Velmurugan Ramachandran

List of Publications by Year
in descending order

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165 papers	4,233 citations	126907 33 h-index	144013 57 g-index
179 all docs	179 docs citations	179 times ranked	4160 citing authors

#	Article	IF	Citations
1	Experimental Characterisation of Catalyst-Free Carbon Nanomaterials from Mixed Vegetable and Animal Base Oils through Modified Traditional Process. Journal of Nanomaterials, 2011, 2011, 1-10.	2.7	741
2	Mechanical properties of palmyra/glass fiber hybrid composites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2216-2226.	7.6	197
3	Effect of high strain rate on glass/carbon/hybrid fiber reinforced epoxy laminated composites. Composites Part B: Engineering, 2016, 100, 125-135.	12.0	125
4	Improvements in Mode I interlaminar fracture toughness and in-plane mechanical properties of stitched glass/polyester composites. Composites Science and Technology, 2007, 67, 61-69.	7.8	94
5	Energy absorption characteristics of additively manufactured plate-lattices under low- velocity impact loading. International Journal of Impact Engineering, 2021, 149, 103768.	5.0	82
6	Study of filament wound grid-stiffened composite cylindrical structures. Composite Structures, 2011, 93, 1031-1038.	5.8	81
7	Reliability analysis of tensile strengths using Weibull distribution in glass/epoxy and carbon/epoxy composites. Composites Part B: Engineering, 2018, 133, 129-144.	12.0	80
8	Room temperature processing of epoxy-clay nanocomposites. Journal of Materials Science, 2004, 39, 7333-7339.	3.7	75
9	Effect of nanoclay addition on vibration properties of glass fibre reinforced vinyl ester composites. Materials Letters, 2007, 61, 4385-4388.	2.6	71
10	Statistical analysis of the tensile strength of GFRP, CFRP and hybrid composites. Thin-Walled Structures, 2018, 126, 150-161.	5.3	67
11	Influence of fiber orientation and thickness on the response of glass/epoxy composites subjected to impact loading. Composites Part B: Engineering, 2014, 60, 627-636.	12.0	66
12	Progressive crushing of stitched glass/polyester composite cylindrical shells. Composites Science and Technology, 2007, 67, 422-437.	7.8	57
13	Energy absorption and ballistic limit of nanocomposite laminates subjected to impact loading. International Journal of Impact Engineering, 2014, 74, 57-66.	5.0	57
14	Epoxy-Clay Nanocomposites and Hybrids: Synthesis and Characterization. Journal of Reinforced Plastics and Composites, 2009, 28, 17-37.	3.1	56
15	Consideration of internal folding and non-symmetric fold formation in axisymmetric axial collapse of round tubes. International Journal of Solids and Structures, 1997, 34, 2611-2630.	2.7	52
16	Production and mechanical properties of SiCp particle-reinforced 2618 aluminum alloy composites. Journal of Materials Science, 2008, 43, 7047-7056.	3.7	52
17	Quasi-static and dynamic compression behaviors of a novel auxetic structure. Composite Structures, 2020, 254, 112853.	5.8	52
18	Layer-wise damage prediction in carbon/Kevlar/S-glass/E-glass fibre reinforced epoxy hybrid composites under low-velocity impact loading using advanced 3D computed tomography. International Journal of Crashworthiness, 2020, 25, 9-23.	1.9	51

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19	A study on buckling of thin conical frusta under axial loads. Thin-Walled Structures, 2006, 44, 986-996.	5.3	50
20	Thermal, mechanical and vibration characteristics of epoxy-clay nanocomposites. Journal of Materials Science, 2006, 41, 5915-5925.	3.7	50
21	Effect of Clay Dispersion on Mechanical, Thermal and Vibration Properties of Glass Fiber-Reinforced Vinyl Ester Composites. Journal of Reinforced Plastics and Composites, 2008, 27, 1585-1601.	3.1	50
22	Experimental and theoretical studies on buckling of thin spherical shells under axial loads. International Journal of Mechanical Sciences, 2008, 50, 422-432.	6.7	47
23	Mechanical and barrier properties of epoxy polymer filled with nanolayered silicate clay particles. Journal of Materials Science, 2006, 41, 2929-2937.	3.7	46
24	Influence of in-plane fibre orientation on mode I interlaminar fracture toughness of stitched glass/polyester composites. Composites Science and Technology, 2008, 68, 1742-1752.	7.8	46
25	An Analysis of Axial Crushing of Composite Tubes. Journal of Composite Materials, 1997, 31, 1262-1286.	2.4	45
26	Reversible plasticity shape memory effect in carbon nanotubes reinforced epoxy nanocomposites. Composites Science and Technology, 2016, 137, 148-158.	7.8	45
27	Effect of humidity on the indentation hardness and flexural fatigue behavior of polyamide 6 nanocomposite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2826-2830.	5.6	44
28	Dynamic Performance of a 3D Re-entrant Structure. Mechanics of Materials, 2020, 148, 103503.	3.2	43
29	Rheology and curing characteristics of epoxy-clay nanocomposites. Polymer International, 2005, 54, 1653-1659.	3.1	36
30	Experimental and numerical investigations into collapse behaviour of thin spherical shells under drop hammer impact. International Journal of Solids and Structures, 2007, 44, 3136-3155.	2.7	36
31	Influence of fibre orientation and stacking sequence on petalling of glass/polyester composite cylindrical shells under axial compression. International Journal of Solids and Structures, 2007, 44, 6999-7020.	2.7	36
32	Optimization of thin conical frusta for impact energy absorption. Thin-Walled Structures, 2008, 46, 653-666.	5.3	35
33	Energy absorption characteristics of glass/epoxy nano composite laminates by impact loading. International Journal of Crashworthiness, 2013, 18, 82-92.	1.9	35
34	Reusable Passive Wireless RFID Sensor for Strain Measurement on Metals. IEEE Sensors Journal, 2018, 18, 5143-5150.	4.7	35
35	An analysis of axi-symmetric axial collapse of round tubes. Thin-Walled Structures, 1995, 22, 261-274.	5.3	33
36	Strain rate sensitivity of glass/epoxy composites with nanofillers. Materials & Design, 2014, 60, 468-478.	5.1	33

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37	Deformation behavior of commercially pure (CP) titanium under equi-biaxial tension. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 540-551.	5.6	33
38	Comparative Study of Impact Strength Characteristics of Treated and Untreated Sisal Polyester Composites. Procedia Engineering, 2017, 173, 778-785.	1.2	33
39	High strain rate sensitivity of epoxy/clay nanocomposites using non-contact strain measurement. Polymer, 2016, 86, 197-207.	3.8	32
40	Effect of through thickness separation of fiber orientation on low velocity impact response of thin composite laminates. Heliyon, 2019, 5, e02706.	3.2	32
41	A comparative study between in-house 3D printed and injection molded ABS and PLA polymers for low-frequency applications. Materials Research Express, 2019, 6, 085345.	1.6	32
42	The effect of stitching on FRP cylindrical shells under axial compression. International Journal of Impact Engineering, 2004, 30, 923-938.	5.0	31
43	Modal analysis of pre and post impacted nano composite laminates. Latin American Journal of Solids and Structures, 2011, 8, 9-26.	1.0	31
44	Stiffened star-shaped auxetic structure with tri-directional symmetry. Composite Structures, 2022, 279, 114773.	5.8	28
45	Analysis of collapse behaviour of combined geometry metallic shells under axial impact. International Journal of Impact Engineering, 2008, 35, 731-741.	5.0	27
46	Reversible plasticity shape memory effect in epoxy/CNT nanocomposites - A theoretical study. Composites Science and Technology, 2017, 141, 145-153.	7.8	27
47	Study of rate dependent behavior of glass/epoxy composites with nanofillers using non-contact strain measurement. International Journal of Impact Engineering, 2017, 110, 324-337.	5.0	27
48	Tensile Response of Epoxy and Glass/Epoxy Composites at Low and Medium Strain Rate Regimes. Procedia Engineering, 2017, 173, 686-693.	1.2	27
49	Projectile impact on sandwich panels. International Journal of Crashworthiness, 2006, 11, 153-164.	1.9	24
50	Experimental and analytical investigation of thermo-mechanical responses of pure epoxy and carbon/Kevlar/S-glass/E-glass/epoxy interply hybrid laminated composites for aerospace applications. International Journal of Polymer Analysis and Characterization, 2018, 23, 591-605.	1.9	24
51	Digital image processing and thermo-mechanical response of neat epoxy and different laminate orientations of fiber reinforced polymer composites for vibration isolation applications. International Journal of Polymer Analysis and Characterization, 2018, 23, 684-709.	1.9	24
52	Mechanical and thermal properties of MoS₂ reinforced epoxy nanocomposites. Journal of Physics: Conference Series, 2018, 991, 012054.	0.4	24
53	Damping characteristics of nanoclay filled hybrid laminates during medium velocity impact. Composites Part B: Engineering, 2015, 82, 178-189.	12.0	22
54	Energy Absorption Characteristics of Carbon /Epoxy Nano Filler Dispersed Composites Subjected to Localized Impact Loading. Procedia Engineering, 2017, 173, 175-181.	1.2	22

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55	A Study on Impact Strength Characteristics of Coir Polyester Composites. Procedia Engineering, 2017, 173, 771-777.	1.2	22
56	High velocity impact damage investigation of carbon/epoxy/clay nanocomposites using 3D Computed Tomography. Materials Today: Proceedings, 2018, 5, 16946-16955.	1.8	22
57	The effect of the strand diameter on the damping characteristics of fiber reinforced polymer matrix composites: Theoretical and experimental study. International Journal of Mechanical Sciences, 2014, 89, 279-288.	6.7	21
58	Influence of fiber waviness on the effective properties of discontinuous fiber reinforced composites. Computational Materials Science, 2014, 91, 339-349.	3.0	21
59	Analysis of failure of crosslinked polyethylene cables because of electrical treeing: A physicochemical approach. Journal of Applied Polymer Science, 2004, 92, 2169-2178.	2.6	20
60	Quasi-static compression performance of material extrusion enabled re-entrant diamond auxetic metamaterial: Fabrication, tuning the geometrical parameters and fibre reinforcements. Thin-Walled Structures, 2022, 179, 109550.	5.3	20
61	Development of efficient short/continuous fiber thermoplastic composite automobile suspension upper control arm. Materials Today: Proceedings, 2021, 39, 1187-1191.	1.8	19
62	Cold programming of epoxy-based shape memory polymer. Structures, 2021, 29, 2082-2093.	3.6	19
63	Role of different fiber orientations and thicknesses of the skins and the core on the transverse shear damping of polypropylene honeycomb sandwich structures. Mechanics of Materials, 2015, 91, 252-261.	3.2	18
64	Mixed-mode translaminar fracture of plain-weave composites. Composites Part B: Engineering, 2014, 60, 21-28.	12.0	17
65	Free, partial, and fully constrained recovery analysis of cold-programmed shape memory epoxy/carbon nanotube nanocomposites: Experiments and predictions. Journal of Intelligent Material Systems and Structures, 2018, 29, 2164-2176.	2.5	17
66	Ballistic Impact on Glass/Epoxy Composite Laminates. Defence Science Journal, 2014, 64, 393-399.	0.8	17
67	Influence of void microstructure on the effective elastic properties of discontinuous fiber-reinforced composites. Journal of Composite Materials, 2015, 49, 2745-2755.	2.4	16
68	Reversible plasticity shape memory effect in carbon nanotube/epoxy nanocomposites: Shape recovery studies for torsional and bending deformations. Polymer Engineering and Science, 2018, 58, E189.	3.1	16
69	Studies on shape memory alloy-embedded GFRP composites for improved post-impact damage strength. International Journal of Crashworthiness, 2019, 24, 363-379.	1.9	16
70	High strain rate studies for different laminate configurations of bi-directional glass/epoxy and carbon/epoxy composites using DIC. Structures, 2020, 27, 2451-2465.	3.6	16
71	Compression-After-Impact analysis of carbon fiber reinforced composite laminate with different ply orientation sequences. International Journal of Impact Engineering, 2022, 167, 104277.	5.0	16
72	Effect of Fiber Orientation on Carbon/Epoxy and Glass/Epoxy Composites Subjected to Shear and Bending. Solid State Phenomena, 0, 267, 103-108.	0.3	15

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73	Advanced 3D and 2D damage assessment of low velocity impact response of glass and Kevlar fiber reinforced epoxy hybrid composites. Advances in Materials and Processing Technologies, 2018, 4, 493-510.	1.4	15
74	Influence of interphase material and clay particle shape on the effective properties of epoxy-clay nanocomposites. Composites Part B: Engineering, 2016, 88, 11-18.	12.0	14
75	Improvements in the crushing behaviour of glass fibre-epoxy composite tubes by the addition of hollow glass particles. Thin-Walled Structures, 2019, 141, 111-118.	5.3	14
76	Uni-axial tensile response and failure of glass fiber reinforced titanium laminates. Thin-Walled Structures, 2020, 154, 106859.	5.3	14
77	Ballistic performance of quasi-isotropic CFRP laminates under low velocity impact. Journal of Composite Materials, 2021, 55, 3511-3527.	2.4	14
78	Mechanical response of a novel hybrid tube composed of an auxetic outer layer. Thin-Walled Structures, 2022, 171, 108649.	5.3	14
79	Impact Loading on Nanocomposites in Thermal Environment. Procedia IUTAM, 2017, 23, 210-219.	1.2	13
80	Effect of apparent area, load, and filler content on sliding friction characteristics of polymer nanocomposites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2010, 224, 133-138.	1.8	12
81	Effect of nanoclay and different impactor shapes on glass/epoxy composites subjected to quasi-static punch shear loading. Advances in Materials and Processing Technologies, 2018, 4, 345-357.	1.4	12
82	Texture strengthening and anisotropic hardening of mill annealed Ti-6Al-4V alloy under equi-biaxial tension. Materials Characterization, 2020, 164, 110349.	4.4	12
83	Mixed-mode translaminar fracture of woven composites using a heterogeneous spring network. Mechanics of Materials, 2015, 91, 64-75.	3.2	11
84	A hybrid method for computing the effective properties of composites containing arbitrarily shaped inclusions. Computers and Structures, 2015, 150, 63-70.	4.4	11
85	Investigation on dielectric and mechanical properties of epoxy reinforced with glass fiber and nano-silica composites. Materials Research Express, 2019, 6, 115082.	1.6	11
86	The effect of CNT to enhance the dynamic properties of hybrid composite tube shafts. Mechanics of Advanced Materials and Structures, 2019, 26, 88-92.	2.6	11
87	Impact damage assessment of carbon fiber reinforced composite with different stacking sequence. Journal of Composite Materials, 2020, 54, 193-203.	2.4	11
88	High-velocity impact response of titanium-based fiber metal laminates. Part I: experimental investigations. International Journal of Impact Engineering, 2021, 152, 103845.	5.0	11
89	Comparative Study of Damping in Pristine, Steel, and Shape Memory Alloy Hybrid Glass Fiber Reinforced Plastic Composite Beams of Equivalent Stiffness. Defence Science Journal, 2017, 68, 91.	0.8	11
90	Study of Far-Field Pyroshock Responses of Composite Panels. Journal of Vibration and Acoustics, Transactions of the ASME, 2014, 136, .	1.6	10

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91	Effect of velocity and fibres on impact performance of composite laminatesÂâ€“Â Analytical and experimental approach. International Journal of Crashworthiness, 2017, 22, 589-601.	1.9	10
92	Shape memory behavior of cold-programmed carbon fiber reinforced CNT/epoxy composites. Materials Research Express, 2018, 5, 085603.	1.6	10
93	Influence of fibre orientation and thickness on the response of CFRP composites subjected to high velocity impact loading. Advances in Materials and Processing Technologies, 2018, 4, 120-131.	1.4	10
94	Analysis of syntactic foam â€“ GFRP sandwich composites for flexural loads. Journal of Physics: Conference Series, 2018, 991, 012064.	0.4	10
95	Static and dynamic flexural behaviour of printed polylactic acid with thermal annealing: parametric optimisation and empirical modelling. International Journal of Advanced Manufacturing Technology, 2022, 119, 1179-1197.	3.0	10
96	Epoxy â€” clay nanocomposites â€— effect of curing temperature in mechanical properties. International Journal of Plastics Technology, 2009, 13, 123-132.	3.1	9
97	FE Analysis of Impact on Kevlar/Epoxy Laminates with Different Orientations and Thicknesses. Materials Today: Proceedings, 2017, 4, 2599-2607.	1.8	9
98	Probabilistic Study of Tensile and Flexure Properties of Untreated Jute Fiber Reinforced Polyester Composite. Materials Today: Proceedings, 2017, 4, 11050-11055.	1.8	9
99	Energy-absorption capability of thin laminates subjected to heavy-mass projectile impact of varying nose geometries. International Journal of Crashworthiness, 2008, 13, 237-246.	1.9	8
100	Probability-based Studies on the Tensile Strength of GFRP, CFRP and Hybrid Composites. Procedia Engineering, 2017, 173, 763-770.	1.2	8
101	Analysis of the specific properties of glass microballoon-epoxy syntactic foams under tensile and flexural loads. Materials Today: Proceedings, 2018, 5, 16956-16962.	1.8	8
102	Mechanical, thermal, electrical and crystallographic behaviour of EPDM rubber/clay nanocomposites for out-door insulation applications. Advances in Materials and Processing Technologies, 2020, 6, 54-74.	1.4	8
103	High-velocity impact response of titanium-based fiber metal laminates. Part II: Analytical modeling. International Journal of Impact Engineering, 2021, 152, 103853.	5.0	8
104	Damage and energy absorption characteristics of glass fiber reinforced titanium laminates to low-velocity impact. Mechanics of Advanced Materials and Structures, 2022, 29, 6242-6265.	2.6	8
105	Analytical modelling of low-velocity impact response characterization of titanium and glass fibre reinforced polymer hybrid laminate composites. Thin-Walled Structures, 2022, 175, 109236.	5.3	8
106	Strain Rate Dependent Behavior of Glass/Nano Clay Filled Epoxy Resin Composite. Defence Science Journal, 2014, 64, 295-302.	0.8	7
107	Numerical and experimental study of multimode failure phenomena in GFRP laminates of different lay-ups. International Journal of Crashworthiness, 2018, 23, 87-99.	1.9	7
108	The role of brass texture on the deformation response of 7075-T651 aluminum alloy under equi-biaxial tension. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 812, 141133.	5.6	7

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109	Understanding the electrical, thermal, and mechanical properties of epoxy magnesium oxide nanocomposites. IET Science, Measurement and Technology, 2019, 13, 632-639.	1.6	7
110	Theoretical and Experimental Investigation of Shape Memory Polymers Programmed below Glass Transition Temperature. Polymers, 2022, 14, 2753.	4.5	7
111	Vibration and Energy Dissipation of Nanocomposite Laminates for Below Ballistic Impact Loading. Latin American Journal of Solids and Structures, 2015, 12, 2259-2280.	1.0	6
112	Mechanical characterization of pseudoelastic shape memory alloy hybrid composites. ISSS Journal of Micro and Smart Systems, 2017, 6, 149-160.	2.0	6
113	Experimental and theoretical investigation of a unidirectional glass/epoxy composites under tensile and impact loading. Materials Today: Proceedings, 2018, 5, 25174-25184.	1.8	6
114	Effect of nanoclay on mechanical, thermal and morphological properties of silicone rubber and EPDM/silicone rubber hybrid composites. Advances in Materials and Processing Technologies, 2021, 7, 109-116.	1.4	6
115	Analytical and FEM Analyses of High-Speed Impact Behaviour of Al 2024 Alloy. Aerospace, 2021, 8, 281.	2.2	6
116	Finite element analysis of tensile behaviour of glass fibre composites under varying strain rates. Thin-Walled Structures, 2022, 172, 108916.	5.3	6
117	Effects of jute fiber length and weight percentage on quasi-static flexural and dynamic mechanical properties of jute/polyester composites for thin-walled structure applications. Thin-Walled Structures, 2022, 179, 109719.	5.3	6
118	The Effect of Moisture Content on the Tensile Behaviour of Polyamide 6 Nanocomposites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2010, 224, 173-176.	1.1	5
119	Energy Absorption Characteristics of Dual Phase Steel Tubes Under Static and Dynamic Loading. Strain, 2011, 47, e387.	2.4	5
120	Experimental and analytical studies of syntactic foam core composites for impact loading. International Journal of Crashworthiness, 2022, 27, 299-316.	1.9	5
121	Behavior of Thermo-Mechanically Processed AA 6082 Aluminium Alloy Impacted by Conical Projectiles. Journal of Dynamic Behavior of Materials, 2021, 7, 48-59.	1.7	5
122	Effect of Different Cryogenic Rolling Strains on the Impact Properties of 6082 Aluminum Alloy. Journal of Materials Engineering and Performance, 2021, 30, 1001-1011.	2.5	5
123	Effect of high strain rate on tensile response and failure analysis of titanium/glass fiber reinforced polymer composites. Journal of Composite Materials, 2021, 55, 3443-3470.	2.4	5
124	Investigation on Electrical and Thermal Performance of Glass Fiber Reinforced Epoxyâ€“MgO Nanocomposites. Energies, 2021, 14, 8005.	3.1	5
125	Role of temperatures and fiber orientations on transverse shear damping of polypropylene honeycomb sandwich structures. Journal of Reinforced Plastics and Composites, 2015, 34, 696-707.	3.1	4
126	Frangibility Study of Natural Fiber Reinforced Composite Laminates. Key Engineering Materials, 0, 725, 88-93.	0.4	4

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127	Finite element analysis of metal matrix composite blade. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012008.	0.6	4
128	High Speed Impact Behaviour of Thermo-Mechanically Processed AA 6082-T6 Thin Plates. Materials Today: Proceedings, 2018, 5, 17203-17212.	1.8	4
129	Neurofuzzy modelling of moisture absorption kinetics and its effect on the mechanical properties of pineapple fibre-reinforced polypropylene composite. Journal of Composite Materials, 2020, 54, 899-912.	2.4	4
130	Evaluation of E glass epoxy composite laminate as an electromagnetically transparent aerospace material. Materials Today: Proceedings, 2021, 46, 4825-4834.	1.8	4
131	Impact Loading on Glass/Epoxy Composite Laminates with Nano Clay. Key Engineering Materials, 2013, 535-536, 72-75.	0.4	3
132	Comparative Study of a Neat Epoxy and Unidirectional Carbon/Epoxy Composites under Tensile and Impact Loading. Solid State Phenomena, 0, 267, 87-92.	0.3	3
133	A Study on Mechanical Properties of Symmetrical and Asymmetrical Woven Jute Fiber Composite Polymer. IOP Conference Series: Materials Science and Engineering, 2018, 376, 012070.	0.6	3
134	Understanding the electrical, thermal and mechanical properties of LDPEâ€clay nanocomposites. Micro and Nano Letters, 2019, 14, 650-655.	1.3	3
135	Investigation on the digital image correlation and charge trap characteristics of Al/epoxy nanocomposites. Materials Research Express, 2020, 7, 025035.	1.6	3
136	The uni-axial tensile response of titanium-based fiber metal laminates. Journal of Physics: Conference Series, 2020, 1474, 012030.	0.4	3
137	Influence of preheating on the fracture behavior of over-molded short/continuous fiber reinforced polypropylene composites. Journal of Composite Materials, 2021, 55, 4387-4397.	2.4	3
138	A Study on Mechanical Properties of Treated Sisal Polyester Composites. Conference Proceedings of the Society for Experimental Mechanics, 2018, , 179-185.	0.5	3
139	Influence of water ageing on variation in space charge and thermoâ€mechanical properties of epoxy microâ€nano composites. IET Science, Measurement and Technology, 2021, 15, 44-60.	1.6	3
140	Low-velocity impact perforation response of titanium/composite laminates: analytical and experimental investigation. Mechanics Based Design of Structures and Machines, 0, , 1-34.	4.7	3
141	Stability improvement of thin isotropic cylindrical shells with partially filled soft elastic core subjected to external pressure. Thin-Walled Structures, 2016, 98, 301-311.	5.3	2
142	Impact of shear mixing time of epoxy-silica nanocomposites on its electrical and mechanical properties. Nano Express, 2021, 2, 010031.	2.4	2
143	The Effect of Silicon Carbide Particulates on Tensile, Fatigue, Impact and Final Fracture Behaviour of 2618 Aluminium Alloy Matrix Composites. International Journal of Aerospace Innovations, 2011, 3, 193-206.	0.2	2
144	Effect of Cryogenic Temperature Rolling on High Speed Impact Behavior of AA 6082 Thin Targets. , 2019, , .		2

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145	Understanding the interfacial and agglomeration impact in epoxy nanocomposites on its electrical and mechanical properties. Electrical Engineering, 2022, 104, 2141-2153.	2.0	2
146	On impact of cryogenic temperature rolled 6082 Al alloy by dome- and conical-nosed projectiles. International Journal of Crashworthiness, 0, , 1-10.	1.9	2
147	Mechanical, Thermal and Shape Memory Characterization of a Novel Epoxy Shape Memory Polymer. Materials Science Forum, 0, 1059, 87-96.	0.3	2
148	Effect of Strain Rate on Tensile and Fracture Behavior of Ultrafine grained Al6061 processed through Cryorolling and Warm rolling. Materials Today: Proceedings, 2018, 5, 17180-17187.	1.8	1
149	A passive UHF RFID tag for wireless fracture toughness measurement on metals. , 2019, , .		1
150	Effect of fiber orientations of composite panels under farâ€field pyroshock. Polymer Composites, 2019, 40, 255-262.	4.6	1
151	Understanding electrical, thermal and mechanical properties of hybrid epoxy nanocomposites. Materials Today: Proceedings, 2021, 46, 4441-4450.	1.8	1
152	Crashworthiness of Glass/Polyester Composite Tubular Structures. International Journal of Vehicle Structures and Systems, 2015, 7, .	0.2	1
153	Effect of Helical Winding Angle on External Pressure based Buckling of Partially Filled Thin Composite Cylindrical Shells. Defence Science Journal, 2019, 69, 313-319.	0.8	1
154	Study on Mechanical Properties of Basalt Rock Fiber Reinforced Polyester Composites. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 63-68.	0.5	1
155	Effect of Annealing Time and Temperature on Dynamic Mechanical Properties of FDM Printed PLA. Lecture Notes in Mechanical Engineering, 2022, , 143-160.	0.4	1
156	High-Velocity Impact Studies on Dyneema Fabric with and without STF-Experimental and Theoretical Studies. Lecture Notes in Mechanical Engineering, 2022, , 269-291.	0.4	1
157	Experimental Investigation on Dynamic Characteristics of Polypropylene Honeycomb Sandwich Structures under the Influences of Different Temperatures. Applied Mechanics and Materials, 2014, 606, 153-157.	0.2	0
158	Development of Shape Memory Alloy Polymer Composite and Influence of Material Parameters on Shape Memory. Applied Mechanics and Materials, 0, 592-594, 158-163.	0.2	0
159	The Effect of the Chopped Fibers on the Damping Characteristics of Fiber Reinforced Polymer Skins of the Polypropylene Honeycomb Sandwich Panel. Advanced Materials Research, 2014, 893, 245-249.	0.3	0
160	Buckling of thin walled composite cylindrical shell filled with solid propellant. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012022.	0.6	0
161	Geometric imperfection modelling for buckling of filled thin composite cylinders. Advances in Materials and Processing Technologies, 2019, 5, 526-541.	1.4	0
162	Analytical prediction of thermal stresses in composite shells. Journal of Physics: Conference Series, 2020, 1474, 012018.	0.4	0

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163	Design of Lightweight Composites for Vehicle Front End Energy Management of Bumper Beam. , 0, , .		0
164	Analysis of Drill Tool Wear Using Acoustic Emission Signals Based on IBS Technique for CFRP Laminates. Lecture Notes in Mechanical Engineering, 2022, , 89-111.	0.4	0
165	Effect of Heating Rate on the Thermomechanical Cycle of Shape Memory Polymers. Lecture Notes in Mechanical Engineering, 2022, , 51-71.	0.4	0