a resource-constrained scheduling problem: A hybrid greedy and genetic algorithms. International Journal of Industrial Engineering Computations, 2015, 6, 503-520.	0.7	9
78	Incremental Sheet Forming (ISF) of AISI 316 Stainless Steel Sheet Using CNC Milling Machine. Advanced Materials Research, 0, 939, 322-327.	0.3	8
79	Effects of Processing Method, Moisture Content, and Resin System on Physical and Mechanical Properties of Woven Kenaf Plant Fiber Composites. BioResources, 2015, 11, .	1.0	8
80	Application of polymer composite materials in motorcycles: A comprehensive review. , 2021, , 401-426.		8
81	Influence of resin system on the energy absorption capability and morphological properties of plain woven kenaf composites. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012053.	0.6	7
82	A new method for decreasing cell-load variation in dynamic cellular manufacturing systems. International Journal of Industrial Engineering Computations, 2016, , 83-110.	0.7	7
83	Effect of Soil Burial on Physical, Mechanical and Thermal Properties of Sugar Palm Fibre Reinforced Vinyl Ester Composites. Fibers and Polymers, 2019, 20, 1893-1899.	2.1	7
84	Effect of alkaline and benzoyl chloride treatments on the mechanical and morphological properties of sugar palm fiber-reinforced poly(lactic acid) composites. Textile Research Journal, 0, , 004051752110418.	2.2	6
85	Physical, Mechanical, and Morphological Properties of Treated Sugar Palm/Glass Reinforced Poly(Lactic Acid) Hybrid Composites. Polymers, 2021, 13, 3620.	4.5	6
86	Filament Winding Process for Kenaf Fibre Reinforced Polymer Composites. , 2015, , 369-383.		5
87	Thermal and physicochemical properties of sugar palm fibre treated with borax. IOP Conference Series: Materials Science and Engineering, 2018, 368, 012038.	0.6	5
88	The Effects of CuO and SiO ₂ on Aluminum AA6061 Hybrid Nanocomposite as Reinforcements: A Concise Review. Coatings, 2021, 11, 972.	2.6	5
89	Pre-Treatment by Water Retting to Improve the Interfacial Bonding Strength of Sugar Palm Fibre Reinforced Epoxy Composite. Polymers From Renewable Resources, 2010, 1, 35-45.	1.3	4
90	Tensile Properties of Kenaf Yarn Fibre Reinforced Unsaturated Polyester Composites at Different Fibre Orientations. Applied Mechanics and Materials, 0, 564, 412-417.	0.2	4

#	ARTICLE	IF	CITATIONS
91	Review on Dynamic Cellular Manufacturing System. Advanced Science Letters, 2014, 20, 2309-2312.	0.2	4
92	Quasi-Static Compression Properties of Bamboo and PVC Tube Reinforced Polymer Foam Structures. Polymers, 2021, 13, 3603.	4.5	4
93	Improving productivity and efficiency of a vehicle seat assembly line in a manufacturing company. , 0, , .		3
94	Sugar Palm Fibre-Reinforced Unsaturated Polyester Composite Interface Characterisation by Pull-Out Test. Key Engineering Materials, 0, 471-472, 1034-1039.	0.4	3
95	The Effect of Forming Parameters on the Sheet Stretch in Incremental Sheet Forming (ISF) Process on CNC Lathe Machine. Advanced Materials Research, 0, 634-638, 2894-2898.	0.3	3
96	Literature Review on Dynamic Cellular Manufacturing System. IOP Conference Series: Materials Science and Engineering, 2014, 58, 012016.	0.6	3
97	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.	0.6	3
98	Crushing behavior of kenaf fiber/wooden stick reinforced epoxy hybrid "œgreen" composite elliptical tubes. Polimery, 2018, 63, 436-443.	0.7	3
99	Hoop tensile strength behaviour between different thicknesses E-glass and S-glass FRP rings. AIMS Materials Science, 2019, 6, 315-327.	1.4	3
100	Production of Aluminum AA6061 Hybrid Nanocomposite from Waste Metal Using Hot Extrusion Process: Strength Performance and Prediction by RSM and Random Forest. Materials, 2021, 14, 6102.	2.9	3
101	The Effect of Solid-State Processes and Heat Treatment on the Properties of AA7075 Aluminum Waste Recycling Nanocomposite. Materials, 2021, 14, 6667.	2.9	3
102	LEAN IMPACT ON MANUFACTURING PRODUCTIVITY: A CASE STUDY OF INDUSTRIALIZED BUILDING SYSTEM (IBS) MANUFACTURING FACTORY. Jurnal Teknologi (Sciences and Engineering), 2022, 84, 65-77.	0.4	3
103	Influence of Leadership Behavior on Project Management Performance in Malaysian Industries. Applied Mechanics and Materials, 0, 564, 673-677.	0.2	2
104	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.	1.6	2
105	Effects of drilling parameters on delamination of kenaf-glass fibre reinforced unsaturated polyester composites. Journal of Industrial Textiles, 2022, 51, 3057S-3076S.	2.4	2
106	Developing a Framework for Sustainable Supply Chain Management. Applied Mechanics and Materials, 0, 564, 661-666.	0.2	1
107	Quality Management System and Risk Management System: Similarities and Possibilities for Integration. Applied Mechanics and Materials, 0, 564, 700-705.	0.2	1
108	Process parameters for cylindrical deep drawing components. Advances in Materials and Processing Technologies, 2015, 1, 542-548.	1.4	1

#	ARTICLE	IF	CITATIONS
109	Study Of Interior Temperature Distribution And Implementation Of Smart Materials In The Truck Cabin During Summer Conditions. Materials Today: Proceedings, 2019, 18, 361-374.	1.8	1
110	Characterisation of the tensile and fracture properties of filament wound natural fibre rings. AIP Conference Proceedings, 2020, , .	0.4	1
111	Development and performance analysis of hybrid composite side door impact beam: An experimental investigation. , 2021, , 173-197.		1
112	A Comparison Study on Different Toolpath Strategy in Pocket Milling of AISI 420 Stainless Steel. Advanced Science Letters, 2012, 13, 853-857.	0.2	1
113	Effect of kenaf fibers on trauma penetration depth and ballistic impact resistance for laminated composites. , 0, .		1
114	Quasi-static penetration behavior of plain woven kenaf/aramid reinforced polyvinyl butyral hybrid laminates. , 0, .		1
115	The viability of microwave sintering process to produce a ceramic tool insert. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3462-3475.	0.9	1
116	Effect of chip load and spindle speed on cutting force of Hastelloy X. Journal of Mechanical Engineering and Sciences, 2020, 14, 6497-6503.	0.6	1
117	Thermal Parameter Affects on the Part Built Using 3D Printer Projet SD 3000. Materials Science Forum, 0, 773-774, 833-841.	0.3	0
118	Cab Transfer Process Improvement at an Automotive Manufacturing Facility. Applied Mechanics and Materials, 0, 564, 105-109.	0.2	0
119	Fluid flow analysis of E-glass fiber reinforced pipe joints in oil and gas industry. AIP Conference Proceedings, 2018, , .	0.4	0
120	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.	0.4	0
121	Quasi-static crush behaviour of environmentally friendly kenaf/wool epoxy composites elliptical tube. Journal of Mechanical Engineering and Sciences, 2018, 12, 3671-3688.	0.6	0
122	Environmental effects on the mechanical properties of E-glass and S-glass fiber epoxy composite ring specimens used in aircraft fuel pipes. INCAS Bulletin, 2021, 13, 17-24.	0.6	0
123	Single Fiber Test Behavior of Lignocellulose Sugar Palm Fibers: Effect of Treatments. Key Engineering Materials, 0, 925, 37-46.	0.4	0