Alessandro Pegoretti

List of Publications by Year
in descending order

304 papers	9,569 citations	47006 47 h-index	69250 77 g-index
309 all docs	309 docs citations	309 times ranked	8156 citing authors

#	Article	IF	Citations
1	Recent advances in fiber/matrix interphase engineering for polymer composites. Progress in Materials Science, 2015, 73, 1-43.	32.8	440
2	Fused deposition modelling with ABSâ€“graphene nanocomposites. Composites Part A: Applied Science and Manufacturing, 2016, 85, 181-191.	7.6	387
3	Finite element analysis of a glass fibre reinforced composite endodontic post. Biomaterials, 2002, 23, 2667-2682.	11.4	354
4	Biodegradable fibres of poly(l-lactic acid) produced by melt spinning. Polymer, 1997, 38, 79-85.	3.8	251
5	Thermo-mechanical characterization of fumed silica-epoxy nanocomposites. Polymer, 2005, 46, 12065-12072.	3.8	217
6	Electrically conductive nanocomposites for fused deposition modelling. Synthetic Metals, 2017, 226, 7-14.	3.9	139
7	Recycled poly(ethylene terephthalate)/layered silicate nanocomposites: morphology and tensile mechanical properties. Polymer, 2004, 45, 2751-2759.	3.8	137
8	Intraply and interply hybrid composites based on E-glass and poly(vinyl alcohol) woven fabrics: tensile and impact properties. Polymer International, 2004, 53, 1290-1297.	3.1	126
9	Filler aggregation as a reinforcement mechanism in polymer nanocomposites. Mechanics of Materials, 2013, 61, 79-90.	3.2	119
10	Mechanical properties and strain monitoring of glass-epoxy composites with graphene-coated fibers. Composites Part A: Applied Science and Manufacturing, 2018, 107, 112-123.	7.6	105
11	Filaments Production and Fused Deposition Modelling of ABS/Carbon Nanotubes Composites. Nanomaterials, 2018, 8, 49.	4.1	104
12	Linear low-density polyethylene/silica micro- and nanocomposites: dynamic rheological measurements and modelling. EXPRESS Polymer Letters, 2010, 4, 115-129.	2.1	101
13	Magnetostrictive polymer composites: Recent advances in materials, structures and properties. Progress in Materials Science, 2018, 97, 204-229.	32.8	101
14	Electrically pressure sensitive poly(vinylidene fluoride)/polypyrrole electrospun mats. RSC Advances, 2014, 4, 15749-15758.	3.6	99
15	Fatigue resistance of basalt fibers-reinforced laminates. Journal of Composite Materials, 2012, 46, 1773-1785.	2.4	97
16	Enhancement of interfacial adhesion in glass fiber/epoxy composites by electrophoretic deposition of graphene oxide on glass fibers. Composites Science and Technology, 2016, 126, 149-157.	7.8	96
17	All-carbon multi-scale and hierarchical fibers and related structural composites: A review. Composites Science and Technology, 2020, 186, 107932.	7.8	92
18	Electromagnetic interference shielding effectiveness of ABS carbon-based composites manufactured via fused deposition modelling. Materials Today Communications, 2018, 15, 70-80.	1.9	90

#	Article	IF	Citations
19	Tensile mechanical response of polyethylene â€“ clay nanocomposites. EXPRESS Polymer Letters, 2007, 1, 123-131.	2.1	89
20	Relaxation processes in polyethylene fibre-reinforced polyethylene composites. Composites Science and Technology, 2000, 60, 1181-1189.	7.8	82
21	Non-linear tensile creep of polypropylene: Time-strain superposition and creep prediction. Polymer, 2006, 47, 346-356.	3.8	75
22	Effect of Silica Nanoparticles on the Mechanical Performances of Poly(Lactic Acid). Journal of Polymers and the Environment, 2012, 20, 713-725.	5.0	75
23	Multifunctional epoxy/carbon fiber laminates for thermal energy storage and release. Composites Science and Technology, 2018, 158, 101-111.	7.8	75
24	Effect of nanoclay addition on the fiber/matrix adhesion in epoxy/glass composites. Journal of Composite Materials, 2012, 46, 1439-1451.	2.4	71
25	Improving Epoxy Adhesives with Zirconia Nanoparticles. Composite Interfaces, 2010, 17, 873-892.	2.3	70
26	Determining the role of interfacial transcrystallinity in composite materials by dynamic mechanical thermal analysis. Composites, 1995, 26, 707-712.	0.7	69
27	The effect of filler type and content and the manufacturing process on the performance of multifunctional carbon/poly-lactide composites. Carbon, 2011, 49, 4280-4290.	10.3	69
28	The role of alumina nanoparticles in epoxy adhesives. Journal of Nanoparticle Research, 2011, 13, 2429-2441.	1.9	68
29	Contact angle measurements as a tool to investigate the fillerâ€“matrix interactions in polyurethaneâ€“clay nanocomposites from blocked prepolymer. European Polymer Journal, 2008, 44, 1662-1672.	5.4	66
30	Recycled poly(ethylene terephthalate) and its short glass fibres composites: effects of hygrothermal aging on the thermo-mechanical behaviour. Polymer, 2004, 45, 7995-8004.	3.8	65
31	Flexural and impact behaviour of carbon/basalt fibers hybrid laminates. Journal of Composite Materials, 2014, 48, 1121-1130.	2.4	65
32	Polyhydroxyalkanoates/Fibrillated Nanocellulose Composites for Additive Manufacturing. Journal of Polymers and the Environment, 2019, 27, 1333-1341.	5.0	65
33	Effects of the Nanofillers on Physical Properties of Acrylonitrile-Butadiene-Styrene Nanocomposites: Comparison of Graphene Nanoplatelets and Multiwall Carbon Nanotubes. Nanomaterials, 2018, 8, 674.	4.1	64
34	Thermo-mechanical properties of high density polyethylene â€“ fumed silica nanocomposites: effect of filler surface area and treatment. Journal of Polymer Research, 2012, 19, 1.	2.4	63
35	Photocurable resin/nanocellulose composite coatings for wood protection. Progress in Organic Coatings, 2017, 106, 128-136.	3.9	60
36	Preparation and tensile mechanical properties of unidirectional liquid crystalline single-polymer composites. Composites Science and Technology, 2006, 66, 1970-1979.	7.8	59

#	Article	IF	Citations
37	Fracture behaviour of linear low density polyethylene â€“ fumed silica nanocomposites. Engineering Fracture Mechanics, 2012, 79, 213-224.	4.3	58
38	Wax Confinement with Carbon Nanotubes for Phase Changing Epoxy Blends. Polymers, 2017, 9, 405.	4.5	58
39	Effect of temperature and strain rate on interfacial shear stress transfer in carbon/epoxy model composites. Composites Science and Technology, 1995, 53, 39-46.	7.8	57
40	Evaluation of the statistical parameters of a Weibull distribution. Journal of Materials Science, 1997, 32, 3711-3716.	3.7	57
41	Synergistic effect of exfoliated graphite nanoplatelets and short glass fiber on the mechanical and interfacial properties of epoxy composites. Composites Science and Technology, 2014, 98, 15-21.	7.8	57
42	Fatigue crack propagation in polypropylene reinforced with short glass fibres. Composites Science and Technology, 1999, 59, 1055-1062.	7.8	52
43	Improved electroactive phase content and dielectric properties of flexible PVDF nanocomposite films filled with Au- and Cu-doped graphene oxide hybrid nanofiller. Synthetic Metals, 2016, 220, 653-660.	3.9	52
44	Polyvinyl alcohol reinforced with crystalline nanocellulose for 3D printing application. Materials Today Communications, 2018, 15, 236-244.	1.9	52
45	Silica nanoparticles as coupling agents for polypropylene/glass composites. Composites Science and Technology, 2013, 76, 77-83.	7.8	51
46	Developments in dynamic testing of rubber compounds: assessment of non-linear effects. Polymer Testing, 2003, 22, 681-687.	4.8	50
47	Effects of hygrothermal aging on the molar mass and thermal properties of recycled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 233-243.	5.8	50
48	3D printable thermoplastic polyurethane blends with thermal energy storage/release capabilities. Materials Today Communications, 2018, 15, 228-235.	1.9	50
49	Time, temperature, and strain effects on viscoelastic Poisson's ratio of epoxy resins. Polymer Engineering and Science, 2008, 48, 1434-1441.	3.1	49
50	Thermo-mechanical characterization of epoxy/clay nanocomposites as matrices for carbon/nanoclay/epoxy laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 6324-6333.	5.6	48
51	Biodegradable single-polymer composites from polyvinyl alcohol. Colloid and Polymer Science, 2012, 290, 359-370.	2.1	48
52	Polyaniline-coated coconut fibers: Structure, properties and their use as conductive additives in matrix of polyurethane derived from castor oil. Polymer Testing, 2014, 38, 18-25.	4.8	48
53	Multifunctional glass fiber/polyamide composites with thermal energy storage/release capability. EXPRESS Polymer Letters, 2018, 12, 349-364.	2.1	48
54	Thermal stability of high density polyethyleneâ€“fumed silica nanocomposites. Journal of Thermal Analysis and Calorimetry, 2012, 109, 863-873.	3.6	46

#	Article	IF	Citations
55	Highâ€density polyethylene reinforced with submicron titania particles. Polymer Engineering and Science, 2008, 48, 448-457.	3.1	45
56	Proposal of the Boltzmann-like superposition principle for nonlinear tensile creep of thermoplastics. Polymer Testing, 2008, 27, 596-606.	4.8	45
57	Docosane-Organosilica Microcapsules for Structural Composites with Thermal Energy Storage/Release Capability. Materials, 2019, 12, 1286.	2.9	45
58	Graphene/Carbon Nanotube Hybrid Nanocomposites: Effect of Compression Molding and Fused Filament Fabrication on Properties. Polymers, 2020, 12, 101.	4.5	45
59	Tensile creep behaviour of polymethylpenteneâ€“silica nanocomposites. Polymer International, 2010, 59, 719-724.	3.1	43
60	Nonlinear tensile creep of linear low density polyethylene/fumed silica nanocomposites: Time-strain superposition and creep prediction. Polymer Composites, 2010, 31, 1947-1955.	4.6	43
61	Thermomechanical behaviour of interfacial region in carbon fibre/epoxy composites. Composites Part A: Applied Science and Manufacturing, 1996, 27, 1067-1074.	7.6	42
62	In vitro degradation of poly(L-lactic acid) fibers produced by melt spinning. Journal of Applied Polymer Science, 1997, 64, 213-223.	2.6	42
63	Electromagnetic interference shielding effectiveness and microwave absorption properties of thermoplastic polyurethane/montmorilloniteâ€polypyrrole nanocomposites. Polymers for Advanced Technologies, 2018, 29, 1377-1384.	3.2	42
64	Novel reactive thermoplastic resin as a matrix for laminates containing phase change microcapsules. Polymer Composites, 2019, 40, 3711-3724.	4.6	42
65	Experimental optimization of the impact energy absorption of epoxyâ€“carbon laminates through controlled delamination. Composites Science and Technology, 2008, 68, 2653-2662.	7.8	41
66	Linear low density polyethylene/cycloolefin copolymer blends. EXPRESS Polymer Letters, 2011, 5, 23-37.	2.1	41
67	Fracture toughness of the fibre-matrix interface in glass-epoxy composites. Journal of Materials Science, 1996, 31, 6145-6153.	3.7	40
68	Air-plasma treated polyethylene fibres: effect of time and temperature ageing on fibre surface properties and on fibre-matrix adhesion. Journal of Materials Science, 1994, 29, 3919-3925.	3.7	39
69	Electrospinning of doped and undoped-polyaniline/poly(vinylidene fluoride) blends. Synthetic Metals, 2016, 213, 34-41.	3.9	38
70	Fatigue characterization of polyethylene fiber reinforced polyolefin biomedical composites. Composites Part A: Applied Science and Manufacturing, 2002, 33, 453-458.	7.6	37
71	Chemical and mechanical treatments to improve the surface properties of shape memory NiTi wires. Surface and Coatings Technology, 2008, 202, 2214-2222.	4.8	37
72	Time and temperature effects on Poissonâ€™s ratio of poly(butylene terephthalate). EXPRESS Polymer Letters, 2011, 5, 685-697.	2.1	37

#	Article	IF	Citations
73	Expanded graphite nanoplatelets as coupling agents in glass fiber reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2014, 66, 25-34.	7.6	37
74	Spinning, drawing and physical properties of polypropylene nanocomposite fibers with fumed nanosilica. EXPRESS Polymer Letters, 2015, 9, 277-290.	2.1	37
75	Phase changing nanocomposites for low temperature thermal energy storage and release. EXPRESS Polymer Letters, 2017, 11, 738-752.	2.1	37
76	Atomic force acoustic microscopy analysis of epoxyâ€“silica nanocomposites. Polymer Testing, 2006, 25, 443-451.	4.8	36
77	Monitoring the mechanical behavior under ramp and creep conditions of electrically conductive polymer composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1285-1292.	7.6	36
78	Prediction of the gas permeability of heterogeneous polymer blends. Polymer Engineering and Science, 2000, 40, 127-131.	3.1	35
79	Improving the creep stability of high-density polyethylene with acicular titania nanoparticles. Journal of Applied Polymer Science, 2009, 112, 1045-1055.	2.6	35
80	Physical properties of polyhedral oligomeric silsesquioxanesâ€“cycloolefin copolymer nanocomposites. Journal of Applied Polymer Science, 2009, 114, 2270-2279.	2.6	35
81	E: Food Engineering & Physical Properties. Effect of Supercritical Carbon Dioxide Pasteurization on Natural Microbiota, Texture, and Microstructure of Freshâ€Cut Coconut. Journal of Food Science, 2012, 77, E137-43.	3.1	35
82	Starch-grafted-polypropylene/kenaf fibres composites. Part 1: Mechanical performances and viscoelastic behaviour. Composites Part A: Applied Science and Manufacturing, 2014, 56, 328-335.	7.6	35
83	Rapid Prototyping of Efficient Electromagnetic Interference Shielding Polymer Composites via Fused Deposition Modeling. Applied Sciences (Switzerland), 2019, 9, 37.	2.5	35
84	High-Performance Polyamide/Carbon Fiber Composites for Fused Filament Fabrication: Mechanical and Functional Performances. Journal of Materials Engineering and Performance, 2021, 30, 5066-5085.	2.5	35
85	High performance polyethylene nanocomposite fibers. EXPRESS Polymer Letters, 2012, 6, 954-964.	2.1	35
86	Non-Linear Long-Term Tensile Creep of Poly(propylene)/Cycloolefin Copolymer Blends with Fibrous Structure. Macromolecular Materials and Engineering, 2003, 288, 629-641.	3.6	34
87	Relaxation processes and fatigue behavior of crosslinked UHMWPE fiber compacts. Composites Science and Technology, 2005, 65, 87-94.	7.8	34
88	Flexural and interlaminar mechanical properties of unidirectional liquid crystalline single-polymer composites. Composites Science and Technology, 2006, 66, 1953-1962.	7.8	34
89	Toughening linear low-density polyethylene with halloysite nanotubes. Polymer Composites, 2015, 36, 869-883.	4.6	34
90	Strengthening of polypropyleneâ€“glass fiber interface by direct metallocenic polymerization of propylene onto the fibers. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1915-1923.	7.6	33

#	Article	IF	Citations
91	Monitoring the Mechanical Behaviour of Electrically Conductive Polymer Nanocomposites Under Ramp and Creep Conditions. Journal of Nanoscience and Nanotechnology, 2012, 12, 4093-4102.	0.9	31
92	Thermal, viscoelastic and mechanical behavior of polypropylene with synthetic boehmite alumina nanoparticles. Polymer Testing, 2014, 35, 92-100.	4.8	31
93	3D printing of ABS Nanocomposites. Comparison of processing and effects of multi-wall and single-wall carbon nanotubes on thermal, mechanical and electrical properties. Journal of Materials Science and Technology, 2022, 121, 52-66.	10.7	31
94	POLYETHYLENE WAX/EPDM BLENDS AS SHAPE-STABILIZED PHASE CHANGE MATERIALS FOR THERMAL ENERGY STORAGE. Rubber Chemistry and Technology, 2017, 90, 575-584.	1.2	30
95	Application of the thermal energy storage concept to novel epoxyâ€“short carbon fiber composites. Journal of Applied Polymer Science, 2019, 136, 47434.	2.6	30
96	Hybrid Composites Based on Thermoplastic Polyurethane With a Mixture of Carbon Nanotubes and Carbon Black Modified With Polypyrrole for Electromagnetic Shielding. Frontiers in Materials, 2020, 7, .	2.4	30
97	Biodegradable fibres. Journal of Materials Science: Materials in Medicine, 1994, 5, 679-683.	3.6	29
98	Fatigue Fracture of Neat and Short Glass Fiber Reinforced Polypropylene: Effect of Frequency and Material Orientation. Journal of Composite Materials, 2000, 34, 1009-1027.	2.4	29
99	Recovery of post-yielding deformations in semicrystalline poly(ethylene-terephthalate). Polymer, 2000, 41, 1857-1864.	3.8	29
100	Cycloolefin copolymer/fumed silica nanocomposites. Journal of Applied Polymer Science, 2011, 119, 3393-3402.	2.6	29
101	In situ reduction of graphene oxide dispersed in a polymer matrix. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	29
102	Thermo-mechanical properties of innovative microcrystalline cellulose filled composites for art protection and restoration. Journal of Materials Science, 2014, 49, 2035-2044.	3.7	29
103	Mechanical and thermal properties of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (succinate)/poly(3â€hydroxy Polymer Science, 2015, 132, .	2.6	29
104	A comparison between micro- and nanocellulose-filled composite adhesives for oil paintings restoration. Nanocomposites, 2015, 1, 195-203.	4.2	29
105	Polylactic acid-lauryl functionalized nanocellulose nanocomposites: Microstructural, thermo-mechanical and gas transport properties. EXPRESS Polymer Letters, 2019, 13, 858-876.	2.1	29
106	Thermo-Mechanical Behavior of Novel Wood Laminae-Thermoplastic Starch Biodegradable Composites With Thermal Energy Storage/Release Capability. Frontiers in Materials, 2019, 6, .	2.4	29
107	Discontinuous carbon fiber/polyamide composites with microencapsulated paraffin for thermal energy storage. Journal of Applied Polymer Science, 2019, 136, 47408.	2.6	29
108	Hydrolytic resistance of model poly(ether urethane ureas) and poly(ester urethane ureas). Journal of Applied Polymer Science, 1998, 70, 577-586.	2.6	28

#	Article	IF	Citations
109	Prediction of nonlinear long-term tensile creep of heterogeneous blends: Rubber-toughened polypropylene-poly(styrene-co-acrylonitrile). Journal of Applied Polymer Science, 2003, 88, 641-651.	2.6	28
110	On the essential work of fracture of linear low-density-polyethylene. I. Precision of the testing method. Engineering Fracture Mechanics, 2009, 76, 2788-2798.	4.3	28
111	Development and thermoâ€mechanical behavior of nanocomposite epoxy adhesives. Polymers for Advanced Technologies, 2012, 23, 660-668.	3.2	28
112	Hybridization of short glass fiber polypropylene composites with nanosilica and graphite nanoplatelets. Journal of Reinforced Plastics and Composites, 2014, 33, 1682-1695.	3.1	28
113	Trends in composite materials: the challenge of single-polymer composites. EXPRESS Polymer Letters, 2007, 1, 710-710.	2.1	28
114	Prediction of the creep of heterogeneous polymer blends: Rubber-toughened polypropylene/poly(styrene-co-acrylonitrile). Polymer Engineering and Science, 2002, 42, 161-169.	3.1	27
115	Polypropylene/cycloolefin copolymer blends: effects of fibrous phase structure on tensile mechanical properties. Polymer, 2003, 44, 3381-3387.	3.8	27
116	Timeâ€“temperature dependence of the electrical resistivity of highâ€density polyethylene/carbon black composites. Journal of Applied Polymer Science, 2007, 106, 2065-2074.	2.6	27
117	Hybrid composites of <scp>ABS</scp> with carbonaceous fillers for electromagnetic shielding applications. Journal of Applied Polymer Science, 2018, 135, 46546.	2.6	27
118	Non-isothermal crystallization kinetics of polypropylene/short glass fibre/multiwalled carbon nanotube composites. RSC Advances, 2018, 8, 39127-39139.	3.6	27
119	Interfacial stress transfer in nylon-6/E-Glass microcomposites: Effect of temperature and strain rate. Polymer Composites, 2000, 21, 466-475.	4.6	26
120	Detailed experimental and theoretical investigation of the thermomechanical properties of epoxy composites containing paraffin microcapsules for thermal management. Polymer Engineering and Science, 2020, 60, 1202-1220.	3.1	26
121	Toughness of the fiber/matrix interface in nylon-6/glass fiber composites. Composites Part A: Applied Science and Manufacturing, 1998, 29, 283-291.	7.6	25
122	Viscoelastic behaviour and fracture toughness of linear-low-density polyethylene reinforced with synthetic boehmite alumina nanoparticles. EXPRESS Polymer Letters, 2013, 7, 652-666.	2.1	25
123	Synergistic effects of carbon black and carbon nanotubes on the electrical resistivity of poly(butyleneâ€terephthalate) nanocomposites. Advances in Polymer Technology, 2018, 37, 1744-1754.	1.7	25
124	Ternary polymer blends: prediction of mechanical properties for various phase structures. Polymers for Advanced Technologies, 2000, 11, 75-81.	3.2	24
125	On the essential work of fracture of neat and rubber toughened polyamide-66. Engineering Fracture Mechanics, 2006, 73, 2486-2502.	4.3	24
126	Effect of graphene nanoplatelets structure on the properties of acrylonitrileâ€“butadieneâ€“styrene composites. Polymer Composites, 2019, 40, E285.	4.6	24

#	Article	IF	Citations
127	Towards sustainable structural composites: A review on the recycling of continuous-fiber-reinforced thermoplastics. Advanced Industrial and Engineering Polymer Research, 2021, 4, 105-115.	4.7	24
128	Molecular transport through 3-hydroxybutyrate co-3-hydroxyhexanoate biopolymer films with dispersed graphene oxide nanoparticles: Gas barrier, structural and mechanical properties. Polymer Testing, 2020, 81, 106181.	4.8	23
129	Determination of the fracture toughness of thermoformed polypropylene cups by the essential work method. Polymer Engineering and Science, 1997, 37, 1045-1052.	3.1	22
130	Blending, Grafting, and Cross-Linking Processes between Poly(ethylene oxide) and a (4-Benzoylphenoxy)â¼0.5(Methoxyethoxyethoxy)â¼0.5Phospha- zene Copolymer. Macromolecules, 2000, 33, 1173-1180.	4.8	22
131	High-density polyethylene/cycloolefin copolymer blends, part 2: Nonlinear tensile creep. Polymer Engineering and Science, 2006, 46, 1363-1373.	3.1	22
132	Electrically conductive epoxy nanocomposites containing carbonaceous fillers and in-situ generated silver nanoparticles. EXPRESS Polymer Letters, 2013, 7, 673-682.	2.1	22
133	Liquid crystalline polymer nanocomposites reinforced with in-situ reduced graphene oxide. EXPRESS Polymer Letters, 2015, 9, 709-720.	2.1	22
134	Electrically conductive composites of polyurethane derived from castor oil with polypyrroleâ€coated peach palm fibers. Polymer Composites, 2017, 38, 2146-2155.	4.6	22
135	Fused Filament Fabrication of Piezoresistive Carbon Nanotubes Nanocomposites for Strain Monitoring. Frontiers in Materials, 2020, 7, .	2.4	22
136	Crack growth in discontinuous glass fibre reinforced polypropylene under dynamic and static loading conditions. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1539-1547.	7.6	21
137	Nanofiller Aggregation as Reinforcing Mechanism in Nanocomposites. Procedia Engineering, 2011, 10, 894-899.	1.2	21
138	On the toughness of thermoplastic polymer nanocomposites as assessed by the essential work of fracture (EWF) approach. Composite Interfaces, 2013, 20, 395-404.	2.3	21
139	Effects of Fumed Silica and Draw Ratio on Nanocomposite Polypropylene Fibers. Polymers, 2017, 9, 41.	4.5	21
140	Polymer-derived silicon nitride aerogels as shape stabilizers for low and high-temperature thermal energy storage. Journal of the European Ceramic Society, 2021, 41, 5484-5494.	5.7	21
141	Experimental evaluation of residual stresses in single fibre composites by means of the fragmentation test. Journal of Materials Science, 1996, 31, 2385-2392.	3.7	20
142	Polypropylene/elastomer/poly(styrene-co-acrylonitrile) blends: Manifestation of the critical volume fraction of SAN in dynamic mechanical, tensile and impact properties. Journal of Polymer Research, 2000, 7, 7-14.	2.4	20
143	Polyvinyl alcohol reinforced with carbon nanotubes for fused deposition modeling. Journal of Reinforced Plastics and Composites, 2018, 37, 716-727.	3.1	20
144	Unveiling the hybrid interface in polymer nanocomposites enclosing silsesquioxanes with tunable molecular structure: Spectroscopic, thermal and mechanical properties. Journal of Colloid and Interface Science, 2018, 512, 609-617.	9.4	20

#	Article	IF	Citations
145	Dynamic-mechanical response of carbon fiber laminates with a reactive thermoplastic resin containing phase change microcapsules. Mechanics of Time-Dependent Materials, 2020, 24, 395-418.	4.4	20
146	Dynamic analysis of fibre breakage in single-and multiple-fibre composites. Journal of Materials Science, 1996, 31, 4181-4187.	3.7	19
147	Creep crack growth in a short glass fibres reinforced polypropylene composite. Journal of Materials Science, 2001, 36, 4637-4641.	3.7	19
148	Novel electrically conductive polyurethane/montmorillonite-polypyrrole nanocomposites. EXPRESS Polymer Letters, 2015, 9, 945-958.	2.1	19
149	Characterization of drawn monofilaments of liquid crystalline polymer/carbon nanoparticle composites correlated to nematic order. Polymer, 2009, 50, 1797-1804.	3.8	18
150	(Re)processing effects on linear low-density polyethylene/silica nanocomposites. Journal of Polymer Research, 2013, 20, 1.	2.4	18
151	Reprocessing effects on polypropylene/silica nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	18
152	Long-term creep behavior of polypropylene/fumed silica nanocomposites estimated by timeâ€“temperature and timeâ€“strain superposition approaches. Polymer Bulletin, 2014, 71, 2247-2268.	3.3	18
153	Understanding the effect of silica nanoparticles and exfoliated graphite nanoplatelets on the crystallization behavior of isotactic polypropylene. Polymer Engineering and Science, 2015, 55, 672-680.	3.1	18
154	Photocurable resin/microcrystalline cellulose composites for wood protection: Physical-mechanical characterization. Progress in Organic Coatings, 2016, 99, 230-239.	3.9	18
155	Nanoscale friction of graphene oxide over glass-fibre and polystyrene. Composites Part B: Engineering, 2018, 148, 272-280.	12.0	18
156	Effect of phase change microcapsules on the thermo-mechanical, fracture and heat storage properties of unidirectional carbon/epoxy laminates. Polymer Testing, 2020, 91, 106747.	4.8	18
157	Effect of the Temperature and of the Drawing Conditions on the Fracture Behaviour of Thermoplastic Starch Films for Packaging Applications. Journal of Polymers and the Environment, 2020, 28, 3244-3255.	5.0	18
158	Improving fiber/matrix interfacial strength through graphene and graphene-oxide nano platelets. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012004.	0.6	17
159	Thermoplastic Polyurethane Blends With Thermal Energy Storage/Release Capability. Frontiers in Materials, 2018, 5, .	2.4	17
160	Thermal mending in novel epoxy/cyclic olefin copolymer blends. EXPRESS Polymer Letters, 2020, 14, 368-383.	2.1	17
161	Investigation of nonelastic response of semicrystalline polymers at high strain levels. Journal of Applied Polymer Science, 2000, 78, 1664-1670.	2.6	16
162	Thermooxidative stability of different polyurethanes evaluated by isothermal and dynamic methods. Journal of Applied Polymer Science, 2001, 81, 1216-1225.	2.6	16

#	Article	IF	Citations
163	Effect of hydrothermal aging on the thermo-mechanical properties of a composite dental prosthetic material. Polymer Composites, 2002, 23, 342-351.	4.6	16
164	Annealing of drawn monofilaments of liquid crystalline polymer vectra/vapor grown carbon fiber nanocomposites. Polymer, 2010, 51, 1033-1041.	3.8	16
165	Lowâ€cycle fatigue behavior of flexible<scp>3D</scp>printed thermoplastic polyurethane blends for thermal energy storage/release applications. Journal of Applied Polymer Science, 2021, 138, 49704.	2.6	16
166	Multifunctionality of Reduced Graphene Oxide in Bioderived Polylactide/Poly(Dodecylene Furanoate) Nanocomposite Films. Molecules, 2021, 26, 2938.	3.8	16
167	Effect of printing parameters on the electromagnetic shielding efficiency of ABS/carbonaceous-filler composites manufactured via filament fused fabrication. Journal of Manufacturing Processes, 2021, 65, 12-19.	5.9	16
168	Mechanical behaviour of cyclic olefin copolymer/exfoliated graphite nanoplatelets nanocomposites foamed through supercritical carbon dioxide. EXPRESS Polymer Letters, 2016, 10, 977-989.	2.1	16
169	Electrospinning of a blend of a liquid crystalline polymer with poly(ethylene oxide): Vectran nanofiber mats and their mechanical properties. Journal of Materials Chemistry C, 2013, 1, 351-358.	5.5	15
170	Application of the load separation criterion in J-testing of ductile polymers: A round-robin testing exercise. Polymer Testing, 2015, 44, 72-81.	4.8	15
171	Microcrystalline cellulose filled composites for wooden artwork consolidation: Application and physic-mechanical characterization. Materials and Design, 2015, 83, 611-619.	7.0	15
172	Tailoring the Dielectric and Mechanical Properties of Polybutadiene Nanocomposites by Using Designed Ladder-like Polysilsesquioxanes. ACS Applied Nano Materials, 2018, 1, 3817-3828.	5.0	15
173	Novel electroactive polyamide 12 based nanocomposites filled with reduced graphene oxide. Polymer Engineering and Science, 2019, 59, 198-205.	3.1	15
174	Temperature Dependent Strain/Damage Monitoring of Glass/Epoxy Composites with Graphene as a Piezoresistive Interphase. Fibers, 2019, 7, 17.	4.0	15
175	Electromagnetic interference shielding effectiveness of composites based on polyurethane derived from castor oil and nanostructured carbon fillers. Polymer Composites, 2019, 40, E78.	4.6	15
176	Role of Surface-Treated Silica Nanoparticles on the Thermo-Mechanical Behavior of Poly(Lactide). Applied Sciences (Switzerland), 2020, 10, 6731.	2.5	15
177	Poly(vinylidene fluoride)/thermoplastic polyurethane flexible and <scp>3D</scp> printable conductive composites. Journal of Applied Polymer Science, 2021, 138, 50305.	2.6	15
178	Phase structure and tensile creep of recycled poly(ethylene terephthalate)/short glass fibers/impact modifier ternary composites. EXPRESS Polymer Letters, 2009, 3, 235-244.	2.1	15
179	Effect of hydrolysis on molar mass and thermal properties of poly (ester urethanes). Journal of Thermal Analysis, 1994, 41, 1441-1452.	0.6	14
180	Synergistic effect of graphite nanoplatelets and glass fibers in polypropylene composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	14

#	Article	IF	Citations
181	Mechanical and rheological response of polypropylene/boehmite nanocomposites. Journal of Reinforced Plastics and Composites, 2014, 33, 252-265.	3.1	14
182	Cyclic olefin copolymerâ€“silica nanocomposites foams. Journal of Materials Science, 2016, 51, 3907-3916.	3.7	14
183	Novel polyamide 12 based nanocomposites for industrial applications. Journal of Polymer Research, 2017, 24, 1.	2.4	14
184	Shape memory epoxy nanocomposites with carbonaceous fillers and inâ€šsitu generated silver nanoparticles. Polymer Engineering and Science, 2019, 59, 694-703.	3.1	14
185	Smart Manufacturing Process of Carbon-Based Low-Dimensional Structures and Fiber-Reinforced Polymer Composites for Engineering Applications. Journal of Materials Engineering and Performance, 2020, 29, 4162-4186.	2.5	14
186	Mechanical and Functional Properties of Novel Biobased Poly(decylene-2,5-furanoate)/Carbon Nanotubes Nanocomposite Films. Polymers, 2020, 12, 2459.	4.5	14
187	Si3N4 nanofelts/paraffin composites as novel thermal energy storage architecture. Journal of Materials Science, 2021, 56, 1537-1550.	3.7	14
188	Multifunctional structural composites for thermal energy storage. Multifunctional Materials, 2020, 3, 042001.	3.7	14
189	Hydrolytic stability and mechanical properties of poly(ester urethanes). Angewandte Makromolekulare Chemie, 1994, 220, 49-60.	0.2	13
190	Grafting reactions onto poly(organophosphazenes). IV. Light-induced graft copolymerization of organic polymers containing free acid or basic functionalities onto poly[bis(4-benzylphenoxy)phosphazene]. Journal of Applied Polymer Science, 1995, 56, 747-756.	2.6	13
191	Thermal Stabilities of Different Polyurethanes After Hydrolytic Treatment. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 52, 789-797.	1.4	13
192	Microstructure and nematic transition in thermotropic liquid crystalline fibers and their single polymer composites. Polymers for Advanced Technologies, 2007, 18, 771-779.	3.2	13
193	Effect of the water sorption on the mechanical response of microcrystalline celluloseâ€based composites for art protection and restoration. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
194	Effects of carbonaceous nanofillers on the mechanical and electrical properties of crosslinked poly(cyclooctene). Polymer Engineering and Science, 2017, 57, 537-543.	3.1	13
195	Thermo-electrical behaviour of cyclic olefin copolymer/exfoliated graphite nanoplatelets nanocomposites foamed through supercritical carbon dioxide. Journal of Cellular Plastics, 2019, 55, 263-282.	2.4	13
196	Evaluation of the Role of Devulcanized Rubber on the Thermo-mechanical Properties of Polystyrene. Journal of Polymers and the Environment, 2020, 28, 1737-1748.	5.0	13
197	Interphase engineering in polymer composites: Challenging the devilâ€¦. EXPRESS Polymer Letters, 2015, 9, 838-838.	2.1	13
198	A genipin crosslinked silk fibroin monolith by compression molding with recovering mechanical properties in physiological conditions. Cell Reports Physical Science, 2021, 2, 100605.	5.6	13

#	Article	IF	Citations
199	Indentation creep of heterogeneous blends of poly(ethylene terephthalate)/impact modifier. Polymer Testing, 2004, 23, 113-121.	4.8	12
200	Creep and Fatigue Behavior of Polymer Nanocomposites. , 2009, , 301-339.		12
201	Organically modified hydrotalcite for compounding and spinning of polyethylene nanocomposites. EXPRESS Polymer Letters, 2013, 7, 936-949.	2.1	12
202	Liquid crystalline single-polymer short-fibers composites. Composite Interfaces, 2013, 20, 287-298.	2.3	12
203	The effect of compressive stress on the electrically resistivity of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td	3.9	12
204	Poly 2-ethyl-2-oxazoline/microcrystalline cellulose composites for cultural heritage conservation: Mechanical characterization in dry and wet state and application as lining adhesives of canvas. International Journal of Adhesion and Adhesives, 2015, 62, 92-100.	2.9	12
205	Interfacial interactions in silicaâ€reinforced polypropylene nanocomposites and their impact on the mechanical properties. Polymer Composites, 2016, 37, 2018-2026.	4.6	12
206	Novel Poly(Caprolactone)/Epoxy Blends by Additive Manufacturing. Materials, 2020, 13, 819.	2.9	12
207	Production and Characterization of TES-EPDM Foams With Paraffin for Thermal Management Applications. Frontiers in Materials, 2021, 8, .	2.4	12
208	Energy storage and strain-recovery processes in highly deformed semicrystalline poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	2.1	11
209	Relaxation processes in side-chain polyazomethine/thermally reduced graphene oxide nanocomposites. European Polymer Journal, 2017, 96, 119-133.	5.4	11
210	Polydopamine-Coated Paraffin Microcapsules as a Multifunctional Filler Enhancing Thermal and Mechanical Performance of a Flexible Epoxy Resin. Journal of Composites Science, 2020, 4, 174.	3.0	11
211	Evaluation of the role of devulcanized rubber on the thermomechanical properties of expanded ethyleneâ€propylene diene monomers composites. Polymer Engineering and Science, 2021, 61, 767-779.	3.1	11
212	Evaluation of the salt leaching method for the production of ethylene propylene diene monomer rubber foams. Polymer Engineering and Science, 2021, 61, 136-153.	3.1	11
213	Investigation of the Effects of Multi-Wall and Single-Wall Carbon Nanotubes Concentration on the Properties of ABS Nanocomposites. Journal of Carbon Research, 2021, 7, 33.	2.7	11
214	Recycling concepts for short-fiber-reinforced and particle-filled thermoplastic composites: A review. Advanced Industrial and Engineering Polymer Research, 2021, 4, 93-104.	4.7	11
215	Fabrication and characterization of piezoresistive flexible pressure sensors based on poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Over 42, 6621-6634.	4.6	11
216	Novel uses of carbon composites for the fabrication of external fixators. Composites Science and Technology, 2004, 64, 873-883.	7.8	10

#	Article	IF	Citations
217	Melt spinning and drawing of polyethylene nanocomposite fibers with organically modified hydrotalcite. Journal of Applied Polymer Science, 2014, 131, .	2.6	10
218	Cyclic Olefin Copolymer Interleaves for Thermally Mendable Carbon/Epoxy Laminates. Molecules, 2020, 25, 5347.	3.8	10
219	Healable Carbon Fiber-Reinforced Epoxy/Cyclic Olefin Copolymer Composites. Materials, 2020, 13, 2165.	2.9	10
220	NOVEL EPDM/PARAFFIN FOAMS FOR THERMAL ENERGY STORAGE APPLICATIONS. Rubber Chemistry and Technology, 2021, 94, 432-448.	1.2	10
221	Thermophysical Properties of Multifunctional Syntactic Foams Containing Phase Change Microcapsules for Thermal Energy Storage. Polymers, 2021, 13, 1790.	4.5	10
222	Thermochemical heat storage performances of magnesium sulphate confined in polymer-derived SiOC aerogels. Journal of Alloys and Compounds, 2022, 895, 162592.	5.5	10
223	Thermal, thermoâ€mechanical, and dynamic mechanical properties of polypropylene/cycloolefin copolymer blends. Journal of Applied Polymer Science, 2011, 122, 3406-3414.	2.6	9
224	Starch-grafted-polypropylene/kenaf fibres composites. Part 2: thermal stability and dynamic-mechanical response. Journal of Reinforced Plastics and Composites, 2015, 34, 2045-2058.	3.1	9
225	Thermal and mechanical behavior of innovative melt-blown fabrics based on polyamide nanocomposites. Journal of Industrial Textiles, 2016, 45, 1504-1515.	2.4	9
226	Experimental analysis and theoretical modeling of the mechanical behavior of starchâ€graftedâ€polypropylene/kenaf fibers composites. Polymer Composites, 2018, 39, 3289-3299.	4.6	9
227	Structure and Properties of Polyamide 11 Nanocomposites Filled with Fibrous Palygorskite Clay. Journal of Renewable Materials, 2019, 7, 89-102.	2.2	9
228	Polyethylene-based single polymer laminates: Synergistic effects of nanosilica and metal hydroxides. Journal of Reinforced Plastics and Composites, 2019, 38, 62-73.	3.1	9
229	Interfaces in biopolymer nanocomposites: Their role in the gas barrier properties and kinetics of residual solvent desorption. Applied Surface Science, 2020, 507, 145066.	6.1	9
230	Effect of Hydrothermal Treatment and Doping on the Microstructural Features of Sol-Gel Derived BaTiO3 Nanoparticles. Materials, 2021, 14, 4345.	2.9	9
231	Statistical Modeling and Optimization of the Drawing Process of Bioderived Polylactide/Poly(dodecylene furanoate) Wet-Spun Fibers. Polymers, 2022, 14, 396.	4.5	9
232	Vickers Crack Nucleation of Glass Sheets Coated by Thin Silica Gel Layers. Journal of the American Ceramic Society, 1989, 72, 2388-2390.	3.8	8
233	Liquid crystalline organic fibres and their mechanical behaviour. , 2009, , 354-436.		8
234	Polypropylene/date stone flour composites: Effects of filler contents and EBAGMA compatibilizer on morphology, thermal, and mechanical properties. Journal of Applied Polymer Science, 2013, 128, 4314-4321.	2.6	8

#	Article	IF	Citations
235	Study on the surface properties of colored talc filler (CTF) and mechanical performance of CTF/acrylonitrile-butadiene-styrene composite. Journal of Alloys and Compounds, 2016, 676, 513-520.	5.5	8
236	Effect of carbonization and multiâ€walled carbon nanotubes on polyacrylonitrile short carbon fiber â€• epoxy composites. Polymer Composites, 2018, 39, E817.	4.6	8
237	Evaluation of the shape memory behavior of a poly(cyclooctene) based nanocomposite device. Polymer Engineering and Science, 2018, 58, 430-437.	3.1	8
238	Optimization of the thermal mending process in epoxy/cyclic olefin copolymer blends. Journal of Applied Polymer Science, 2021, 138, 49937.	2.6	8
239	Evaluating the Multifunctional Performance of Structural Composites for Thermal Energy Storage. Polymers, 2021, 13, 3108.	4.5	8
240	Bio-composites for fused filament fabrication: effects of maleic anhydride grafting on poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	4.8	8
241	Improving the Thermomechanical Properties of Poly(lactic acid) via Reduced Graphene Oxide and Bioderived Poly(decamethylene 2,5-furandicarboxylate). Materials, 2022, 15, 1316.	2.9	8
242	Production and characterization of novel EPDM/NBR panels with paraffin for potential thermal energy storage applications. Thermal Science and Engineering Progress, 2022, 32, 101309.	2.7	8
243	Thermal and mechanical characterization of poly[bis(4-benzylphenoxy)phosphazene]. Polymer, 1994, 35, 4813-4818.	3.8	7
244	Measurement and analysis of stress transfer and toughness at a fiberâ€“matrix interface. Composites Part A: Applied Science and Manufacturing, 1998, 29, 1063-1070.	7.6	7
245	Nonlinear dynamic behavior of rubber compounds: Construction of dynamic moduli generalized master curves. Polymer Engineering and Science, 2000, 40, 2227-2231.	3.1	7
246	Heterogeneous blends of recycled poly(ethylene terephthalate) with impact modifiers: phase structure and tensile creep. Polymer International, 2004, 53, 984-994.	3.1	7
247	Rheological Study on Polypropylene/Cycloolefin Copolymer Blends. Macromolecular Symposia, 2008, 263, 114-120.	0.7	7
248	Advances in damage mechanics of polymer composites. Composites Part B: Engineering, 2014, 65, 1.	12.0	7
249	Innovative microcrystalline cellulose composites as lining adhesives for canvas. Polymer Engineering and Science, 2015, 55, 1349-1354.	3.1	7
250	Morphology and viscoelastic properties of meltâ€spun HDPE/hydrotalcite nanocomposite fibers. Polymer Composites, 2016, 37, 288-298.	4.6	7
251	Effect of expandable and expanded graphites on the thermo-mechanical properties of polyamide 11. Journal of Elastomers and Plastics, 2019, 51, 175-190.	1.5	7
252	Thermoâ€mechanical and adhesive properties of polymeric films based on ZnAlâ€hydrotalcite composites for active wound dressings. Polymer Engineering and Science, 2019, 59, E112.	3.1	7

#	Article	IF	Citations
253	Chloroform desorption from poly(lactic acid) nanocomposites: a thermal desorption spectroscopy study. Pure and Applied Chemistry, 2020, 92, 391-398.	1.9	7
254	Multifunctional polyurethane foams with thermal energy storage/release capability. Journal of Thermal Analysis and Calorimetry, 2022, 147, 297-313.	3.6	7
255	Interface nanocavities in poly (lactic acid) membranes with dispersed cellulose nanofibrils: Their role in the gas barrier performances. Polymer, 2020, 202, 122729.	3.8	7
256	Biogenic architectures for green, cheap, and efficient thermal energy storage and management. Renewable Energy, 2021, 178, 96-107.	8.9	7
257	The way to autonomic self-healing polymers and composites. EXPRESS Polymer Letters, 2009, 3, 62-62.	2.1	7
258	Effective recycling of endâ€ofâ€life polyvinyl chloride foams in ethyleneâ€“propylene diene monomers rubber. Journal of Vinyl and Additive Technology, 2022, 28, 494-501.	3.4	7
259	Bioadhesive patches based on carboxymethyl cellulose/polyvinylpyrrolidone/bentonite composites and SoluplusÂ® for skin administration of poorly soluble molecules. Applied Clay Science, 2022, 216, 106377.	5.2	7
260	Strain recovery of post-yield compressed semicrystalline poly(butylene terephthalate). Polymer, 2006, 47, 5862-5870.	3.8	6
261	Ultrathin wood laminaeâ€”polyvinyl alcohol biodegradable composites. Polymer Composites, 2018, 39, 1116-1124.	4.6	6
262	Liquid crystalline organic fibers and their mechanical behavior. , 2018, , 621-697.		6
263	Novel phase change materials using thermoplastic composites. AIP Conference Proceedings, 2018, , .	0.4	6
264	Thermal Mending of Electroactive Carbon/Epoxy Laminates Using a Porous Poly(Îµ-caprolactone) Electrospun Mesh. Polymers, 2021, 13, 2723.	4.5	6
265	Electrospun Shape-Stabilized Phase Change Materials Based on Photo-Crosslinked Polyethylene Oxide. Polymers, 2021, 13, 2979.	4.5	6
266	Improving the Wet-Spinning and Drawing Processes of Poly(lactide)/Poly(ethylene furanoate) and Polylactide/Poly(dodecamethylene furanoate) Fiber Blends. Polymers, 2022, 14, 2910.	4.5	6
267	Tuning Electrical and Thermal Properties in Epoxy/Glass Composites by Graphene-Based Interphase. Journal of Composites Science, 2017, 1, 12.	3.0	5
268	Lifetime assessment of high-density polyethyleneâ€“silica nanocomposites. Nanomaterials and Nanotechnology, 2019, 9, 184798041984998.	3.0	5
269	Evaluation of the role of carbon nanotubes on the electrical properties of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 51, 3-25.	1.5	5
270	Thermo-Mechanical Behavior and Hydrolytic Degradation of Linear Low Density Polyethylene/Poly(3-hydroxybutyrate) Blends. Frontiers in Materials, 2020, 7, .	2.4	5

#	Article	IF	Citations
271	Development of new nanocomposites for 3D printing applications. , 2020, , 17-59.		5
272	Mechanical Behaviour of Multifunctional Epoxy/Hollow Glass Microspheres/Paraffin Microcapsules Syntactic Foams for Thermal Management. Polymers, 2021, 13, 2896.	4.5	5
273	Surface free energy and mechanical performance of LDPE/CBF composites containing toxic-metal free filler. International Journal of Adhesion and Adhesives, 2017, 77, 58-62.	2.9	5
274	Post-yield compressed semicrystalline poly(butylene terephthalate): energy storage and release. Polymer, 2004, 45, 3497-3504.	3.8	4
275	Structural Health Monitoring: Current State and Future Trends. , 2018, , .		4
276	Synergistic effects of metal hydroxides and fumed nanosilica as fire retardants for polyethylene. Flame Retardancy and Thermal Stability of Materials, 2019, 2, 30-48.	1.1	4
277	Graphene Deposition on Glass Fibers by Triboelectrification. Applied Sciences (Switzerland), 2021, 11, 3123.	2.5	4
278	Determination of the Fracture Resistance of Ductile Polymers: The ESIS TC4 Recent Experience. Materials Performance and Characterization, 2020, 9, 675-687.	0.3	4
279	Photochemical behavior of poly(organophosphazenes)â€"XIII. Sensitized photochemistry of poly[bis(4-benzylphenoxy)phosphazene] in solution and in film. European Polymer Journal, 1995, 31, 791-801.	5.4	3
280	DSC analysis of post-yield deformed pbt. Effects of thermal history. Journal of Thermal Analysis and Calorimetry, 2008, 94, 825-833.	3.6	3
281	Improving fibre/matrix interface through nanoparticles. EXPRESS Polymer Letters, 2013, 7, 106-106.	2.1	3
282	Where micro- and nano-worlds meet: multiscale polymer composites. EXPRESS Polymer Letters, 2015, 9, 329-329.	2.1	3
283	Interleaving in structural composites: Adapting an old concept to new challenges. EXPRESS Polymer Letters, 2018, 12, 1025-1025.	2.1	3
284	In vitro degradation of poly(Lâ€lactic acid) fibers produced by melt spinning. Journal of Applied Polymer Science, 1997, 64, 213-223.	2.6	3
285	Salt leaching as a green method for the production of polyethylene foams for thermal energy storage applications. Polymer Engineering and Science, 2022, 62, 1650-1663.	3.1	3
286	Nanocomposite fibres: a strategy for stronger materials?. EXPRESS Polymer Letters, 2010, 4, 669-669.	2.1	2
287	Fatigue behaviour of biocomposites. , 2017, , 431-478.		2
288	Ultrathin Wood Laminaeâ€"Thermoplastic Starch Biodegradable Composites. Journal of Renewable Materials, 2017, , .	2.2	2

#	Article	IF	Citations
289	Thermal management with polymer composites. EXPRESS Polymer Letters, 2019, 13, 844-844.	2.1	2
290	Adiabatic effects on the temperature and rate dependency of the fracture toughness of an ethylene-fluoroethylene film. Engineering Fracture Mechanics, 2019, 214, 260-269.	4.3	2
291	Editorial: Biodegradable Matrices and Composites. Frontiers in Materials, 2020, 7, .	2.4	2
292	Thermal Energy Storage with Polymer Composites. , 0, , .		2
293	Additive manufacturing with biodegradable polymers. , 2022, , 611-679.		2
294	Three Dimensional Printing of Multiscale Carbon Fiber-Reinforced Polymer Composites Containing Graphene or Carbon Nanotubes. Nanomaterials, 2022, 12, 2064.	4.1	2
295	Hexakis(4-Oxazolinophenoxy) Cyclophosphazene as a Novel Compatibilizer for Polycarbonates and Polyamides. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 169, 263-266.	1.6	1
296	Rate and Temperature Effects on the Plane Stress Essential Work of Fracture in Semicrystalline Pet. European Structural Integrity Society, 2003, , 89-100.	0.1	1
297	Expressing polymers for a sustainable development. EXPRESS Polymer Letters, 2017, 11, 852-852.	2.1	1
298	Combined effect of fumed silica and metal hydroxides as fire retardants in PE single-polymer composites. AIP Conference Proceedings, 2018, , .	0.4	1
299	Comparison of Two Accelerated Hot-Wet Aging Conditions of a Glass-Reinforced Epoxy Resin. , 1998, , 235-245.		1
300	Fatigue behaviour of biocomposites. , 2010, , 465-505.		0
301	Mechanical, viscoelastic and sorption behaviour of acrylonitrileâ€“butadieneâ€“styrene composites with 0D and 1D nanofillers. Polymer Bulletin, 0, , 1.	3.3	0
302	Tensile Creep Behaviour Of LLDPE-Fumed Silica Nanocomposites. , 0, , 183-192.		0
303	Thermomechanical evaluation of expanded ethyleneâ€propylene diene monomers rubber mixed with recycled polyvinyl chloride foams. Cleaner Materials, 2022, 4, 100091.	5.1	0
304	Fatigue Fracture of Neat and Short Glass Fiber Reinforced Polypropylene: Effect of Frequency and Material Orientation. Journal of Composite Materials, 2000, 34, 1009-1027.	2.4	0