

Mohd Ridzuan Mohd Jamir

List of Publications by Year in descending order

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103
papers

1,547
citations

346980

22
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371746

37
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106
all docs

106
docs citations

106
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, Thermal Transport, and Compressive Properties of Epoxy Composite Filled with Graphitic- and Ceramic-Based Thermally Conductive Nanofillers. <i>Polymers</i> , 2022, 14, 1014.	2.0	9
2	Damage self-sensing and strain monitoring of glass-reinforced epoxy composite impregnated with graphene nanoplatelet and multiwalled carbon nanotubes. <i>Nanotechnology Reviews</i> , 2022, 11, 1977-1990.	2.6	4
3	Regression Analysis of the Dielectric and Morphological Properties for Porous Nanohydroxyapatite/Starch Composites: A Correlative Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5695.	1.8	0
4	Dielectric Properties of Hydrothermally Modified Potato, Corn, and Rice Starch. <i>Agriculture (Switzerland)</i> , 2022, 12, 783.	1.4	5
5	Alkali treatment influence on cellulosic fiber from <i>Furcraea foetida</i> leaves as potential reinforcement of polymeric composites. <i>Journal of Materials Research and Technology</i> , 2022, 19, 2567-2583.	2.6	24
6	Dielectric and material analysis on physicochemical activity of porous hydroxyapatite/cornstarch composites. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1543-1553.	3.6	10
7	Effect of thermal ageing on the scratch resistance of natural-fibre-reinforced epoxy composites. <i>Composite Structures</i> , 2021, 261, 113586.	3.1	18
8	Development and characterisation of packaging film from Napier cellulose nanowhisker reinforced polylactic acid (PLA) bionanocomposites. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 43-53.	3.6	42
9	Low Frequency Dielectric and Optical Behavior on Physicochemical Properties of Hydroxyapatite/Cornstarch Composite. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 187-198.	5.0	12
10	The Effect of Stacking Sequence and Ply Orientation on the Mechanical Properties of Pineapple Leaf Fibre (PALF)/Carbon Hybrid Laminate Composites. <i>Polymers</i> , 2021, 13, 455.	2.0	26
11	Physical, thermal, and mechanical properties of highly porous polylactic acid/cellulose nanofibre scaffolds prepared by salt leaching technique. <i>Nanotechnology Reviews</i> , 2021, 10, 1469-1483.	2.6	8
12	A comparative study on chitosan/gelatin composite films with incorporated Pith and Cortex of Napier Grass.. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012023.	0.3	1
13	Bending strength analysis of HDPE plastic reinforced wood waste and thermoplastic polymer to replace ceramic tile composites. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012045.	0.3	1
14	Dynamic mechanical analysis of graphene nanoplatelets/glass reinforced epoxy composite. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012046.	0.3	1
15	The Effect of Stacking Sequence on Fatigue Behaviour of Hybrid Pineapple Leaf Fibre/Carbon-Fibre-Reinforced Epoxy Composites. <i>Polymers</i> , 2021, 13, 3936.	2.0	6
16	Heat transfer improvement in simulated small battery compartment using metal oxide (CuO)/deionized water nanofluid. <i>Heat and Mass Transfer</i> , 2020, 56, 399-406.	1.2	11
17	The effect of nanomodified epoxy on the tensile and flexural properties of Napier fiber reinforced composites. <i>Polymer Composites</i> , 2020, 41, 824-837.	2.3	25
18	Effect of natural filler loading, multi-walled carbon nanotubes (MWCNTs), and moisture absorption on the dielectric constant of natural filled epoxy composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114744.	1.7	9

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19	Morphological and optical properties of porous hydroxyapatite/cornstarch (HAp/Cs) composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14267-14282.	2.6	10
20	The Effect of the Amylose/Amylopectin Contents of Starch on Porosity and Dielectric Properties of the Porous Hydroxyapatite/Starch Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012198.	0.3	0
21	Influence of distilled water and alkaline solution on the scratch resistance properties of Napier fibre filled epoxy (NFFE) composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14412-14424.	2.6	5
22	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	6
23	Characterisation and Comparison of Pith and Cortex of Napier Grass Stem. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012138.	0.3	1
24	Isolation and characterisation of cellulose from cortex, pith and whole of the <i>Pennisetum purpureum</i> : Effect of sodium hydroxide concentration. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15057-15071.	2.6	13
25	Fire exposure, impact responses, and burst tests of glass-reinforced epoxy (GRE) composite pipes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012129.	0.3	0
26	Microwave Dielectric Analysis on Porous Hydroxyapatite/Starch Composites with Various Ratio of Hydroxyapatite to Starch. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012175.	0.3	1
27	Analysis and physicochemical properties of cellulose nanowhiskers from <i>Pennisetum purpureum</i> via different acid hydrolysis reaction time. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 241-248.	3.6	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 (<i>Pennisetum purpureum</i>). <i>Materials</i> , 2020, 13, 4125.	1.3	35
30	Preparation and Performance Test of PEFB Reinforced Box Waste Coated Superhydrophobic Coating for Shoe Sole Application. <i>International Journal of Integrated Engineering</i> , 2020, 12, .	0.2	0
31	Adsorbent from orange peel for Remazol Brilliant dye removal: Equilibrium and kinetic studies. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
32	Effect of pineapple leaf (PALF), napier, and hemp fibres as filler on the scratch resistance of epoxy composites. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5384-5395.	2.6	46
33	Hydrothermal ageing effect on the mechanical behaviour and fatigue response of aluminium alloy/glass/epoxy hybrid composite single lap joints. <i>Composite Structures</i> , 2019, 219, 69-82.	3.1	21
34	Influence of hydrothermal ageing on the mechanical properties of an adhesively bonded joint with different adherends. <i>Composites Part B: Engineering</i> , 2019, 165, 572-585.	5.9	48
35	Study on deformation characteristics of tailored blanks having thickness distribution by successive forging process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012064.	0.3	0
36	Characterisation of structural and physical properties of cellulose nanofibers from <i>Pennisetum purpureum</i> . <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012043.	0.3	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.	0.3	0
38	Dielectric properties of kenaf filled epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012047.	0.3	2
39	Thermal polymer composites of hybrid fillers. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012037.	0.3	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.	0.3	9
41	Flexural properties of hybrid synthetic/Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012034.	0.3	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.	0.3	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.	0.3	0
44	Impact response performance of pineapple leaf fibre (PALF)/carbon reinforced hybrid composite. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012029.	0.3	1
45	Impact response of Napier fibre reinforced nanomodified epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012050.	0.3	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.	5.9	32
47	Residual strength of fire-exposed glass-reinforced epoxy composite pipes. Materialpruefung/Materials Testing, 2019, 61, 618-620.	0.8	0
48	Experimental study on gas-liquid flow distributions in upward multi-pass channels-Comparison of R-134a flow and air-water flow. Experimental Thermal and Fluid Science, 2018, 91, 134-143.	1.5	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.	0.3	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.	0.3	7
51	Impact properties of interwoven hemp/polyethylene terephthalate (PET) hybrid composites. AIP Conference Proceedings, 2018, , .	0.3	3
52	The effect of alkali treatment on the tensile properties of hybrid Napier/glass reinforced epoxy composites. AIP Conference Proceedings, 2018, , .	0.3	1
53	Experimental study on the fatigue strength of bonded/bolted metal-fibre. AIP Conference Proceedings, 2018, , .	0.3	2
54	Water ageing effect on the strength of adhesively bonded joints. AIP Conference Proceedings, 2018, , .	0.3	0

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55	Dynamic mechanical analysis and effects of moisture on mechanical properties of interwoven hemp/polyethylene terephthalate (PET) hybrid composites. <i>Construction and Building Materials</i> , 2018, 179, 265-276.	3.2	64
56	First-ply failure prediction of glass/epoxy composite pipes using an artificial neural network model. <i>Composite Structures</i> , 2018, 200, 579-588.	3.1	27
57	Tensile and fatigue properties of single lap joints of aluminium alloy/glass fibre reinforced composites fabricated with different joining methods. <i>Composite Structures</i> , 2018, 200, 647-658.	3.1	47
58	Mechanical, thermal and morphological characterisation of 3D porous <i>Pennisetum purpureum</i> /PLA biocomposites scaffold. <i>Materials Science and Engineering C</i> , 2017, 75, 752-759.	3.8	54
59	Effect of water absorption on the mechanical properties of hybrid interwoven cellulosic-cellulosic fibre reinforced epoxy composites. <i>Composite Structures</i> , 2017, 167, 227-237.	3.1	159
60	The effects of alkali treatment on the mechanical and morphological properties of <i>Pennisetum purpureum</i> /glass-reinforced epoxy hybrid composites. <i>Plastics, Rubber and Composites</i> , 2017, 46, 421-430.	0.9	18
61	Failure prediction of $\pm 55^\circ$ glass/epoxy composite pipes using system identification modelling. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012012.	0.3	0
62	Impact responses, compressive and burst tests of glass/epoxy (GRE) composite pipes. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012021.	0.3	2
63	Tensile properties of compressed moulded Napier/glass fibre reinforced epoxy composites. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012013.	0.3	4
64	Effect of nano-clay fillers on mechanical and morphological properties of Napier/epoxy Composites. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012010.	0.3	13
65	Effect of elevated temperatures on flexural strength of hybrid Napier/glass reinforced epoxy composites. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012017.	0.3	1
66	In vitro degradation of a 3D porous <i>Pennisetum purpureum</i> /PLA biocomposite scaffold. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 74, 383-391.	1.5	30
67	Influence of hydrothermal ageing on the compressive behaviour of glass fibre/epoxy composite pipes. <i>Composite Structures</i> , 2017, 159, 350-360.	3.1	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. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
70	Effects of fibre loading and moisture absorption on the tensile properties of hybrid Napier/glass/epoxy composites. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012014.	0.3	7
71	Tensile properties of interwoven hemp/PET (Polyethylene Terephthalate) epoxy hybrid composites. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012011.	0.3	2
72	Biodegradation of PLA- <i>Pennisetum purpureum</i> based biocomposite scaffold. <i>Journal of Physics: Conference Series</i> , 2017, 908, 012029.	0.3	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.	0.3	2
74	Water absorption behaviour of hybrid interwoven cellulosic fibre composites. Journal of Physics: Conference Series, 2017, 908, 012015.	0.3	3
75	Single fibre strength of cellulosic fibre extracted from "Belatlan roots" plant. AIP Conference Proceedings, 2017, , .	0.3	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.	0.3	0
77	The characterization of polylactic acid-Napier fibres as scaffolds for tissue engineering. , 2016, , .		0
78	Compressive properties of Napier (<i>Pennisetum Purpureum</i>) filled polyester composites. Plastics, Rubber and Composites, 2016, 45, 136-146.	0.9	27
79	Thermal behaviour and dynamic mechanical analysis of Pennisetum purpureum/glass-reinforced epoxy hybrid composites. Composite Structures, 2016, 152, 850-859.	3.1	101
80	Moisture absorption and mechanical degradation of hybrid Pennisetum purpureum/glass-epoxy composites. Composite Structures, 2016, 141, 110-116.	3.1	74
81	Characterisation of natural cellulosic fibre from Pennisetum purpureum stem as potential reinforcement of polymer composites. Materials and Design, 2016, 89, 839-847.	3.3	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, .	0.3	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.	3.0	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.	0.3	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.	3.6	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.	0.3	0
102	Isolation and characterisation of nanowhisker cellulose from Pennisetum purpureum. IOP Conference Series: Materials Science and Engineering, 0, 670, 012044.	0.3	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.	1.7	0