Mohd Ridzuan Mohd Jamir

List of Publications by Year
in descending order

103 papers	1,547 citations	304743 22 h-index	330143 37 g-index
106 all docs	106 docs citations	106 times ranked	1375 citing authors

#	Article	IF	Citations
1	Physical, Thermal Transport, and Compressive Properties of Epoxy Composite Filled with Graphitic- and Ceramic-Based Thermally Conductive Nanofillers. Polymers, 2022, 14, 1014.	4.5	9
2	Damage self-sensing and strain monitoring of glass-reinforced epoxy composite impregnated with graphene nanoplatelet and multiwalled carbon nanotubes. Nanotechnology Reviews, 2022, 11, 1977-1990.	5.8	4
3	Regression Analysis of the Dielectric and Morphological Properties for Porous Nanohydroxyapatite/Starch Composites: A Correlative Study. International Journal of Molecular Sciences, 2022, 23, 5695.	4.1	0
4	Dielectric Properties of Hydrothermally Modified Potato, Corn, and Rice Starch. Agriculture (Switzerland), 2022, 12, 783.	3.1	5
5	Alkali treatment influence on cellulosic fiber from Furcraea foetida leaves as potential reinforcement of polymeric composites. Journal of Materials Research and Technology, 2022, 19, 2567-2583.	5.8	24
6	Dielectric and material analysis on physicochemical activity of porous hydroxyapatite/cornstarch composites. International Journal of Biological Macromolecules, 2021, 166, 1543-1553.	7.5	10
7	Effect of thermal ageing on the scratch resistance of natural-fibre-reinforced epoxy composites. Composite Structures, 2021, 261, 113586.	5.8	18
8	Development and characterisation of packaging film from Napier cellulose nanowhisker reinforced polylactic acid (PLA) bionanocomposites. International Journal of Biological Macromolecules, 2021, 187, 43-53.	7.5	42
9	Low Frequency Dielectric and Optical Behavior on Physicochemical Properties of Hydroxyapatite/Cornstarch Composite. Journal of Colloid and Interface Science, 2021, 600, 187-198.	9.4	12
10	The Effect of Stacking Sequence and Ply Orientation on the Mechanical Properties of Pineapple Leaf Fibre (PALF)/Carbon Hybrid Laminate Composites. Polymers, 2021, 13, 455.	4.5	26
11	Physical, thermal, and mechanical properties of highly porous polylactic acid/cellulose nanofibre scaffolds prepared by salt leaching technique. Nanotechnology Reviews, 2021, 10, 1469-1483.	5.8	8
12	A comparative study on chitosan/gelatin composite films with incorporated Pith and Cortex of Napier Grass.. Journal of Physics: Conference Series, 2021, 2051, 012023.	0.4	1
13	Bending strength analysis of HDPE plastic reinforced wood waste and thermoplastic polymer to replace ceramic tile composites. Journal of Physics: Conference Series, 2021, 2051, 012045.	0.4	1
14	Dynamic mechanical analysis of graphene nanoplatelets/glass reinforced epoxy composite. Journal of Physics: Conference Series, 2021, 2051, 012046.	0.4	1
15	The Effect of Stacking Sequence on Fatigue Behaviour of Hybrid Pineapple Leaf Fibre/Carbon-Fibre-Reinforced Epoxy Composites. Polymers, 2021, 13, 3936.	4.5	6
16	Heat transfer improvement in simulated small battery compartment using metal oxide (CuO)/deionized water nanofluid. Heat and Mass Transfer, 2020, 56, 399-406.	2.1	11
17	The effect of nanomodified epoxy on the tensile and flexural properties of Napier fiber reinforced composites. Polymer Composites, 2020, 41, 824-837.	4.6	25
18	Effect of natural filler loading, multi-walled carbon nanotubes (MWCNTs), and moisture absorption on the dielectric constant of natural filled epoxy composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114744.	3.5	9

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19	Morphological and optical properties of porous hydroxyapatite/cornstarch (HAp/Cs) composites. Journal of Materials Research and Technology, 2020, 9, 14267-14282.	5.8	10
20	The Effect of the Amylose/Amylopectin Contents of Starch on Porosity and Dielectric Properties of the Porous Hydroxyapatite/Starch Composites. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012198.	0.6	0
21	Influence of distilled water and alkaline solution on the scratch resistance properties of Napier fibre filled epoxy (NFFE) composites. Journal of Materials Research and Technology, 2020, 9, 14412-14424.	5.8	5
22	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. Bulletin of Materials Science, 2020, 43, 1.	1.7	6
23	Characterisation and Comparison of Pith and Cortex of Napier Grass Stem. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012138.	0.6	1
24	Isolation and characterisation of cellulose from cortex, pith and whole of the Pennisetum purpureum: Effect of sodium hydroxide concentration. Journal of Materials Research and Technology, 2020, 9, 15057-15071.	5.8	13
25	Fire exposure, impact responses, and burst tests of glass-reinforced epoxy (GRE) composite pipes. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012129.	0.6	0
26	Microwave Dielectric Analysis on Porous Hydroxyapatite/Starch Composites with Various Ratio of Hydroxyapatite to Starch. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012175.	0.6	1
27	Analysis and physicochemical properties of cellulose nanowhiskers from Pennisetum purpureum via different acid hydrolysis reaction time. International Journal of Biological Macromolecules, 2020, 155, 241-248.	7.5	10
28	Effect of nanoclay filler on mechanical and morphological properties of Napier/ epoxy composites. , 2020, , 137-162.		5
29	Structural, Morphological and Thermal Properties of Cellulose Nanofibers from Napier fiber (Pennisetum purpureum). Materials, 2020, 13, 4125.	2.9	35
30	Preparation and Performance Test of PEFB Reinforced Box Waste Coated Superhydrophobic Coating for Shoe Sole Application. International Journal of Integrated Engineering, 2020, 12, .	0.4	0
31	Adsorbent from orange peel for Remazol Brilliant dye removal: Equilibrium and kinetic studies. AIP Conference Proceedings, 2019, , .	0.4	4
32	Effect of pineapple leaf (PALF), napier, and hemp fibres as filler on the scratch resistance of epoxy composites. Journal of Materials Research and Technology, 2019, 8, 5384-5395.	5.8	46
33	Hydrothermal ageing effect on the mechanical behaviour and fatigue response of aluminium alloy/glass/epoxy hybrid composite single lap joints. Composite Structures, 2019, 219, 69-82.	5.8	21
34	Influence of hydrothermal ageing on the mechanical properties of an adhesively bonded joint with different adherends. Composites Part B: Engineering, 2019, 165, 572-585.	12.0	48
35	Study on deformation characteristics of tailored blanks having thickness distribution by successive forging process. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012064.	0.6	0
36	Characterisation of structural and physical properties of cellulose nanofibers from Pennisetum purpureum. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012043.	0.6	5

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37	CFD analysis of hydrodynamic lubrication effects of micro textured surface. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012061.	0.6	0
38	Dielectric properties of kenaf filled epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012047.	0.6	2
39	Thermal polymer composites of hybrid fillers. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012037.	0.6	3
40	Design and Development of Three-Phase Voltage Source Inverter for Variable Frequency Drive. IOP Conference Series: Materials Science and Engineering, 2019, 705, 012016.	0.6	9
41	Flexural properties of hybrid synthetic/Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012034.	0.6	1
42	Hardened Glass Particle and Carbon Black Using Resin for Potential Electromagnetic Shielding in Biomedical Electronic Equipments. Journal of Physics: Conference Series, 2019, 1372, 012072.	0.4	0
43	Displacement response of femur with various deformity angles under vertical load: FEA and experiment. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012072.	0.6	0
44	Impact response performance of pineapple leaf fibre (PALF)/carbon reinforced hybrid composite. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012029.	0.6	1
45	Impact response of Napier fibre reinforced nanomodified epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012050.	0.6	0
46	Effect of moisture exposure and elevated temperatures on impact response of Pennisetum purpureum/glass-reinforced epoxy (PGRE) hybrid composites. Composites Part B: Engineering, 2019, 160, 84-93.	12.0	32
47	Residual strength of fire-exposed glass-reinforced epoxy composite pipes. Materialpruefung/Materials Testing, 2019, 61, 618-620.	2.2	0
48	Experimental study on gasâ€“liquid flow distributions in upward multi-pass channelsâ€”Comparison of R-134a flow and airâ€“water flow. Experimental Thermal and Fluid Science, 2018, 91, 134-143.	2.7	4
49	Behaviour of GRE composite pipes after fire exposure under dry and wet internal conditioning. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012012.	0.6	0
50	Fracture risk prediction on children with Osteogenesis Imperfecta subjected to loads under activity of daily living. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012004.	0.6	7
51	Impact properties of interwoven hemp/polyethylene terephthalate (PET) hybrid composites. AIP Conference Proceedings, 2018, , .	0.4	3
52	The effect of alkali treatment on the tensile properties of hybrid Napier/glass reinforced epoxy composites. AIP Conference Proceedings, 2018, , .	0.4	1
53	Experimental study on the fatigue strength of bonded/bolted metal-fibre. AIP Conference Proceedings, 2018, , .	0.4	2
54	Water ageing effect on the strength of adhesively bonded joints. AIP Conference Proceedings, 2018, , .	0.4	0

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55	Dynamic mechanical analysis and effects of moisture on mechanical properties of interwoven hemp/polyethylene terephthalate (PET) hybrid composites. Construction and Building Materials, 2018, 179, 265-276.	7.2	64
56	First-ply failure prediction of glass/epoxy composite pipes using an artificial neural network model. Composite Structures, 2018, 200, 579-588.	5.8	27
57	Tensile and fatigue properties of single lap joints of aluminium alloy/glass fibre reinforced composites fabricated with different joining methods. Composite Structures, 2018, 200, 647-658.	5.8	47
58	Mechanical, thermal and morphological characterisation of 3D porous Pennisetum purpureum/PLA biocomposites scaffold. Materials Science and Engineering C, 2017, 75, 752-759.	7.3	54
59	Effect of water absorption on the mechanical properties of hybrid interwoven cellulosic-cellulosic fibre reinforced epoxy composites. Composite Structures, 2017, 167, 227-237.	5.8	159
60	The effects of alkali treatment on the mechanical and morphological properties of Pennisetum purpureum/glass-reinforced epoxy hybrid composites. Plastics, Rubber and Composites, 2017, 46, 421-430.	2.0	18
61	Failure prediction of Â±55Â° glass/epoxy composite pipes using system identification modelling. Journal of Physics: Conference Series, 2017, 908, 012012.	0.4	0
62	Impact responses, compressive and burst tests of glass/epoxy (GRE) composite pipes. Journal of Physics: Conference Series, 2017, 908, 012021.	0.4	2
63	Tensile properties of compressed moulded Napier/glass fibre reinforced epoxy composites. Journal of Physics: Conference Series, 2017, 908, 012013.	0.4	4
64	Effect of nano-clay fillers on mechanical and morphological properties of Napier/epoxy Composites. Journal of Physics: Conference Series, 2017, 908, 012010.	0.4	13
65	Effect of elevated temperatures on flexural strength of hybrid Napier/glass reinforced epoxy composites. Journal of Physics: Conference Series, 2017, 908, 012017.	0.4	1
66	In vitro degradation of a 3D porous Pennisetum purpureum/PLA biocomposite scaffold. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 74, 383-391.	3.1	30
67	Influence of hydrothermal ageing on the compressive behaviour of glass fibre/epoxy composite pipes. Composite Structures, 2017, 159, 350-360.	5.8	54
68	Failure envelope modelling of glass/epoxy composite pipes using system identification method. , 2017, , .		0
69	Effect of elevated temperature on the tensile strength of Napier/glass-epoxy hybrid reinforced composites. AIP Conference Proceedings, 2017, , .	0.4	2
70	Effects of fibre loading and moisture absorption on the tensile properties of hybrid Napier/glass/epoxy composites. Journal of Physics: Conference Series, 2017, 908, 012014.	0.4	7
71	Tensile properties of interwoven hemp/PET (Polyethylene Terephthalate) epoxy hybrid composites. Journal of Physics: Conference Series, 2017, 908, 012011.	0.4	2
72	Biodegradation of PLA-Pennisetum purpureum based biocomposite scaffold. Journal of Physics: Conference Series, 2017, 908, 012029.	0.4	5

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73	Effect of stress ratio on the fatigue behaviour of glass/epoxy composite. Journal of Physics: Conference Series, 2017, 908, 012030.	0.4	2
74	Water absorption behaviour of hybrid interwoven cellulosic fibre composites. Journal of Physics: Conference Series, 2017, 908, 012015.	0.4	3
75	Single fibre strength of cellulosic fibre extracted from â€œBelatlan rootsâ€•plant. AIP Conference Proceedings, 2017, , .	0.4	0
76	Determination of effective elastic properties of metal matrix composites with damage particulates using homogenization method. Journal of Physics: Conference Series, 2017, 908, 012027.	0.4	0
77	The characterization of polylactic acid-Napier fibres as scaffolds for tissue engineering. , 2016, , .		0
78	Compressive properties of Napier (Pennisetum Purpureum) filled polyester composites. Plastics, Rubber and Composites, 2016, 45, 136-146.	2.0	27
79	Thermal behaviour and dynamic mechanical analysis of Pennisetum purpureum/glass-reinforced epoxy hybrid composites. Composite Structures, 2016, 152, 850-859.	5.8	101
80	Moisture absorption and mechanical degradation of hybrid Pennisetum purpureum/glassâ€“epoxy composites. Composite Structures, 2016, 141, 110-116.	5.8	74
81	Characterisation of natural cellulosic fibre from Pennisetum purpureum stem as potential reinforcement of polymer composites. Materials and Design, 2016, 89, 839-847.	7.0	146
82	Recognition system of Underground Object Shape using ground penetrating radar datagram. , 2015, , .		1
83	The Effects of the Alkaline Treatment's Soaking Exposure on the Tensile Strength of Napier Fibre. Procedia Manufacturing, 2015, 2, 353-358.	1.9	34
84	An Experimental Investigation of Palm Pressed Fibre Waste as Lubricant in Strip Drawing. Jurnal Teknologi (Sciences and Engineering), 2014, 66, .	0.4	0
85	Finite Element and Experimental Study of Friction and Lubricants in Strip Drawing. Applied Mechanics and Materials, 2014, 554, 345-349.	0.2	0
86	COP Improvement of Thermoelectric Cooler through the Optimization of Heat Dissipation System. Applied Mechanics and Materials, 2014, 554, 241-245.	0.2	2
87	Properties of Palm Pressed Fibre for Metal Forming Lubricant Applications. Procedia Engineering, 2013, 68, 130-137.	1.2	8
88	Correlation between Contact Load and Surface Roughness in Plane Strain Extrusion. Procedia Engineering, 2013, 68, 634-638.	1.2	1
89	Minimum Quantity Lubrication in Cold Work Drawing Process: Effects on Forming Load and Surface Roughness. Procedia Engineering, 2013, 68, 639-646.	1.2	3
90	Paraffinic mineral oil lubrication for cold forward extrusion: Effect of lubricant quantity and friction. Tribology International, 2013, 60, 111-115.	5.9	38

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91	Effect of Surface Roughness of Pure Aluminium A1100 on the Cold Work Extrusion by Using Different Angles of Taper Die. Key Engineering Materials, 2013, 594-595, 546-550.	0.4	1
92	Identification of Limiting Friction Coefficient towards Improved Hip Prostheses. Advanced Materials Research, 2013, 795, 69-73.	0.3	0
93	Viscosity Analysis of Empty Fruit Bunch (EFB) Bio-Oil. Journal of Mechanical Engineering and Sciences, 2013, 5, 623-630.	0.6	3
94	Effect of extrusion ratio on paraffinic mineral oil lubricant in cold forward extrusion. , 2012, , .		3
95	A study of minimum quantity lubricant of refined bleached deodorized palm stearin in plane strain extrusion. , 2012, , .		1
96	Experimental evaluation of palm oil as lubricant in cold forward extrusion process. International Journal of Mechanical Sciences, 2011, 53, 549-555.	6.7	105
97	The Effect of Lubricant Viscosity in High Pressure Forming. , 2010, , .		0
98	Design and Development of Tracking System for Mines Detector Robot. Key Engineering Materials, 0, 594-595, 919-923.	0.4	0
99	Performance of Thermoelectric Cooling System: Effect of Aluminium Heat Sink and Heat Dissipation. Key Engineering Materials, 0, 594-595, 1122-1125.	0.4	0
100	Adsorption of Remazol Brilliant Violet 5R dye from aqueous solution onto melunak and rubberwood sawdust based activated carbon: interaction mechanism, isotherm, kinetic and thermodynamic properties. , 0, 216, 401-411.		12
101	Effect of synthetic fibres on tensile properties of Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 0, 670, 012019.	0.6	0
102	Isolation and characterisation of nanowhisker cellulose from Pennisetum purpureum. IOP Conference Series: Materials Science and Engineering, 0, 670, 012044.	0.6	2
103	Influence of Cellulose Filler Extracted from Napier Grass on Thermal Characterizations, Moisture Content, Tensile Strength, Biodegradation, and Morphological Structure of Bioplastic Films. Journal of Natural Fibers, 0, , 1-12.	3.1	0