

Bankim Chandra Ray

List of Publications by Citations

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157
papers

2,924
citations

27
h-index

47
g-index

163
ext. papers

3,482
ext. citations

3.3
avg, IF

6.05
L-index

#	Paper	IF	Citations
157	Temperature effect during humid ageing on interfaces of glass and carbon fibers reinforced epoxy composites. <i>Journal of Colloid and Interface Science</i> , 2006 , 298, 111-7	9.3	318
156	Neutralization of red mud using CO ₂ sequestration cycle. <i>Journal of Hazardous Materials</i> , 2010 , 179, 28-34	12.8	119
155	Mechanical performance of CNT-filled glass fiber/epoxy composite in in-situ elevated temperature environments emphasizing the role of CNT content. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 84, 364-376	8.4	104
154	Water absorption behavior, mechanical and thermal properties of nano TiO ₂ enhanced glass fiber reinforced polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 736-747	8.4	94
153	Environmental effects on fibre reinforced polymeric composites: evolving reasons and remarks on interfacial strength and stability. <i>Advances in Colloid and Interface Science</i> , 2015 , 217, 43-67	14.3	84
152	Reinforcement effect of graphene oxide in glass fibre/epoxy composites at in-situ elevated temperature environments: An emphasis on graphene oxide content. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 40-53	8.4	78
151	Effect of post-curing on thermal and mechanical behavior of GFRP composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 75, 012012	0.4	64
150	Synthesis and characterization of copper/alumina metal matrix composite by conventional and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2012 , 516, 78-84	5.7	64
149	Durability and integrity studies of environmentally conditioned interfaces in fibrous polymeric composites: critical concepts and comments. <i>Advances in Colloid and Interface Science</i> , 2014 , 209, 68-83	14.3	63
148	Adsorption of Zn(II) on activated red mud: Neutralized by CO ₂ . <i>Desalination</i> , 2011 , 266, 93-97	10.3	58
147	Mechanical behavior of Graphene decorated carbon fiber reinforced polymer composites: An assessment of the influence of functional groups. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 122, 36-44	8.4	57
146	Synthesis and characterization of aluminium/alumina micro- and nano-composites by spark plasma sintering. <i>Materials Research Bulletin</i> , 2013 , 48, 2535-2542	5.1	56
145	Removal of hydrogen sulfide using red mud at ambient conditions. <i>Fuel Processing Technology</i> , 2011 , 92, 1587-1592	7.2	54
144	Effects of crosshead velocity and sub-zero temperature on mechanical behaviour of hygrothermally conditioned glass fibre reinforced epoxy composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 379, 39-44	5.3	52
143	CNT/polymer interface in polymeric composites and its sensitivity study at different environments. <i>Advances in Colloid and Interface Science</i> , 2017 , 240, 77-106	14.3	50
142	Flexural behaviour of CNT-filled glass/epoxy composites in an in-situ environment emphasizing temperature variation. <i>Composites Part B: Engineering</i> , 2015 , 83, 166-174	10	46
141	Effects of Changing Environment and Loading Speed on Mechanical Behavior of FRP Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 1227-1240	2.9	46

140	Thermal shock on interfacial adhesion of thermally conditioned glass fiber/epoxy composites. <i>Materials Letters</i> , 2004 , 58, 2175-2177	3.3	46
139	Evaluation of mechanical properties of Al ₂ O ₃ and TiO ₂ nano filled enhanced glass fiber reinforced polymer composites. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	45
138	Effects of temperature and loading speed on interface-dominated strength in fibre/polymer composites: An evaluation for in-situ environment. <i>Materials & Design</i> , 2015 , 65, 617-626		43
137	Environmental damage and degradation of FRP composites: A review report. <i>Polymer Composites</i> , 2015 , 36, 410-423	3	39
136	Utilization of activated CO ₂ -neutralized red mud for removal of arsenate from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2010 , 179, 1007-13	12.8	36
135	Influence of seawater absorption on retention of mechanical properties of nano-TiO ₂ embedded glass fiber reinforced epoxy polymer matrix composites. <i>Archives of Civil and Mechanical Engineering</i> , 2018 , 18, 1597-1607	3.4	35
134	Water absorption, residual mechanical and thermal properties of hydrothermally conditioned nano-Al ₂ O ₃ enhanced glass fiber reinforced polymer composites. <i>Polymer Bulletin</i> , 2017 , 74, 4175-4194	2.4	31
133	Assessment of mechanical, thermal and morphological behavior of nano-Al ₂ O ₃ embedded glass fiber/epoxy composites at in-situ elevated temperatures. <i>Composites Part B: Engineering</i> , 2019 , 166, 688-700	10	30
132	Effects of Thermal and Cryogenic Conditionings on Mechanical Behavior of Thermally Shocked Glass Fiber-Epoxy Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2005 , 24, 713-717	2.9	29
131	Mechanical, thermomechanical, and creep performance of CNT embedded epoxy at elevated temperatures: An emphasis on the role of carboxyl functionalization. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	28
130	Evaluation of the role of functionalized CNT in glass fiber/epoxy composite at above- and sub-zero temperatures: Emphasizing interfacial microstructures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 101, 215-226	8.4	27
129	Mechanical Behavior of Glass/Epoxy Composites at Liquid Nitrogen Temperature. <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 937-944	2.9	27
128	Study of the influence of thermal shock on interfacial damage in thermosetting matrix aramid fiber composites. <i>Journal of Materials Science Letters</i> , 2003 , 22, 201-202		27
127	Creep behaviour prediction of multi-layer graphene embedded glass fiber/epoxy composites using time-temperature superposition principle. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 507-518	8.4	26
126	Evaluation of Defects in FRP Composites by NDT Techniques. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 1187-1192	2.9	26
125	An assessment of flexural performance of liquid nitrogen conditioned glass/epoxy composites with multiwalled carbon nanotube. <i>Journal of Composite Materials</i> , 2016 , 50, 3077-3088	2.7	25
124	Morphological study of electrodeposited copper under the influence of ultrasound and low temperature. <i>Thin Solid Films</i> , 2009 , 517, 6612-6616	2.2	25
123	Thermal Shock and Thermal Fatigue on Delamination of Glass-fiber-reinforced Polymeric Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2005 , 24, 111-116	2.9	24

122	Experimental optimization of flexural behaviour through inter-ply fibre hybridization in FRP composite. <i>Construction and Building Materials</i> , 2016 , 118, 327-336	6.7	24
121	A Review on Mechanical Behavior of FRP Composites at Different Loading Speeds. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2015 , 40, 119-135	10.1	23
120	Individual and combined additions of calcium and antimony on microstructure and mechanical properties of squeeze-cast AZ91D magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 626, 186-194	5.3	23
119	Mechanical behaviour of graphene oxide embedded epoxy nanocomposite at sub- and above- zero temperature environments. <i>Composites Communications</i> , 2017 , 3, 47-50	6.7	22
118	In-situ elevated temperature flexural and creep response of inter-ply glass/carbon hybrid FRP composites. <i>Mechanics of Materials</i> , 2017 , 105, 99-111	3.3	22
117	Creep behaviour of graphite oxide nanoplates embedded glass fiber/epoxy composites: Emphasizing the role of temperature and stress. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 102, 166-177	8.4	22
116	Effects of temperature and load on the creep performance of CNT reinforced laminated glass fiber/epoxy composites. <i>International Journal of Mechanical Sciences</i> , 2019 , 150, 539-547	5.5	22
115	Adhesion of glass/epoxy composites influenced by thermal and cryogenic environments. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1943-1949	2.9	20
114	Loading Rate Sensitivity of Jute/Glass Hybrid Reinforced Epoxy Composites: Effect of Surface Modifications. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 851-860	2.9	19
113	Wear behavior of silica and alumina-based nanocomposites reinforced with multi walled carbon nanotubes and graphene nanoplatelets. <i>Wear</i> , 2019 , 418-419, 290-304	3.5	19
112	Static and Dynamic Behavior of Fibrous Polymeric Composite Materials at Different Environmental Conditions. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 1024-1050	4.5	18
111	Temperature dependent reinforcement efficiency of carbon nanotube in polymer composite. <i>Composites Communications</i> , 2016 , 1, 29-32	6.7	18
110	Effect of thermal shock on interlaminar strength of thermally aged glass fiber-reinforced epoxy composites. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2062-2066	2.9	18
109	Loading Rate Sensitivity of Glass Fiber/Epoxy Composite at Ambient and Sub-ambient Temperatures. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 329-333	2.9	18
108	Water-induced degradations in MWCNT embedded glass fiber/epoxy composites: An emphasis on aging temperature. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45987	2.9	18
107	Effect of graphite nanoplatelets on the mechanical properties of alumina-based composites. <i>Ceramics International</i> , 2017 , 43, 11376-11389	5.1	17
106	Retention of Mechanical and Thermal Properties of Hydrothermal Aged Glass Fiber-Reinforced Polymer Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1676-1686		17
105	Environmental stability of GFRP laminated composites: an emphasis on mechanical behaviour. <i>Aircraft Engineering and Aerospace Technology</i> , 2010 , 82, 258-266	5	17

104	Loading rate effects on mechanical properties of polymer composites at ultralow temperatures. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2289-2292	2.9	17
103	Effect of nano Al ₂ O ₃ fillers and cross head velocity on interlaminar shear strength of glass fiber reinforced polymer composite. <i>International Journal of Plastics Technology</i> , 2016 , 20, 334-344	2.7	17
102	The behaviour of aluminium matrix composites under thermal stresses. <i>Science and Engineering of Composite Materials</i> , 2016 , 23, 1-20	1.5	16
101	Creep performance of CNT reinforced glass fiber/epoxy composites: Roles of temperature and stress. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47674	2.9	16
100	Processing and properties of Cu based micro- and nano-composites. <i>Bulletin of Materials Science</i> , 2014 , 37, 227-238	1.7	16
99	Effects of acid, alkaline, and seawater aging on the mechanical and thermomechanical properties of glass fiber/epoxy composites filled with carbon nanofibers. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48434	2.9	16
98	Effect of loading rate on tensile properties and failure behavior of glass fibre/epoxy composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 115, 012017	0.4	16
97	High-temperature tensile behavior at different crosshead speeds during loading of glass fiber-reinforced polymer composites. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	15
96	Microstructural and Mechanical Aspects of Carbon/Epoxy Composites at Liquid Nitrogen Temperature. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 2013-2023	2.9	15
95	Effect of loading rates of severely thermal-shocked glass fiber/epoxy composites. <i>Composites Communications</i> , 2017 , 3, 7-10	6.7	14
94	Alumina/MWCNT composites: microstructural characterization and mechanical properties. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 1-19	2.4	14
93	Residual stress and nanomechanical properties of sonoelectrodeposited Cu films. <i>Surface Engineering</i> , 2011 , 27, 551-556	2.6	13
92	Assessment of Microstructural Integrity of Glass/Epoxy Composites at Liquid Nitrogen Temperature. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 1083-1089	2.9	13
91	Effects of carbon nanotube/polymer interfacial bonding on the long-term creep performance of nanophased glass fiber/epoxy composites. <i>Polymer Composites</i> , 2020 , 41, 478-493	3	13
90	Improving delamination resistance of carbon fiber reinforced polymeric composite by interface engineering using carbonaceous nanofillers through electrophoretic deposition: An assessment at different in-service temperatures. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50208	2.9	13
89	Impression creep behaviour of squeeze-cast Ca and Sb added AZ91 magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 673, 332-345	5.3	12
88	An assessment of mechanical behavior and fractography study of glass/epoxy composites at different temperatures and loading speeds. <i>Materials & Design</i> , 2014 , 64, 160-165		12
87	A Study on the Modification of Conventional Electrochemical Crystallization under Sonication: The Phenomena of Secondary Nucleation. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, F46		12

86	On the comparison of interrupted and continuous creep behaviour of nanocrystalline copper: A molecular dynamics approach. <i>Materials Letters</i> , 2018 , 229, 256-260	3.3	11
85	Freeze-Thaw Response of Glass/Polyester Composites at Different Loading Rates. <i>Journal of Reinforced Plastics and Composites</i> , 2005 , 24, 1771-1776	2.9	11
84	Lifetime Prediction of Nano-Silica based Glass Fibre/Epoxy composite by Time Temperature Superposition Principle. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 338, 012020	0.4	11
83	Tensile behavior of MWCNT enhanced glass fiber reinforced polymeric composites at various crosshead speeds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 178, 012006	0.4	10
82	Effects of electrophoretic deposition process parameters on the mechanical properties of graphene carboxyl-grafted carbon fiber reinforced polymer composite. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48925	2.9	10
81	Effect of nanosilica and nanoclay reinforcement on flexural and thermal properties of glass fiber/epoxy composites. <i>Materials Today: Proceedings</i> , 2020 , 33, 5098-5102	1.4	9
80	Silica-graphene nanoplatelets and silica-MWCNT composites: Microstructure and mechanical properties. <i>Diamond and Related Materials</i> , 2018 , 87, 186-201	3.5	9
79	A comparative study of the mechanical performance of Glass and Glass/Carbon hybrid polymer composites at different temperature environments. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 75, 012002	0.4	9
78	Effects of Hydrothermal Aging on Mechanical Behavior of Sub-zero Weathered GFRP Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 673-680	2.9	9
77	Interface modification of carbon fiber reinforced epoxy composite by hydroxyl/carboxyl functionalized carbon nanotube. <i>Materials Today: Proceedings</i> , 2020 , 27, 1473-1478	1.4	8
76	Effect of CNT addition on cure kinetics of glass fiber/epoxy composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 338, 012003	0.4	8
75	Improved mechanical responses of GFRP composites with epoxy-vinyl ester interpenetrating polymer network. <i>Polymer Testing</i> , 2021 , 93, 107008	4.5	8
74	Role of electrochemically in-house synthesized and functionalized graphene nanofillers in the structural performance of epoxy matrix composites. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16219-16230	3.6	7
73	Mechanical and thermal behaviour of multi-layer graphene and nanosilica reinforced glass Fiber/Epoxy composites. <i>Materials Today: Proceedings</i> , 2020 , 33, 5184-5189	1.4	7
72	Implication of low temperature and sonication on electrocrystallization mechanism of Cu thin films: a kinetics and structural correlation. <i>Materials Research</i> , 2013 , 16, 539-545	1.5	7
71	Experimental studies on mechanical behavior and microstructural assessment of glass/epoxy composites at low temperatures. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 77-84	2.9	7
70	Assessment of mechanical behavior of Kevlar/polyester composites after thermal shock conditioning. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1391-1392		7
69	Water absorption behavior and residual strength assessment of glass/epoxy and glass-carbon/epoxy hybrid composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 115, 012029	0.4	7

68	Enhancement of mechanical properties of glass fiber reinforced vinyl ester composites by embedding multi-walled carbon nanotubes through solution processing technique. <i>Materials Today: Proceedings</i> , 2020 , 27, 1045-1050	1.4	6
67	Structural Integrity of Glass/Polyester Composites at Liquid Nitrogen Temperature. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 1297-1304	2.9	6
66	Study of the Effect of Hygrothermal Ageing on Glass/Epoxy Micro-Composites by FTIR-Imaging and Alternating DSC Techniques. <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 1625-1634	2.9	6
65	Prior Thermal Spikes and Thermal Shocks on Mechanical Behavior of Glass Fiber-Epoxy Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 197-213	2.9	6
64	Effects of loading speed on the failure behaviour of FRP composites. <i>Aircraft Engineering and Aerospace Technology</i> , 2007 , 79, 45-52	5	6
63	Hydrothermal Fatigue on Interface of Glass-epoxy Laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2005 , 24, 1051-1056	2.9	6
62	Freezing and thermal spikes effects on interlaminar shear strength values of hygrothermally conditioned glass fibre/epoxy composites. <i>Journal of Materials Science Letters</i> , 1992 , 11, 508-509		6
61	Mechanical modelling and experimental validation of woven composites. <i>Materials Today: Proceedings</i> , 2020 , 27, 2640-2644	1.4	6
60	Effects of Thermal Shocks and Thermal Spikes on Hygrothermal Behavior of Glass/Polyester Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 725-738	2.9	5
59	Effect of Hygrothermal Shock Cycles on Interlaminar Shear Strength of Hybrid Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 519-524	2.9	5
58	Effect of thermal shock on modulus of thermally and cryogenically conditioned Kevlar/polyester composites. <i>Journal of Materials Science Letters</i> , 2003 , 22, 203-204		5
57	Effect of Hydrothermal Shock Cycles on Shear Strength of Glass Fiber-polyester Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2005 , 24, 1335-1340	2.9	5
56	Effect of graphene-based nanofillers addition on the interlaminar performance of CFRP composites: An assessment of cryo-conditioning. <i>Materials Today: Proceedings</i> , 2020 , 33, 5070-5075	1.4	4
55	Atomistic investigation of mechanical behavior for CNT reinforced nanocrystalline aluminum under biaxial tensile loading. <i>Materials Today: Proceedings</i> , 2020 , 33, 4942-4950	1.4	4
54	Development of advanced fiber-reinforced polymer composites by polymer hybridization technique: Emphasis on cure kinetics, mechanical, and thermomechanical performance. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49318	2.9	4
53	Mechanical and thermal performance of recycled glass fiber reinforced epoxy composites embedded with carbon nanotubes. <i>Materials Today: Proceedings</i> , 2020 , 33, 5029-5034	1.4	4
52	Effects of Thermal and Cryogenic Conditionings on Flexural Behavior of Thermally Shocked Cu-Al ₂ O ₃ Micro and NanoComposites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 1567-1578	2.3	4
51	Effect of ultraviolet radiations on interlaminar shear strength and thermal properties of glass fiber/epoxy composites. <i>Materials Today: Proceedings</i> , 2021 , 43, 524-529	1.4	4

50	Loading rate sensitivity of liquid nitrogen conditioned glass fiber reinforced polymeric composites: An emphasis on tensile and thermal responses. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45856	2.9	4
49	Microstructural evolution and sliding wear studies of copper-alumina micro- and nano-composites fabricated by spark plasma sintering. <i>Journal of the Mechanical Behavior of Materials</i> , 2015 , 24, 25-34	1.9	3
48	Correlation of Microstructure and Electrochemical Corrosion Behavior of Squeeze-Cast Ca and Sb Added AZ91 Mg Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 5106-5121	2.3	3
47	Inter Laminar Shear Strength (ILSS) of Nano Al ₂ O ₃ Filled Glass Fiber Reinforced Polymer (GFRP) Composite - A Study on Loading Rate Sensitivity. <i>Materials Today: Proceedings</i> , 2017 , 4, 8688-8696	1.4	3
46	An analysis of the temperature-induced supersaturation effects on structure and properties of sono-electrodeposited copper thin films. <i>Surface and Coatings Technology</i> , 2011 , 206, 1947-1954	4.4	3
45	Interlaminar performance of graphene carboxyl modified CFRP composites: Effect of cryogenic conditioning. <i>Materials Today: Proceedings</i> , 2020 , 27, 1516-1521	1.4	3
44	Effects of fiber surface grafting by functionalized carbon nanotubes on the interfacial durability during cryogenic testing and conditioning of CFRP composites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51231	2.9	3
43	Mechanical behavior of electrophoretically modified CFRP composites at elevated temperatures: An assessment of the influence of graphene carboxyl bath concentration. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51365	2.9	3
42	Strength degradation and fractographic analysis of carbon fiber reinforced polymer composite laminates with square / circular hole using scanning electron microscope micrographs. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49878	2.9	3
41	Effect of Thermal Spike Conditioning on the Tensile Behavior of Glass/Epoxy Composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 12109-12114	1.4	3
40	Effect of severely thermal shocked MWCNT enhanced glass fiber reinforced polymer composite: An emphasis on tensile and thermal responses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 338, 012057	0.4	3
39	Interfacial behavior of graphene carboxyl-grafted carbon fiber reinforced polymer composites at elevated temperatures: Emphasis on the effect of electrophoretic deposition time. <i>Polymer Composites</i> , 2021 , 42, 5893	3	3
38	Influence of loading rate on adhesively bonded Tin-glass/epoxy single lap joint. <i>Materials Today: Proceedings</i> , 2020 , 26, 1850-1854	1.4	2
37	A study of the effect of carbon nanotube/nanoclay binary nanoparticle reinforcement on glass fibre/epoxy composites. <i>Materials Today: Proceedings</i> , 2020 , 26, 2026-2031	1.4	2
36	Mode I interlaminar fracture toughness improvement of the glass/epoxy composite by using multiscale composite approach. <i>Materials Today: Proceedings</i> , 2020 , 33, 5328-5333	1.4	2
35	Effect of severely thermal shocked nano-Al ₂ O ₃ filled glass fiber reinforced polymeric composites: An assessment on tensile, thermal and morphological behaviour. <i>Materials Today: Proceedings</i> , 2020 , 33, 5521-5525	1.4	2
34	Extrapolation of Mechanical Strengthening Effect in Nanoclay/Epoxy Nanocomposites to Elevated Temperature Environments. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 2015-2024	1.2	2
33	Experimental study on the mechanical behavior and microstructural assessment of Kevlar/epoxy composites at liquid nitrogen temperature. <i>Journal of the Mechanical Behavior of Materials</i> , 2014 , 23, 95-100	1.9	2

32	Effect of Sonication on the Synthesis of Exfoliated Graphite Nanoplatelets by Thermal Exfoliation Process. <i>Graphene</i> , 2014 , 2, 75-87		2
31	Synergetic Impact of Carbon Nanotube and/or Graphene Reinforcement on the Mechanical Performance of Glass Fiber/Epoxy Composite. <i>Materials Science Forum</i> , 978 , 284-290	0.4	2
30	Effect of cure kinetics and nanomaterials on glass fiber/vinyl ester composites: An assessment on mechanical, thermal and fracture morphology. <i>Materials Today: Proceedings</i> , 2020 , 33, 4937-4941	1.4	2
29	Emerging advancement of fiber-reinforced polymer composites in structural applications 2020 , 221-271		2
28	Evaluation of mechanical behaviour of graphene oxide grafted CFRP composites: a comparison of anodic and cathodic EPD. <i>Advances in Materials and Processing Technologies</i> , 1-9	0.8	2
27	A novel study of flexural behavior of short glass fibers as secondary reinforcements in GFRP composite. <i>Materials Today: Proceedings</i> , 2021 , 47, 3370-3370	1.4	2
26	Mechanical properties of glass/carbon inter-ply hybrid polymer composites at different in-situ temperatures. <i>Materials Today: Proceedings</i> , 2021 , 39, 1192-1197	1.4	2
25	Multimaterial laminated composites: An assessment of effect of stacking sequence on flexural response. <i>Materials Today: Proceedings</i> , 2021 , 44, 141-145	1.4	2
24	Enhanced creep resistance of GFRP composites through interpenetrating polymer network. <i>International Journal of Mechanical Sciences</i> , 2021 , 212, 106728	5.5	2
23	Recent advancements in interface engineering of carbon fiber reinforced polymer composites and their durability studies at different service temperatures. <i>Polymer Composites</i> ,	3	2
22	Influence of Stress on Creep Behavior of Ni60Zr40 Glass-Reinforced Ni Nanocomposite Investigated by Atomistic Simulations. <i>Transactions of the Indian Institute of Metals</i> , 2019 , 72, 2783-2791	1.2	1
21	Effect of in-situ temperature variation on mechanical response of glass/vinyl ester composites. <i>Materials Today: Proceedings</i> , 2020 , 27, 1142-1146	1.4	1
20	Study of debonding phenomena at interface and its implication on mechanical behaviour of epoxy-CNT nano-composite using molecular dynamics simulation. <i>Materials Today: Proceedings</i> , 2020 , 21, 1111-1115	1.4	1
19	Experimental amelioration of flexural behavior under cryogenic conditioning through inter-ply fiber hybridization in FRP composites. <i>Materials Today: Proceedings</i> , 2020 , 27, 1618-1624	1.4	1
18	Investigation of adhesively bonded multi-material joints: An assessment on joint efficiency and fracture morphology. <i>Materials Today: Proceedings</i> , 2020 , 27, 1180-1185	1.4	1
17	Implications of Degree of Thermal Shocks on Flexural Properties of Cu-Al ₂ O ₃ Micro- and Nano-composites. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 259-266	1.6	1
16	Analysis of Effect of Ultrasound on the Magnetic Topography of Electroplated Ni Films by Magnetic Force Microscopy (MFM). <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012 , 43, 267-275	2.5	1
15	Mechanical Behavior of Polymer Composites at Cryogenic Temperatures 2013 , 59-113		1

14	Effects of Changing Seawater Temperature on Mechanical Properties of GRP Composites. <i>Polymers and Polymer Composites</i> , 2007 , 15, 59-63	0.8	1
13	The effect of rotation on the eutectic phase in hypoeutectic Al-Si alloy. <i>Journal of Materials Science Letters</i> , 1991 , 10, 313-315		1
12	Effect of Post-Cathodic EPD Acetone Washing of Carbon Fibres on the Mechanical Properties of Graphene Carboxyl Embedded CFRP Composites. <i>Transactions of the Indian Institute of Metals</i> , 1	1.2	1
11	Finite element modelling and experimentation of plain weave glass/epoxy composites under high strain-rate compression loading for estimation of Johnson-Cook model parameters. <i>International Journal of Impact Engineering</i> , 2022 , 104262	4	1
10	Investigation of Elastic Properties of Rutile Titanium Dioxide from First Principles. <i>Springer Proceedings in Materials</i> , 2021 , 203-210	0.2	0
9	Through-Thickness High Strain Rate Compressive Response of Glass/Epoxy-Laminated Composites Embedded with Randomly Oriented Discontinuous Carbon Fibers. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 103-111	0.4	0
8	Effect of Bath Concentration during Electrophoretic Deposition on the Interfacial Behaviour of Hybrid CFRP Composites. <i>Materials Science Forum</i> , 2020 , 978, 304-310	0.4	
7	Thermal Shock Effect of Nano-TiO ₂ Enhanced Glass Fiber Reinforced Polymeric Composites: An Assessment on Tensile and Thermal Behavior. <i>Materials Science Forum</i> , 2020 , 978, 277-283	0.4	
6	An Assessment of Mechanical Performance of CNF Modified Glass Fiber/Epoxy Composites under Elevated Temperatures. <i>Materials Science Forum</i> , 2020 , 978, 311-315	0.4	
5	On the effects of bath composition and ultrasound on structure and properties of Cu thin films. <i>Russian Journal of Electrochemistry</i> , 2013 , 49, 131-137	1.2	
4	Evaluation of structural integrity and mechanical behavior of advanced FRP composites. <i>International Journal of Structural Integrity</i> , 2011 , 2, 214-222	1	
3	Carbon Nanotube Composites: Critical Issues 2021 , 1-30		
2	Response of Al-Based Micro- and Nanocomposites to Rapid Fluctuations in Thermal Environments. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 3678-3687	1.6	
1	Ceramic-Based Nanocomposites: A Perspective from Carbonaceous Nanofillers. <i>Materials Today Communications</i> , 2022 , 103764	2.5	