

Tibor Czigany

List of Publications by Year in descending order

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151
papers

4,862
citations

125106

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all docs

158
docs citations

158
times ranked

4797
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame retardancy of PET foams manufactured from bottle waste. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 217-228.	2.0	1
2	Thermally induced mechanical work and warpage compensation of asymmetric laminates. <i>Composite Structures</i> , 2022, 295, 115847.	3.1	2
3	Plastic waste from marine environment: Demonstration of possible routes for recycling by different manufacturing technologies. <i>Waste Management</i> , 2021, 119, 101-110.	3.7	65
4	Achieving Pseudo-Ductile Behavior of Carbon Fiber Reinforced Polymer Composites via Interfacial Engineering. <i>Advanced Engineering Materials</i> , 2021, 23, 2000822.	1.6	7
5	Applicability of fiber Bragg grating sensors for cure monitoring in resin transfer molding processes. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 701-713.	1.6	3
6	Multifunctional Carbon Fiber Sensors: The Effect of Anisotropic Electrical Conductivity. <i>IEEE Sensors Journal</i> , 2021, 21, 8960-8968.	2.4	3
7	Recycled PET foaming: Supercritical carbon dioxide assisted extrusion with real-time quality monitoring. <i>Advanced Industrial and Engineering Polymer Research</i> , 2021, 4, 178-186.	2.7	6
8	Design of laminates by a novel "double-layerup. <i>Thin-Walled Structures</i> , 2021, 165, 107954.	2.7	10
9	Electric resistance measurement-based structural health monitoring with multifunctional carbon fibers: Predicting, sensing, and measuring overload. <i>Composites Communications</i> , 2021, 28, 100913.	3.3	9
10	Future trends of plastic bottle recycling: Compatibilization of PET and PLA. <i>Polymer Testing</i> , 2020, 81, 106160.	2.3	67
11	Ultrasonic welding of all-polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48799.	1.3	15
12	Integrated Structures from Dissimilar Materials: The Future Belongs to Aluminum-Polymer Joints. <i>Advanced Engineering Materials</i> , 2020, 22, 2000007.	1.6	21
13	Non-Conventional Deformations: Materials and Actuation. <i>Materials</i> , 2020, 13, 1383.	1.3	7
14	Fatigue monitoring of flax fibre reinforced epoxy composites using integrated fibre-optical FBG sensors. <i>Composites Science and Technology</i> , 2020, 199, 108317.	3.8	31
15	Reinforcing carbon fibers as sensors: The effect of temperature and humidity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 131, 105819.	3.8	33
16	Self-sensing composite: Reinforcing fiberglass bundle for damage detection. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 131, 105804.	3.8	8
17	State Monitoring of Polymer Composites with Glass Optical Fibre and with Equipment Used in Telecommunication. <i>Acta Materialia Transylvanica</i> , 2020, 3, 1-9.	0.2	0
18	Novel evaluation method of acoustic emission data based on statistical fiber bundle cells. <i>Journal of Composite Materials</i> , 2019, 53, 2429-2446.	1.2	7

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19	Self-Sensing Polymer Composite: White-Light-Illuminated Reinforcing Fibreglass Bundle for Deformation Monitoring. <i>Sensors</i> , 2019, 19, 1745.	2.1	7
20	Multifunctional composite: Reinforcing fibreglass bundle for deformation self-sensing. <i>Composites Science and Technology</i> , 2019, 180, 78-85.	3.8	6
21	Toughening of Epoxy Resin: The Effect of Water Jet Milling on Worn Tire Rubber Particles. <i>Polymers</i> , 2019, 11, 529.	2.0	5
22	Recycling of Mixed Poly(Ethylene-terephthalate) and Poly(Lactic Acid). <i>MATEC Web of Conferences</i> , 2019, 253, 02005.	0.1	3
23	The Effect of Multilevel Carbon Reinforcements on the Fire Performance, Conductivity, and Mechanical Properties of Epoxy Composites. <i>Polymers</i> , 2019, 11, 303.	2.0	21
24	Multifunctional application of carbon fiber reinforced polymer composites: Electrical properties of the reinforcing carbon fibers – A short review. <i>Composites Part B: Engineering</i> , 2019, 162, 331-343.	5.9	282
25	Preface – Open access and quality. <i>EXPRESS Polymer Letters</i> , 2019, 13, 1-1.	1.1	0
26	Analysis of the applicability of optical fibers as sensors for the structural health monitoring of polymer composites: the relationship between attenuation and the deformation of the fiber. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 206-211.	2.0	5
27	Rheological and mechanical properties of recycled polyethylene films contaminated by biopolymer. <i>Waste Management</i> , 2018, 76, 190-198.	3.7	24
28	Adherability and weldability of poly(lactic acid) and basalt fibre-reinforced poly(lactic acid). <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 173-184.	1.4	6
29	Natural rubber/boehmite nanocomposites via latex compounding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 426, 012006.	0.3	0
30	Preface – Manuscript cemeteries. <i>EXPRESS Polymer Letters</i> , 2018, 12, 1-1.	1.1	1
31	New method for determining the bending modulus of solid and hollow fibers from deflection tests. <i>Textile Research Journal</i> , 2017, 87, 542-551.	1.1	2
32	Failure Assessment and Evaluation of Damage Development and Crack Growth in Polymer Composites Via Localization of Acoustic Emission Events: A Review. <i>Polymer Reviews</i> , 2017, 57, 397-439.	5.3	68
33	Development of Microcapsules. <i>Materials Science Forum</i> , 2017, 885, 31-35.	0.3	1
34	Design and characterisation of high performance, pseudo-ductile all-carbon/epoxy unidirectional hybrid composites. <i>Composites Part B: Engineering</i> , 2017, 111, 348-356.	5.9	63
35	Wanted: Revolutionary concepts with feasibility check. <i>EXPRESS Polymer Letters</i> , 2017, 11, 524-524.	1.1	0
36	Analysis of the Light Transmission Ability of Reinforcing Glass Fibers Used in Polymer Composites. <i>Materials</i> , 2017, 10, 637.	1.3	16

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37	3D printing-assisted interphase engineering of polymer composites: Concept and feasibility. EXPRESS Polymer Letters, 2017, 11, 525-530.	1.1	25
38	Preface "Plus-minus ten years. EXPRESS Polymer Letters, 2017, 11, 1-1.	1.1	0
39	Acoustic emission study of the TDCB test of microcapsules filled self-healing polymer. Polymer Testing, 2016, 54, 134-138.	2.3	9
40	Creep behaviour of injection-moulded basalt fibre reinforced poly(lactic acid) composites. Journal of Reinforced Plastics and Composites, 2016, 35, 1600-1610.	1.6	20
41	Comparison of thermal, mechanical and thermomechanical properties of poly(lactic acid) injection-molded into epoxy-based Rapid Prototyped (PolyJet) and conventional steel mold. Journal of Thermal Analysis and Calorimetry, 2016, 123, 349-361.	2.0	42
42	Preface to the tenth volume of Express Polymer Letters. EXPRESS Polymer Letters, 2016, 10, 1-1.	1.1	3
43	Production and properties of micro-cellulose reinforced thermoplastic starch. IOP Conference Series: Materials Science and Engineering, 2015, 74, 012008.	0.3	4
44	Preface "How to select a journal?. EXPRESS Polymer Letters, 2015, 9, 1-1.	1.1	1
45	Preface "The 'Gatekeeper' of Express Polymer Letters is 65. EXPRESS Polymer Letters, 2015, 9, 165-165.	1.1	1
46	Failure of compression molded all-polyolefin composites studied by acoustic emission. EXPRESS Polymer Letters, 2015, 9, 321-328.	1.1	7
47	Measuring of Fiber/Matrix Adhesion in Thermoplastic Polymer Composites: A Preliminary Study. Materials Science Forum, 2015, 812, 189-194.	0.3	0
48	Preface "How much are the keywords worth?. EXPRESS Polymer Letters, 2014, 8, 1-1.	1.1	1
49	Investigation of injection moulded poly(lactic acid) reinforced with long basalt fibres. Composites Part A: Applied Science and Manufacturing, 2014, 64, 99-106.	3.8	54
50	Finite element method assisted stiffness design procedure for non-circular profile composite wastewater pipe linings. Composite Structures, 2014, 112, 78-84.	3.1	6
51	Thermal and mechanical analysis of injection moulded poly(lactic acid) filled with poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 32	2.0	32
52	Damage detection and self-repair in hollow glass fiber fabric-reinforced epoxy composites via fiber filling. Composites Science and Technology, 2014, 99, 82-88.	3.8	82
53	Investigation of fiber/matrix adhesion: test speed and specimen shape effects in the cylinder test. Journal of Materials Science, 2013, 48, 3185-3191.	1.7	7
54	Preparation and characterization of in situ polymerized cyclic butylene terephthalate/graphene nanocomposites. Journal of Materials Science, 2013, 48, 2530-2535.	1.7	12

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55	Preparation and mechanical properties of injection moulded polyamide 6 matrix hybrid nanocomposite. <i>Composites Science and Technology</i> , 2013, 75, 22-27.	3.8	41
56	Improvement of creep resistance of polytetrafluoroethylene films by nano-inclusions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 377-387.	2.0	19
57	Preface "The critical seventh year. <i>EXPRESS Polymer Letters</i> , 2013, 7, 1-1.	1.1	0
58	A comparative analysis of hollow and solid glass fibers. <i>Textile Research Journal</i> , 2013, 83, 1764-1772.	1.1	12
59	Preface "Publication pollution". <i>EXPRESS Polymer Letters</i> , 2012, 6, 1-1.	1.1	3
60	Image processing assisted stress estimation method for ring compression tests of polymer composite pipes at large displacements. <i>Journal of Composite Materials</i> , 2012, 46, 2803-2809.	1.2	2
61	Microscopic analysis of the morphology of seams in friction stir welded polypropylene. <i>EXPRESS Polymer Letters</i> , 2012, 6, 54-62.	1.1	66
62	An easy soft-template route to synthesis of wormhole-like mesoporous tungsten carbide/carbon composites. <i>Composites Science and Technology</i> , 2012, 72, 1651-1655.	3.8	7
63	Effect of welding parameters on the heat affected zone and the mechanical properties of friction stir welded poly(ethylene terephthalate-glycol). <i>Journal of Applied Polymer Science</i> , 2012, 125, 2231-2238.	1.3	38
64	Determination of tensile strength of electrospun single nanofibers through modeling tensile behavior of the nanofibrous mat. <i>Composites Part B: Engineering</i> , 2012, 43, 15-21.	5.9	50
65	Cylinder test: Development of a new microbond method. <i>Polymer Testing</i> , 2012, 31, 164-170.	2.3	15
66	Investigation on the Flammability of Diverse Cast PA6 Semi-Finished Products. <i>Journal of Testing and Evaluation</i> , 2012, 40, 1027-1032.	0.4	0
67	Effect of nanotube content on mechanical properties of basalt fibre reinforced polyamide 6. <i>Plastics, Rubber and Composites</i> , 2011, 40, 289-293.	0.9	18
68	Fracture Behavior of Recyclable All-Polypropylene Composites Composed of 1 st - and 2 nd -Modifications. <i>Journal of Thermoplastic Composite Materials</i> , 2011, 24, 805-818.	2.6	8
69	A Probe on the Failure Mechanism in Rubber-Modified Epoxy Blends: Morphological and Acoustic Emission Analysis. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 1747-1765.	1.4	12
70	Thermoplastic starch composites reinforced by agricultural by-products: properties, biodegradability, and application. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1819-1825.	1.6	25
71	Electrical Properties of Magnesium Catalyzed Cast PA6 Semi-Finished Products. <i>Journal of Thermoplastic Composite Materials</i> , 2011, 24, 415-428.	2.6	2
72	Analysing fluctuation of material properties of non-circular profile filament wound composite pipes along perimeter of cross-section. <i>Plastics, Rubber and Composites</i> , 2011, 40, 369-373.	0.9	3

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73	Effect of low UD carbon fibre content on mechanical properties of <i>in situ</i> polymerised cyclic butylene terephthalate. <i>Plastics, Rubber and Composites</i> , 2011, 40, 121-124.	0.9	6
74	“Reinforced” knowledge: 14th European Conference on Composite Materials. <i>EXPRESS Polymer Letters</i> , 2011, 5, 208-208.	1.1	1
75	Application of the essential work of fracture (EWF) concept for polymers, related blends and composites: A review. <i>Progress in Polymer Science</i> , 2010, 35, 1257-1287.	11.8	227
76	Effect of the consolidation degree on the fracture and failure behavior of self-reinforced polypropylene composites as assessed by acoustic emission. <i>Polymer Engineering and Science</i> , 2010, 50, 2106-2113.	1.5	16
77	Manufacturing and testing of long basalt fiber reinforced thermoplastic matrix composites. <i>Polymer Engineering and Science</i> , 2010, 50, 2448-2456.	1.5	29
78	Enhancement of interfacial properties of basalt fiber reinforced nylon 6 matrix composites with silane coupling agents. <i>EXPRESS Polymer Letters</i> , 2010, 4, 590-598.	1.1	98
79	Modelling tensile force oscillation during the tensile test of PET specimens. <i>EXPRESS Polymer Letters</i> , 2009, 3, 63-69.	1.1	6
80	Ethylene-octene copolymer (POE) toughened polyamide 6/polypropylene nanocomposites: Effect of POE maleation. <i>EXPRESS Polymer Letters</i> , 2009, 3, 309-319.	1.1	32
81	Active fiber length distribution and its application to determine the critical fiber length. <i>Polymer Testing</i> , 2009, 28, 752-759.	2.3	16
82	Miscibility, morphology, thermal, and mechanical properties of a DGEBA based epoxy resin toughened with a liquid rubber. <i>Polymer</i> , 2008, 49, 278-294.	1.8	418
83	Interfacial effects in short sisal fiber/maleated castor oil foam composites. <i>Composite Interfaces</i> , 2008, 15, 95-110.	1.3	14
84	A Study of Water Absorption and Mechanical Properties of Glass Fiber/Polyester Composite Pipes “Effects of Specimen Geometry and Preparation. <i>Journal of Composite Materials</i> , 2008, 42, 2815-2827.	1.2	38
85	Discontinuous basalt and glass fiber reinforced PP composites from textile prefabricates: effects of interfacial modification on the mechanical performance. <i>Composite Interfaces</i> , 2008, 15, 697-707.	1.3	26
86	Biodegradable Foam Plastics Based on Castor Oil. <i>Biomacromolecules</i> , 2008, 9, 615-623.	2.6	109
87	Preparation and Properties of Nano-Silica Filled Self-Reinforced Polypropylene. <i>Advanced Materials Research</i> , 2008, 47-50, 318-321.	0.3	1
88	Editorial China “Europe collaboration on polymer composites. <i>Plastics, Rubber and Composites</i> , 2008, 37, 191-192.	0.9	0
89	Hybrids of HNBR and <i>in situ</i> polymerizable cyclic butylene terephthalate (CBT) oligomers: properties and dry sliding behavior. <i>EXPRESS Polymer Letters</i> , 2008, 2, 520-527.	1.1	15
90	Mechanical and Fracture Toughness Behavior of TPNR Nanocomposites. <i>Journal of Composite Materials</i> , 2007, 41, 2147-2159.	1.2	11

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91	Essential Work of Fracture and Acoustic Emission Study on TPNR Composites Reinforced by Kenaf Fiber. <i>Journal of Composite Materials</i> , 2007, 41, 3035-3049.	1.2	22
92	High Performance Self-Reinforced Polypropylene Composites. <i>Materials Science Forum</i> , 2007, 537-538, 121-128.	0.3	22
93	Ecomaterials-Foam Plastics Synthesized from Plant Oil-Based Resins. <i>Materials Science Forum</i> , 2007, 539-543, 2311-2316.	0.3	5
94	Mechanical Investigation of Hemp Fiber Reinforced Polypropylene with Different Types of MAPP Compatibilizer. <i>Materials Science Forum</i> , 2007, 537-538, 223-230.	0.3	1
95	Theoretical and experimental study of the effect of fiber heads on the mechanical properties of non-continuous basalt fiber reinforced composites. <i>EXPRESS Polymer Letters</i> , 2007, 1, 109-121.	1.1	17
96	Applicability of friction stir welding in polymeric materials. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2007, 51, 15.	0.8	67
97	Changes of porous poly(μ -caprolactone) bone grafts resulted from e-beam sterilization process. <i>Radiation Physics and Chemistry</i> , 2007, 76, 1430-1434.	1.4	12
98	Fracture and failure behavior of fabric-reinforced all-poly(propylene) composite (Curv \hat{A} [®]). <i>Polymers for Advanced Technologies</i> , 2007, 18, 90-96.	1.6	37
99	Failure characterization of polypropylene block copolymer welded joints. <i>Polymer Engineering and Science</i> , 2007, 47, 1062-1069.	1.5	2
100	Plastic Foam Based on Acrylated Epoxidized Soybean Oil. <i>Journal of Biobased Materials and Bioenergy</i> , 2007, 1, 417-426.	0.1	6
101	Trends in fiber reinforcements - the future belongs to basalt fiber. <i>EXPRESS Polymer Letters</i> , 2007, 1, 59-59.	1.1	43
102	Effect of thermal and hygrothermal aging on the plane stress fracture toughness of poly(ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.1	28
103	New approaches to the processing and tailoring of the properties of reinforced polymers. <i>EXPRESS Polymer Letters</i> , 2007, 1, 780-780.	1.1	0
104	Modeling and investigation of the reinforcing effect of maize hull in PE matrix composites. <i>Polymers for Advanced Technologies</i> , 2006, 17, 825-829.	1.6	8
105	Development of composites with recycled PET matrix. <i>Polymers for Advanced Technologies</i> , 2006, 17, 830-834.	1.6	36
106	Synthesis, structural and mechanical properties of porous polymeric scaffolds for bone tissue regeneration based on neat poly(ϵ -caprolactone) and its composites with calcium carbonate. <i>Polymers for Advanced Technologies</i> , 2006, 17, 889-897.	1.6	29
107	Development and characterization of self-reinforced poly(propylene) composites: carded mat reinforcement. <i>Polymers for Advanced Technologies</i> , 2006, 17, 818-824.	1.6	67
108	Advanced polymer systemsâ€™ convergent tendency. <i>Polymers for Advanced Technologies</i> , 2006, 17, 613-614.	1.6	0

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109	Interrelationships between welding parameters of hot-gas welded polypropylene. <i>Polymer Engineering and Science</i> , 2006, 46, 1173-1181.	1.5	15
110	Special manufacturing and characteristics of basalt fiber reinforced hybrid polypropylene composites: Mechanical properties and acoustic emission study. <i>Composites Science and Technology</i> , 2006, 66, 3210-3220.	3.8	191
111	Analysis of low temperature impact fracture data of thermoplastic polymers making use of an inverse methodology. <i>Engineering Fracture Mechanics</i> , 2006, 73, 738-749.	2.0	10
112	Failure mode characterization in maize hull filled polyethylene composites by acoustic emission. <i>Polymer Testing</i> , 2006, 25, 353-357.	2.3	18
113	Cavity formation and stress-oscillation during the tensile test of injection molded specimens made of PET. <i>Polymer Bulletin</i> , 2006, 57, 989-998.	1.7	17
114	Determination of Jâ€‘R curves of thermoplastic starch composites containing crossed quasi-unidirectional flax fiber reinforcement. <i>Composites Science and Technology</i> , 2006, 66, 3179-3187.	3.8	21
115	High density polyethylene/ultra high molecular weight polyethylene blend. II. Effect of hydroxyapatite on processing, thermal, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2006, 100, 3931-3942.	1.3	42
116	Development and Analysis of New Filament Wound Composite Pipes Made of Glass Fiber Reinforced 3P Resin. <i>Macromolecular Symposia</i> , 2006, 239, 232-244.	0.4	3
117	On consolidation of self-reinforced polypropylene composites. <i>Plastics, Rubber and Composites</i> , 2006, 35, 375-379.	0.9	55
118	Strength Modeling of Two-component Hybrid Fiber Composites in case of Simultaneous Fiber Failures. <i>Journal of Composite Materials</i> , 2006, 40, 1735-1762.	1.2	9
119	Reducing water absorption in compostable starch-based plastics. <i>Polymer Degradation and Stability</i> , 2005, 90, 563-569.	2.7	176
120	High-density polyethylene/ultrahigh-molecular-weight polyethylene blend. I. The processing, thermal, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2005, 97, 413-425.	1.3	87
121	In-plane and Out-of-plane Fracture Toughness of Physically Aged Polyesters as Assessed by the Essential Work of Fracture (EWF) Method. <i>International Journal of Fracture</i> , 2005, 135, 251-265.	1.1	27
122	Fracture and failure behavior of basalt fiber mat-reinforced vinylester/epoxy hybrid resins as a function of resin composition and fiber surface treatment. <i>Journal of Materials Science</i> , 2005, 40, 5609-5618.	1.7	60
123	Basalt Fiber Reinforced Hybrid Polymer Composites. <i>Materials Science Forum</i> , 2005, 473-474, 59-66.	0.3	80
124	An Acoustic Emission Study of Flax Fiber-Reinforced Polypropylene Composites. <i>Journal of Composite Materials</i> , 2004, 38, 769-778.	1.2	25
125	Biomechanical evaluation of press-fit femoral fixation technique in ACL reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2004, 12, 528-533.	2.3	27
126	Effect of UV aging on the tensile and fracture mechanical response of syndiotactic polypropylenes of various crystallinity. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3462-3469.	1.3	18

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127	Effect of fibre surface treatment on the mechanical response of ceramic fibre mat-reinforced interpenetrating vinylester/epoxy resins. <i>Composites Science and Technology</i> , 2004, 64, 1717-1723.	3.8	23
128	Tensile Fracture and Failure Behavior of Thermoplastic Starch with Unidirectional and Cross-Ply Flax Fiber Reinforcements. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 699-707.	1.7	98
129	Tensile fracture and failure behavior of technical flax fibers. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3638-3645.	1.3	98
130	Effect of hygrothermal aging on the essential work of fracture response of amorphous poly(ethylene terephthalate) / Overlock 10 Tj ETQq0 0 0 rgBT /	2.7	25
131	Static fracture and failure behavior of aligned discontinuous mineral fiber reinforced polypropylene composites. <i>Polymer Testing</i> , 2003, 22, 711-719.	2.3	70
132	Mode I fracture resistance of glass fiber mat-reinforced polypropylene composites at various degree of consolidation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2003, 34, 267-273.	3.8	19
133	Use of reactive surfactants in basalt fiber reinforced polypropylene composites. <i>Macromolecular Symposia</i> , 2003, 202, 255-268.	0.4	38
134	INVESTIGATION OF STATIC AND DYNAMIC FRACTURE TOUGHNESS OF SHORT CERAMIC FIBER REINFORCED POLYPROPYLENE COMPOSITES. <i>Journal of Macromolecular Science - Physics</i> , 2002, 41, 1191-1204.	0.4	5
135	Effect of Consolidation Degree on the Failure Generated Acoustic Emission Response of Discontinuous Glass Fibre Mat-Reinforced Polypropylenes. <i>Advanced Composites Letters</i> , 2001, 10, 096369350101000.	1.3	4
136	Comparison of the Instrumented Falling Weight Impact Response of Polypropylene Composites Reinforced by Continuous and Discontinuous Fiber Mats. <i>Journal of Reinforced Plastics and Composites</i> , 2001, 20, 996-1012.	1.6	4
137	An acoustic emission study of the temperature-dependent fracture behavior of polypropylene composites reinforced by continuous and discontinuous fiber mats. <i>Composites Science and Technology</i> , 2000, 60, 1203-1212.	3.8	29
138	Deformation rate dependence of the essential and non-essential work of fracture parameters in an amorphous copolyester. <i>Polymer</i> , 1998, 39, 3939-3944.	1.8	128
139	Thickness dependence of work of fracture parameters of an amorphous copolyester. <i>Polymer</i> , 1997, 38, 4587-4593.	1.8	133
140	Comparison of the failure mode in short and long glass fiber-reinforced injection-molded polypropylene composites by acoustic emission. <i>Polymer Bulletin</i> , 1993, 31, 495-501.	1.7	37
141	Investigation of the Debonding Process in Wood Fiber Reinforced Polymer Composites by Acoustic Emission. <i>Materials Science Forum</i> , 0, 537-538, 199-206.	0.3	5
142	Investigation of Basalt Fiber Reinforced Polyamide Composites. <i>Materials Science Forum</i> , 0, 589, 7-12.	0.3	5
143	Effect of Air Humidity on the Mechanical Properties of <i>In Situ</i> Polymerized Cyclic Butylene Terephthalate Matrix Composites. <i>Materials Science Forum</i> , 0, 659, 1-5.	0.3	1
144	Dynamic Mechanical Tests on Magnesium Catalyzed Cast Polyamide 6 Composites Having Different Additives. <i>Materials Science Forum</i> , 0, 659, 269-275.	0.3	3

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145	Analysis of Applicability of the Hollow Carbon Fibres for Self-Repairing Composites. Materials Science Forum, 0, 729, 246-251.	0.3	5
146	Investigation of Mechanical Properties and Crack Propagation Behaviour of Hybrid Composites with Epoxy Resin Matrix. Materials Science Forum, 0, 729, 284-289.	0.3	3
147	Preparation of Microcapsules for Self-Healing Polymers. Materials Science Forum, 0, 729, 205-209.	0.3	1
148	Development of Cellulose-Reinforced Poly(Lactic Acid) (PLA) for Engineering Applications. Materials Science Forum, 0, 812, 59-64.	0.3	2
149	Developing a glass fibre sensor for polymer technology applications. IOP Conference Series: Materials Science and Engineering, 0, 426, 012015.	0.3	1
150	Investigation of the Recyclability and Compostability of Biopolymers Contaminated by Petroleum-Based Polymers. Key Engineering Materials, 0, 888, 23-28.	0.4	0
151	Multi-Parameter Layup Optimization and the Effect of Layup Homogenization on the Bending Compliance Matrix of Coupled Composites. Periodica Polytechnica, Mechanical Engineering, 0, , .	0.8	0