

M S Abdul Majid

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characterization of New Cellulosic <i>Cyrtostachys renda</i> and <i>Ptychosperma macarthurii</i> Fibers from Landscaping Plants. <i>Journal of Natural Fibers</i> , 2022, 19, 669-684.	3.1	17
2	Lignocellulosic fiber reinforced composites: Progress, performance, properties, applications, and future perspectives. <i>Polymer Composites</i> , 2022, 43, 645-691.	4.6	182
3	Characteristics of the Surface Topography and Tribological Properties of Reinforced Aluminum Matrix Composite. <i>Materials</i> , 2022, 15, 358.	2.9	4
4	Optimising a packed bed phase change material of spheres using effectiveness-number of transfer unit method. <i>Journal of Energy Storage</i> , 2022, 49, 104019.	8.1	4
5	Physical, Thermal Transport, and Compressive Properties of Epoxy Composite Filled with Graphitic- and Ceramic-Based Thermally Conductive Nanofillers. <i>Polymers</i> , 2022, 14, 1014.	4.5	9
6	Dielectric and biodegradation properties of biodegradable nano-hydroxyapatite/starch bone scaffold. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3215-3226.	5.8	18
7	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.	5.8	4
8	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.	4.1	0
9	Dielectric Properties of Hydrothermally Modified Potato, Corn, and Rice Starch. <i>Agriculture (Switzerland)</i> , 2022, 12, 783.	3.1	5
10	Areca/synthetic fibers reinforced based epoxy hybrid composites for semi-structural applications. <i>Polymer Composites</i> , 2022, 43, 5222-5234.	4.6	15
11	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.	5.8	24
12	Dielectric and material analysis on physicochemical activity of porous hydroxyapatite/cornstarch composites. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1543-1553.	7.5	10
13	Design and development of an automated temperature of <i>Volvariella</i> mushroom controlled room. <i>AIP Conference Proceedings</i> , 2021, . .	0.4	0
14	The Effects of Stacking Sequence on Dynamic Mechanical Properties and Thermal Degradation of Kenaf/Jute Hybrid Composites. <i>Journal of Renewable Materials</i> , 2021, 9, 73-84.	2.2	9
15	Physico-mechanical and Flammability Properties of <i>Cyrtostachys renda</i> Fibers Reinforced Phenolic Resin Bio-composites. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3703-3720.	5.0	11
16	Effect of thermal ageing on the scratch resistance of natural-fibre-reinforced epoxy composites. <i>Composite Structures</i> , 2021, 261, 113586.	5.8	18
17	Investigation of Vortex-Induced Vibration with Different Width of Two Bluff Bodies in Tandem Arrangement for Energy Harvesting System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 765, 012080.	0.3	1
18	Design and Analysis of Exhaust Manifold for a Single-cylinder Internal Combustion Engine (ICE). <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 765, 012083.	0.3	0

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19	Experimental Investigation of Thrust Force, Delamination and Surface Roughness in Drilling Hybrid Structural Composites. <i>Materials</i> , 2021, 14, 4468.	2.9	7
20	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.	7.5	42
21	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.	9.4	12
22	Polylactic Acid (PLA) Bio-Composite Film Reinforced with Nanocrystalline Cellulose from Napier Fibers. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 997-1003.	0.4	0
23	Evaluation of kenaf/glass fibre reinforced composites for bolted single lap joints under tension loading. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
24	Tensile properties of hybrid composites based on kenaf and glass fibre with the effect of stacking sequence: Water absorption behaviour. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
25	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.	4.5	26
26	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.	5.8	8
27	Structural and mechanical characterisation of cellulose nanofibers (CNF) from <i>Pennisetum Purpureum</i> reinforced with polylactic acid (PLA). <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012019.	0.4	3
28	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.	0.4	1
29	Tensile Properties of Hybridised Fire Retardants in Pineapple Leaf Fibre (PALF) Reinforced Polymer Composites. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012008.	0.4	1
30	Characterisation of Biocomposite Film with Napier based Nanocrystalline Cellulose. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012016.	0.4	1
31	Dynamic mechanical analysis of graphene nanoplatelets/glass reinforced epoxy composite. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012046.	0.4	1
32	Physical, Mechanical, and Morphological Properties of Hybrid <i>Cyrtostachys renda</i> /Kenaf Fiber Reinforced with Multi-Walled Carbon Nanotubes (MWCNT)-Phenolic Composites. <i>Polymers</i> , 2021, 13, 3448.	4.5	10
33	Swelling Behaviors of Composite film with Alternating Fibre Reinforcement and Aqueous Media.. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012024.	0.4	1
34	Review of Fatigue Responses of Fiber-Reinforced Polymer (FRP) Composite. , 2021, , 127-141.		3
35	The Effect of Stacking Sequence on Fatigue Behaviour of Hybrid Pineapple Leaf Fibre/Carbon-Fibre-Reinforced Epoxy Composites. <i>Polymers</i> , 2021, 13, 3936.	4.5	6
36	Surface characterization of laser-induced molten area in micro-grooving of silicon by ultraviolet (UV) laser. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012003.	0.4	0

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37	The effect of nanomodified epoxy on the tensile and flexural properties of Napier fiber reinforced composites. <i>Polymer Composites</i> , 2020, 41, 824-837.	4.6	25
38	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.	3.5	9
39	Gait Analysis with Kanri Distance Calculator following Anterior Cruciate Ligament Reconstruction. <i>Journal of Physics: Conference Series</i> , 2020, 1529, 042015.	0.4	0
40	Morphological and optical properties of porous hydroxyapatite/cornstarch (HAp/Cs) composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14267-14282.	5.8	10
41	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.	0.6	0
42	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.	5.8	5
43	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	6
44	Characterisation and Comparison of Pith and Cortex of Napier Grass Stem. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012138.	0.6	1
45	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.	5.8	13
46	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.	0.6	0
47	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.	0.6	1
48	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.	7.5	10
49	Investigations on the Mechanical Properties of Glass Fiber/Sisal Fiber/Chitosan Reinforced Hybrid Polymer Sandwich Composite Scaffolds for Bone Fracture Fixation Applications. <i>Polymers</i> , 2020, 12, 1501.	4.5	35
50	Characterization of alkali treated new cellulosic fibre from <i>Cyrtostachys renda</i> . <i>Journal of Materials Research and Technology</i> , 2020, 9, 3537-3546.	5.8	67
51	Physical, Thermal and Mechanical Properties of Areca Fibre Reinforced Polymer Composites – An Overview. <i>Journal of Bionic Engineering</i> , 2020, 17, 185-205.	5.0	25
52	Structural, Morphological and Thermal Properties of Cellulose Nanofibers from Napier fiber (<i>Pennisetum purpureum</i>). <i>Materials</i> , 2020, 13, 4125.	2.9	35
53	Analysis of dynamic mechanical, low-velocity impact and compression after impact behaviour of benzoyl treated sugar palm/glass/epoxy composites. <i>Composite Structures</i> , 2019, 226, 111308.	5.8	33
54	Conceptual design and simulation validation based finite element optimisation for tubercle leading edge composite wing of an unmanned aerial vehicle. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4374-4386.	5.8	14

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55	Performance analysis of composite ply orientation in aeronautical application of unmanned aerial vehicle (UAV) NACA4415 wing. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3822-3834.	5.8	26
56	The effect of bone healing condition on the stress of screw fixation in orthotropic femur bone for fracture stabilization. <i>Materials Today: Proceedings</i> , 2019, 16, 2160-2169.	1.8	4
57	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.	5.8	46
58	Corn and Rice Starch-Based Bio-Plastics as Alternative Packaging Materials. <i>Fibers</i> , 2019, 7, 32.	4.0	209
59	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.	5.8	21
60	Thermal degradation and viscoelastic properties of Kevlar/Cocos nucifera sheath reinforced epoxy hybrid composites. <i>Composite Structures</i> , 2019, 219, 194-202.	5.8	84
61	Impact properties of kenaf Fibre/X-ray films hybrid composites for structural applications. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1982-1990.	5.8	14
62	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.	12.0	48
63	CFD simulations on a phase change thermal energy storage integrated with conducting fins. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012023.	0.6	1
64	Fracture prediction on patient-specific tibia model with Osteogenesis Imperfecta under various loading direction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012073.	0.6	0
65	The physical properties observation of oil palm empty fruit bunch (OPEFB) chemical treated fibres. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012055.	0.6	0
66	Characterisation of structural and physical properties of cellulose nanofibers from Pennisetum purpureum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012043.	0.6	5
67	Dielectric properties of kenaf filled epoxy composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012047.	0.6	2
68	Thermal polymer composites of hybrid fillers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012037.	0.6	3
69	Fracture toughness of railway for higher speed rail corridors in Malaysia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012065.	0.6	1
70	Flexural properties of hybrid synthetic/Napier fibres reinforced epoxy composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 670, 012034.	0.6	1
71	Hardened Glass Particle and Carbon Black Using Resin for Potential Electromagnetic Shielding in Biomedical Electronic Equipments. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012072.	0.4	0
72	The Characterization Of Bario Rice Starch-nanoHA Scaffolds using SEM and Dielectric Measurement. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012019.	0.4	1

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73	Gait Classification Using Mahalanobisâ€™Taguchi System for Health Monitoring Systems Following Anterior Cruciate Ligament Reconstruction. Applied Sciences (Switzerland), 2019, 9, 3306.	2.5	10
74	The Optimization of the Hydroxyapatite (HA) Material Characteristics Produced From Corbiculacea (Etok) Shells. Journal of Physics: Conference Series, 2019, 1372, 012077.	0.4	2
75	Ultimate strength analysis of CFRP confined concrete using finite element method (FEM). IOP Conference Series: Materials Science and Engineering, 2019, 670, 012005.	0.6	0
76	Gait Analysis and Mathematical Index-Based Health Management Following Anterior Cruciate Ligament Reconstruction. Applied Sciences (Switzerland), 2019, 9, 4680.	2.5	1
77	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
78	Impact response of Napier fibre reinforced nanomodified epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012050.	0.6	0
79	Analysing impact properties of CNT filled bamboo/glass hybrid nanocomposites through drop-weight impact testing, UWPI and compression-after-impact behaviour. Composites Part B: Engineering, 2019, 168, 166-174.	12.0	53
80	Modification of Oil Palm Empty Fruit Bunch and Sugarcane Bagasse Biomass as Potential Reinforcement for Composites Panel and Thermal Insulation Materials. Journal of Bionic Engineering, 2019, 16, 175-188.	5.0	44
81	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
82	Critical thrust force and critical feed rate in drilling flax fibre composites: A comparative study of various thrust force models. Composites Part B: Engineering, 2019, 165, 222-232.	12.0	28
83	Natural fiber reinforced polylactic acid composites: A review. Polymer Composites, 2019, 40, 446-463.	4.6	296
84	Residual strength of fire-exposed glass-reinforced epoxy composite pipes. Materialpruefung/Materials Testing, 2019, 61, 618-620.	2.2	0
85	Prediction of stress shielding around implant screws induced by three-point and four-point bending. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 548-554.	0.8	0
86	Spectral Features-Based Damage Diagnosis of Structural Steel Plate. International Journal of Innovative Technology and Exploring Engineering, 2019, 8, 630-633.	0.3	0
87	The effect of leg length inequality on joint contact forces of lower limbs during walking. Acta of Bioengineering and Biomechanics, 2019, 21, 55-62.	0.4	0
88	Isolation and characterization of nanocrystalline cellulose from roselle-derived microcrystalline cellulose. International Journal of Biological Macromolecules, 2018, 114, 54-63.	7.5	138
89	An automated portable multiaxial pressure test rig for qualifications of glass/epoxy composite pipes. Science and Engineering of Composite Materials, 2018, 25, 243-252.	1.4	7
90	Impact behaviour of hybrid composites for structural applications: A review. Composites Part B: Engineering, 2018, 133, 112-121.	12.0	384

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91	Design and Analysis of an Operative Inlet. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012075.	0.6	6
92	Thermal energy storage (TES) technology for active and passive cooling in buildings: A Review. MATEC Web of Conferences, 2018, 225, 03022.	0.2	3
93	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
94	A review on the methods to mitigate the challenges in photovoltaic system. MATEC Web of Conferences, 2018, 225, 03019.	0.2	0
95	Cooling Performance of Thermoelectric Cooling (TEC) and Applications: A review. MATEC Web of Conferences, 2018, 225, 03021.	0.2	9
96	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
97	The Effect of Multiple Surface Treatments on Oil Palm Empty Fruit Bunch (OPEFB) Fibre Structure. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012005.	0.6	1
98	The Effect of Alkaline Treatments with Various Concentrations on Oil Palm Empty Fruit Bunch (OPEFB) Fibre Structure. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012006.	0.6	3
99	Impact properties of interwoven hemp/polyethylene terephthalate (PET) hybrid composites. AIP Conference Proceedings, 2018, , .	0.4	3
100	The effect of alkali treatment on the tensile properties of hybrid Napier/glass reinforced epoxy composites. AIP Conference Proceedings, 2018, , .	0.4	1
101	Experimental study on the fatigue strength of bonded/bolted metal-fibre. AIP Conference Proceedings, 2018, , .	0.4	2
102	Performance Factors of the Photovoltaic System: A Review. MATEC Web of Conferences, 2018, 225, 03020.	0.2	9
103	Water ageing effect on the strength of adhesively bonded joints. AIP Conference Proceedings, 2018, , .	0.4	0
104	Effect of benzoyl treatment on flexural and compressive properties of sugar palm/glass fibres/epoxy hybrid composites. Polymer Testing, 2018, 71, 362-369.	4.8	59
105	Investigation of Adhesive Joint Strength for Dissimilar Metal Adherends by Using Taguchi Method. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012098.	0.6	0
106	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
107	First-ply failure prediction of glass/epoxy composite pipes using an artificial neural network model. Composite Structures, 2018, 200, 579-588.	5.8	27
108	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

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109	Effectiveness-NTU correlation for a TES tank comprising a PCM encapsulated in a sphere with heat transfer enhancement. Applied Thermal Engineering, 2018, 143, 1003-1010.	6.0	22
110	CFD simulation of a TES tank comprising a PCM encapsulated in sphere with heat transfer enhancement. Applied Thermal Engineering, 2018, 143, 1085-1092.	6.0	49
111	An overview of the Oil Palm Empty Fruit Bunch (OPEFB) potential as reinforcing fibre in polymer composite for energy absorption applications. MATEC Web of Conferences, 2017, 90, 01064.	0.2	34
112	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
113	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
114	Fracture Behavior of Intermetallic Compound (IMC) of Solder Joints Based on Finite Elements™ Simulation Result. Lecture Notes in Mechanical Engineering, 2017, , 49-57.	0.4	1
115	Modelling of ultrasound tomography technique for Glass Fibre Reinforced Epoxy (GFRE) composites liquid transportation pipeline. AIP Conference Proceedings, 2017, , .	0.4	0
116	Isolation and characterization of microcrystalline cellulose from roselle fibers. International Journal of Biological Macromolecules, 2017, 103, 931-940.	7.5	168
117	Effect of mean stress and amplitude stress on mechanical stress-strain response of chopped strand mat (CSM) composite under cyclic load. AIP Conference Proceedings, 2017, , .	0.4	0
118	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
119	Development of a Microcontroller-based Battery Charge Controller for an Off-grid Photovoltaic System. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012138.	0.6	3
120	Design and analysis of hydraulic ram water pumping system. Journal of Physics: Conference Series, 2017, 908, 012052.	0.4	8
121	Failure prediction of ±55° glass/epoxy composite pipes using system identification modelling. Journal of Physics: Conference Series, 2017, 908, 012012.	0.4	0
122	Impact responses, compressive and burst tests of glass/epoxy (GRE) composite pipes. Journal of Physics: Conference Series, 2017, 908, 012021.	0.4	2
123	Stress analysis of a single osteon. AIP Conference Proceedings, 2017, , .	0.4	0
124	Tensile properties of compressed moulded Napier/glass fibre reinforced epoxy composites. Journal of Physics: Conference Series, 2017, 908, 012013.	0.4	4
125	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
126	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

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127	Effect of physical properties of natural fibre on the sound absorption coefficient. Journal of Physics: Conference Series, 2017, 908, 012023.	0.4	12
128	Convergence and stress analysis of the homogeneous structure of human femur bone during standing up condition. AIP Conference Proceedings, 2017, , .	0.4	1
129	Stress analysis of implant-bone fixation at different fracture angle. Journal of Physics: Conference Series, 2017, 908, 012019.	0.4	8
130	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
131	Influence of hydrothermal ageing on the compressive behaviour of glass fibre/epoxy composite pipes. Composite Structures, 2017, 159, 350-360.	5.8	54
132	Simulation study of air and water cooled photovoltaic panel using ANSYS. Journal of Physics: Conference Series, 2017, 908, 012074.	0.4	8
133	Failure envelope modelling of glass/epoxy composite pipes using system identification method. , 2017, , .		0
134	Effect of elevated temperature on the tensile strength of Napier/glass-epoxy hybrid reinforced composites. AIP Conference Proceedings, 2017, , .	0.4	2
135	Effective elastic constants of corrugated core sandwich plate microstructure considering imperfection in adhesive bonding. Journal of Physics: Conference Series, 2017, 908, 012031.	0.4	1
136	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
137	Preliminary study of TEC application in cooling system. Journal of Physics: Conference Series, 2017, 908, 012080.	0.4	2
138	Tensile properties of interwoven hemp/PET (Polyethylene Terephthalate) epoxy hybrid composites. Journal of Physics: Conference Series, 2017, 908, 012011.	0.4	2
139	Biodegradation of PLA-<i>Pennisetum purpureum</i> based biocomposite scaffold. Journal of Physics: Conference Series, 2017, 908, 012029.	0.4	5
140	Effect of stress ratio on the fatigue behaviour of glass/epoxy composite. Journal of Physics: Conference Series, 2017, 908, 012030.	0.4	2
141	Water absorption behaviour of hybrid interwoven cellulosic fibre composites. Journal of Physics: Conference Series, 2017, 908, 012015.	0.4	3
142	Dynamic Mechanical Analysis of Treated and Untreated Sugar Palm Fibre-based Phenolic Composites. BioResources, 2017, 12, .	1.0	21
143	The effect of alkaline treatments soaking time on oil palm empty fruit bunch (OPEFB) fibre structure. Journal of Physics: Conference Series, 2017, 908, 012033.	0.4	4
144	Single fibre strength of cellulosic fibre extracted from "Belatlan roots" plant. AIP Conference Proceedings, 2017, , .	0.4	0

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145	The Effect of Dry and Wet Condition on the Mechanical Properties of Hybrid Single Lap. IOP Conference Series: Materials Science and Engineering, 2017, 238, 012005.	0.6	1
146	Prediction on fracture risk of femur with Osteogenesis Imperfecta using finite element models: Preliminary study. Journal of Physics: Conference Series, 2017, 908, 012022.	0.4	5
147	Fatigue life investigation of UIC 54 rail profile for high speed rail. Journal of Physics: Conference Series, 2017, 908, 012026.	0.4	4
148	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
149	Mechanical properties of friction stir welded butt joint of steel/aluminium alloys: effect of tool geometry. Journal of Physics: Conference Series, 2017, 908, 012061.	0.4	1
150	Experimental investigation on AC unit integrated with sensible heat storage (SHS). Journal of Physics: Conference Series, 2017, 908, 012075.	0.4	0
151	Analysis of photovoltaic with water pump cooling by using ANSYS. Journal of Physics: Conference Series, 2017, 908, 012083.	0.4	1
152	Finite element modelling of thin intermetallic compound layer fractures. Journal of Mechanical Engineering and Sciences, 2017, 14, 2478-2487.	0.6	0
153	FPGA TECHNOLOGY IN PROCESS TOMOGRAPHY. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
154	Effect of Sugar Palm-derived Cellulose Reinforcement on the Mechanical and Water Barrier Properties of Sugar Palm Starch Biocomposite Films. BioResources, 2016, 11, .	1.0	60
155	The characterization of polylactic acid-Napier fibres as scaffolds for tissue engineering. , 2016, , .		0
156	Impact behaviour of Napier/polyester composites under different energy levels. AIP Conference Proceedings, 2016, , .	0.4	0
157	Effects of hydrothermal ageing on the behaviour of composite tubes under multiaxial stress ratios. Composite Structures, 2016, 148, 1-11.	5.8	17
158	Compressive properties of Napier (<i>Pennisetum Purpureum</i>) filled polyester composites. Plastics, Rubber and Composites, 2016, 45, 136-146.	2.0	27
159	Effect of Alkali and Silane Treatments on Mechanical and Fibre-matrix Bond Strength of Kenaf and Pineapple Leaf Fibres. Journal of Bionic Engineering, 2016, 13, 426-435.	5.0	268
160	Flexural performance of woven hybrid composites. AIP Conference Proceedings, 2016, , .	0.4	0
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