

Volker AltstÄdt

List of Publications by Year in descending order

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296
papers

9,209
citations

47409

49
h-index

66518

82
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300
all docs

300
docs citations

300
times ranked

7883
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Multifunctional Epoxy-Based Joncryl [®] ADR Chain Extended Thermoplastics. <i>Polymer Reviews</i> , 2022, 62, 296-350.	5.3	61
2	Influence of foam density on burning behavior of polymer bead foams. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51558.	1.3	4
3	Approach to quantify the resistance of polymeric foams against thermal load under compression. <i>Journal of Polymer Engineering</i> , 2022, 42, 277-287.	0.6	7
4	Foam 3D Printing of Thermoplastics: A Symbiosis of Additive Manufacturing and Foaming Technology. <i>Advanced Science</i> , 2022, 9, e2105701.	5.6	30
5	Thermoplastic Hybrid Composites with Wood Fibers: Bond Strength of Back-Injected Structures. <i>Materials</i> , 2022, 15, 2473.	1.3	0
6	Halogen-free flame-retardant cable compounds: Influence of magnesium hydroxide filler and coupling agent on EVA/LLDPE blend system morphology. <i>Polymer Engineering and Science</i> , 2022, 62, 461-471.	1.5	6
7	Transparent PC/PMMA Blends with Enhanced Mechanical Properties via Reactive Compounding of Functionalized Polymers. <i>Polymers</i> , 2022, 14, 73.	2.0	9
8	Progress in the development of bead foams – A review. <i>Journal of Cellular Plastics</i> , 2022, 58, 707-735.	1.2	23
9	Influence of Sample Wetting Method on ESC-Behavior of PMMA under Dynamic Fatigue Crack Propagation. <i>Materials</i> , 2022, 15, 4114.	1.3	2
10	Temperature-dependent fracture behavior of towpreg epoxy resins for cryogenic liquid hydrogen composite vessels: The influence of polysiloxane tougheners on the resin yield behavior. <i>Polymer Testing</i> , 2022, 113, 107678.	2.3	9
11	Novel Expandable Epoxy Beads and Epoxy Particle Foam. <i>Materials</i> , 2022, 15, 4205.	1.3	7
12	Preparation of pros-foam sheets and their epoxy foams using the solid-state carbamate-foaming technique. <i>Polymer</i> , 2022, 254, 125080.	1.8	1
13	Copolymerization approach of soft segment towards the adhesion improvement of polycarbonate-based thermoplastic polyurethane. <i>Journal of Adhesion</i> , 2021, 97, 1456-1472.	1.8	5
14	Insights into the Bead Fusion Mechanism of Expanded Polybutylene Terephthalate (E-PBT). <i>Polymers</i> , 2021, 13, 582.	2.0	11
15	<i>SusMat</i> : Materials innovation for sustainable development. <i>SusMat</i> , 2021, 1, 2-3.	7.8	4
16	Mechanical Properties of the Carbon Nanotube Modified Epoxy-Carbon Fiber Unidirectional Prepreg Laminates. <i>Polymers</i> , 2021, 13, 770.	2.0	19
17	Kinked Bisamides as Efficient Supramolecular Foam Cell Nucleating Agents for Low-Density Polystyrene Foams with Homogeneous Microcellular Morphology. <i>Polymers</i> , 2021, 13, 1094.	2.0	8
18	DNA as a Natural Flame Retardant for Cellulose Acetate Polymer Mixtures. <i>ChemistrySelect</i> , 2021, 6, 3605-3609.	0.7	5

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19	Tailoring Epoxy Resin Foams by Pre-Curing with Neat Amine Hardeners and Its Derived Carbamates. <i>Polymers</i> , 2021, 13, 1348.	2.0	5
20	Synthesis and Characterization of Dual-Functional Carbamates as Blowing and Curing Agents for Epoxy Foam. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7065-7080.	1.8	7
21	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science & Technology</i> , 2021, 55, 7930-7938.	4.6	94
22	New Insights on Expandability of Pre-Cured Epoxy Using a Solid-State CO ₂ -Foaming Technique. <i>Polymers</i> , 2021, 13, 2441.	2.0	5
23	Correlative Zernike phase contrast X-ray nanotomography to determine the distribution and orientation of graphite particles in a carbon fiber reinforced epoxy resin for improved thermal conductivity. <i>Microscopy and Microanalysis</i> , 2021, 27, 944-946.	0.2	0
24	Investigation of the Thermal and Hydrolytic Degradation of Polylactide during Autoclave Foaming. <i>Polymers</i> , 2021, 13, 2624.	2.0	12
25	Low temperature fatigue crack propagation in toughened epoxy resins aimed for filament winding of type V composite pressure vessels. <i>Polymer Testing</i> , 2021, 102, 107323.	2.3	19
26	Fire behavior and flame-retardant properties of application-oriented fiber-reinforced polymers (FRPs). <i>Polymers</i> , 2021, 13, 383-417.		3
27	Investigations on Epoxy-Carbamate Foams Modified with Different Flame Retardants for High-Performance Applications. <i>Polymers</i> , 2021, 13, 3893.	2.0	2
28	Impact of Enzymatic Degradation on the Material Properties of Poly(Ethylene Terephthalate). <i>Polymers</i> , 2021, 13, 3885.	2.0	7
29	Flame retardant polyester by combination of organophosphorus compounds and an NOR radical forming agent. <i>Journal of Applied Polymer Science</i> , 2020, 137, 47876.	1.3	10
30	Viscoelastic epoxy foams by an aqueous emulsion foaming process. <i>Journal of Cellular Plastics</i> , 2020, 56, 105-118.	1.2	7
31	Influence of nucleating agent type on the morphology of extruded polyetherimide foam for printed circuit boards*. <i>Journal of Cellular Plastics</i> , 2020, 56, 317-341.	1.2	3
32	Development of in situ nanofibrillar poly (lactic acid)/poly (butylene terephthalate) composites: Non-isothermal crystallization and crystal morphology. <i>European Polymer Journal</i> , 2020, 125, 109489.	2.6	15
33	Assessment of compatibilization role of nanoclay in immiscible polystyrene/ethylene- <i>co</i> -octene copolymer blends via wide-angle X-ray scattering, microstructure, rheological analyses, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48748.	1.3	5
34	Rheological rationalization of in situ nanofibrillar structure development: Tailoring of nanohybrid shish-kebab superstructures of poly (lactic acid) crystalline phase. <i>Polymer</i> , 2020, 211, 123040.	1.8	8
35	Melt impregnation of woven glass fabric reinforced composites in situ modified with short glass fibers in the interlaminar free spacing: Morphology, microstructure and static mechanical properties. <i>Polymer Composites</i> , 2020, 41, 4117-4129.	2.3	6
36	Properties of Styrene-Maleic Anhydride Copolymer Compatibilized Polyamide 66/Poly (Phenylene Ether) Blends: Effect of Blend Ratio and Compatibilizer Content. <i>Materials</i> , 2020, 13, 3400.	1.3	1

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37	Time Domain ^1H NMR, Thermomechanical, and Rheology Multiscale Structural Characterization of Polydimethylsiloxane-Toughened Epoxy Nanocomposites for Liquid Composite Molding. ACS Applied Polymer Materials, 2020, 2, 4779-4789.	2.0	14
38	Low-Density Polybutylene Terephthalate Foams with Enhanced Compressive Strength via a Reactive-Extrusion Process. Polymers, 2020, 12, 2021.	2.0	8
39	Fire behavior of flame retarded sandwich structures containing PET foam cores and epoxy face sheets. Polymer Composites, 2020, 41, 5195-5208.	2.3	5
40	Expanded Polycarbonate (EPC) – A New Generation of High-Temperature Engineering Bead Foams. Polymers, 2020, 12, 2314.	2.0	29
41	Rheology in the Presence of Carbon Dioxide (CO ₂) to Study the Melt Behavior of Chemically Modified Polylactide (PLA). Polymers, 2020, 12, 1108.	2.0	11
42	Lightweight Ultra-High-Barrier Liners for Helium and Hydrogen. ACS Nano, 2020, 14, 7018-7024.	7.3	26
43	Investigation of melamine and DOPO-derived flame retardants for the bioplastic cellulose acetate. Polymer Testing, 2020, 90, 106702.	2.3	9
44	Influence of Particle Size on Toughening Mechanisms of Layered Silicates in CFRP. Materials, 2020, 13, 2396.	1.3	3
45	Evaluation of the Zero Shear Viscosity, the D-Content and Processing Conditions as Foam Relevant Parameters for Autoclave Foaming of Standard Polylactide (PLA). Materials, 2020, 13, 1371.	1.3	20
46	Properties of Styrene-Maleic Anhydride Copolymer Compatibilized Polyamide 66/Poly (Phenylene) Terephthalate Foams. Polymers, 2020, 12, 1237.	1.3	12
47	Flame-retardant hybrid materials based on expandable polystyrene beads. Journal of Fire Sciences, 2020, 38, 270-283.	0.9	4
48	Effect of the chemical modification on the thermal and rheological properties of different polylactides for foaming. AIP Conference Proceedings, 2020, , .	0.3	0
49	Improving the flame-retardant property of bottle-grade PET foam made by reactive foam extrusion. Journal of Applied Polymer Science, 2020, 137, 49042.	1.3	21
50	Properties of bead foams with increased heat stability made from the engineering polymer polybutylene terephthalate (E-PBT). AIP Conference Proceedings, 2020, , .	0.3	6
51	Expanded polyamide 12 bead foams (ePA) thermo-mechanical properties of molded parts. AIP Conference Proceedings, 2020, , .	0.3	12
52	Investigation of flame retarded polypropylene by high-speed planar laser-induced fluorescence of OH radicals combined with a thermal decomposition analysis. Experiments in Fluids, 2020, 61, 1.	1.1	8
53	Comparison of the Foamability of Linear and Long-Chain Branched Polypropylene – The Legend of Strain-Hardening as a Requirement for Good Foamability. Polymers, 2020, 12, 725.	2.0	25
54	Rheological Study of Gelation and Crosslinking in Chemical Modified Polyamide 12 Using a Multiwave Technique. Polymers, 2020, 12, 855.	2.0	24

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55	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT /Over	0.9	7
56	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	0
57	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT /Over 1485-1501.	0.9	3
58	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	0
59	Modification of different polylactides by reactive extrusion to enhance their melt properties. AIP Conference Proceedings, 2020, , .	0.3	1
60	Improvement of fracture toughness and glass transition temperature of <scp>DGEBA</scp>â€based epoxy systems using toughening and crosslinking modifiers. Polymer Engineering and Science, 2019, 59, 86-95.	1.5	10
61	Effects of chemical modifications on the rheological and the expansion behavior of polylactide (PLA) in foam extrusion. E-Polymers, 2019, 19, 297-304.	1.3	22
62	Thermal, fire, and mechanical properties of solventâ€free processed BN/boehmiteâ€filled prepregs. Polymer Engineering and Science, 2019, 59, 1840-1852.	1.5	9
63	Effect of filler type and particle size distribution on thermal properties of bimodal and hybrid â€ BN/Boehmite-filled EP-Novolac composites. AIP Conference Proceedings, 2019, , .	0.3	6
64	Influence of mid-stress on the dynamic fatigue of a light weight EPS bead foam. E-Polymers, 2019, 19, 349-354.	1.3	5
65	Dielectric analysis monitoring of thermoset curing with ionic liquids: From modeling to the prediction in the resin transfer molding process. Polymer Composites, 2019, 40, 4500-4509.	2.3	10
66	Effect of Curing Agent on the Compressive Behavior at Elevated Test Temperature of Carbon Fiber-Reinforced Epoxy Composites. Polymers, 2019, 11, 943.	2.0	20
67	Transverse Thermal Conductivity of Epoxy Carbon Fiber Prepreg Laminates with a Graphite Filled Matrix. Journal of Composites Science, 2019, 3, 44.	1.4	5
68	The Effect of Dispersion and Particleâ€Matrix Interactions on the Fatigue Behavior of Novel Epoxy/Halloysite Nanocomposites. , 2019, , 121-155.		7
69	Influence of Fiber Volume Content on Thermal Conductivity in Transverse and Fiber Direction of Carbon Fiber-Reinforced Epoxy Laminates. Materials, 2019, 12, 1084.	1.3	34
70	Copper and Nickel Coating of Carbon Fiber for Thermally and Electrically Conductive Fiber Reinforced Composites. Polymers, 2019, 11, 823.	2.0	19
71	Investigation on the Flame Retardant Properties and Fracture Toughness of DOPO and Nano-SiO ₂ Modified Epoxy Novolac Resin and Evaluation of Its Combinational Effects. Materials, 2019, 12, 1528.	1.3	17
72	Effect of Resin and Blocked/Unblocked Hardener Mixture on the Production of Epoxy Foams with CO ₂ Blocked Hardener in Batch Foaming Process. Polymers, 2019, 11, 793.	2.0	13

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73	Morphology control of extruded polystyrene foams with benzene-trisamide-based nucleating agents. <i>Journal of Cellular Plastics</i> , 2019, 55, 249-261.	1.2	10
74	Foams. , 2019, , 579-641.		0
75	Influence of low heat conductive inserts on morphology of foam injection molded parts. AIP Conference Proceedings, 2019, , .	0.3	1
76	Development of a bead foam based on the engineering polymer polybutylene terephthalate. AIP Conference Proceedings, 2019, , .	0.3	5
77	Chemical Modification and Foam Processing of Polylactide (PLA). <i>Polymers</i> , 2019, 11, 306.	2.0	118
78	Thermal expansion of clay polymer nanocomposites as a function of aspect ratio and filler content. <i>Polymer</i> , 2019, 169, 74-79.	1.8	3
79	Extruded Polystyrene Foams with Enhanced Insulation and Mechanical Properties by a Benzene-Trisamide-Based Additive. <i>Polymers</i> , 2019, 11, 268.	2.0	27
80	Modified polylactide with improved properties for extrusion foaming. AIP Conference Proceedings, 2019, , .	0.3	0
81	Transparent PC/PMMA Blends Via Reactive Compatibilization in a Twin-Screw Extruder. <i>Polymers</i> , 2019, 11, 2070.	2.0	18
82	Poly(lactic acid)/coplasticized thermoplastic starch blend: Effect of plasticizer migration on rheological and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2019, 30, 839-851.	1.6	53
83	Modified foam cores for full thermoplastic composite sandwich structures. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 1150-1166.	2.0	4
84	Mechanical performance of CF/PEEK/PEI foam core sandwich structures. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2680-2699.	2.0	13
85	Novel epoxy prepreg resins for aircraft interiors based on combinations of halogen-free flame retardants. <i>CEAS Aeronautical Journal</i> , 2018, 9, 235-248.	0.9	3
86	Shear band propagation in honeycombs: numerical and experimental. <i>Rapid Prototyping Journal</i> , 2018, 24, 477-484.	1.6	7
87	Improved compression properties of polypropylene extrusion foams by supramolecular additives. <i>Journal of Cellular Plastics</i> , 2018, 54, 483-498.	1.2	14
88	Definition of process parameters for manufacturing of thermoplastic composite sandwiches " Part A. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 745-766.	2.6	4
89	Definition of process parameters for manufacturing of thermoplastic composite sandwiches " Part B. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 803-819.	2.6	0
90	Advanced properties of composites of recycled high-density polyethylene and microfibers of sugarcane bagasse. <i>Journal of Composite Materials</i> , 2018, 52, 867-876.	1.2	15

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91	Fracture behaviour of prepreg laminates studied by in-situ SEM mechanical tests. <i>Procedia Structural Integrity</i> , 2018, 13, 1442-1446.	0.3	2
92	Development of a Bead Foam from an Engineering Polymer with Addition of Chain Extender: Expanded Polybutylene Terephthalate. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17170-17176.	1.8	44
93	Interrelation between mechanical response, strain field, and local free volume evolution in glassy polymers: Seeking the atomistic origin of post-yield softening. <i>EXPRESS Polymer Letters</i> , 2018, 12, 2-12.	1.1	6
94	Influence of size, aspect ratio and shear stiffness of nanoclays on the fatigue crack propagation behavior of their epoxy nanocomposites. <i>Polymer</i> , 2018, 158, 372-380.	1.8	11
95	The impact of morphology on thermal properties and aerobic biodegradation of physically compatibilized poly (lactic acid)/co ϵ plasticized thermoplastic starch blends. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2880-2889.	1.6	17
96	Properties of copper modified polyamide 12-powders and their potential for the use as laser direct structurable electronic circuit carriers. <i>Additive Manufacturing</i> , 2018, 23, 347-354.	1.7	31
97	Manufacturing of thermoplastic composite sandwich structures. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 437-464.	2.6	61
98	The role of multi-walled carbon nanotubes in epoxy nanocomposites and resin transfer molded glass fiber hybrid composites: Dispersion, local distribution, thermal, and fracture/mechanical properties. <i>Polymer Composites</i> , 2017, 38, 1849-1863.	2.3	16
99	Effect of organoclay incorporation and blending protocol on performance of PA6/ABS nanocomposites compatibilized with SANMA. <i>Polymer Engineering and Science</i> , 2017, 57, 1147-1154.	1.5	15
100	Effect of chemical modification on the thermal and rheological properties of polylactide. <i>Polymer Engineering and Science</i> , 2017, 57, 1242-1251.	1.5	22
101	Spongy Gels by a Top ϵ Down Approach from Polymer Fibrous Sponges. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3285-3288.	7.2	56
102	A numerical approach to study the post-yield softening in cellular solids: role of microstructural ordering and cell size distribution. <i>Acta Mechanica</i> , 2017, 228, 2005-2016.	1.1	6
103	Ultralight sponges of poly(para-xylylene) by template-assisted chemical vapour deposition. <i>E-Polymers</i> , 2017, 17, 255-261.	1.3	8
104	From UD-tape to Final Part ϵ “ A Comprehensive Approach Towards Thermoplastic Composites. <i>Procedia CIRP</i> , 2017, 66, 96-100.	1.0	31
105	Rheological behaviour of a high-melt-strength polypropylene at elevated pressure and gas loading for foaming purposes. <i>Rheologica Acta</i> , 2017, 56, 95-111.	1.1	18
106	Synergistic effects of Janus particles and triblock terpolymers on toughness of immiscible polymer blends. <i>Polymer</i> , 2017, 109, 229-237.	1.8	37
107	Plasticity in polymeric honeycombs made by photo-polymerization and nozzle based 3D-printing. <i>Polymer Testing</i> , 2017, 63, 163-167.	2.3	19
108	Autoclave foaming of chemically modified polylactide. <i>Journal of Cellular Plastics</i> , 2017, 53, 481-489.	1.2	10

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109	Welding quality in polymer bead foams: An in situ SEM study. AIP Conference Proceedings, 2017, , .	0.3	5
110	Application of Amine-Functionalized Cellulose Foam for CO ₂ Capture and Storage in the Brewing Industry. Journal of Renewable Materials, 2017, , .	1.1	1
111	Fatigue Crack Growth Behaviour of Epoxy Nanocomposites – Influence of Particle Geometry. Springer Series in Materials Science, 2017, , 23-32.	0.4	0
112	Morphology Formation in PC/ABS Blends during Thermal Processing and the Effect of the Viscosity Ratio of Blend Partners. Materials, 2016, 9, 659.	1.3	44
113	Upcycling Polymers and Natural Fibers Waste – Properties of a Potential Building Material. Recycling, 2016, 1, 205-218.	2.3	9
114	Influence of Binary Curing System on the Nitrile Rubber Mechanical Properties. Macromolecular Symposia, 2016, 367, 55-62.	0.4	2
115	Back injection molding of FR4 with heat conductive polymers. AIP Conference Proceedings, 2016, , .	0.3	0
116	Modified standard polylactic acid (PLA) for extrusion foaming. AIP Conference Proceedings, 2016, , .	0.3	5
117	Lignin as renewable raw material for applications in electronics. AIP Conference Proceedings, 2016, , .	0.3	2
118	Flame Retardancy of Polymers: The Role of Specific Reactions in the Condensed Phase. Macromolecular Materials and Engineering, 2016, 301, 9-35.	1.7	174
119	Polymer Foams Made of Immiscible Polymer Blends Compatibilized by Janus Particles – Effect of Compatibilization on Foam Morphology. Advanced Engineering Materials, 2016, 18, 814-825.	1.6	33
120	Influence of different beta-nucleating agents on the morphology of isotactic polypropylene and their toughening effectiveness. Polymer, 2016, 98, 320-326.	1.8	48
121	Effects of mixing protocol on morphology and properties of PA6/ABS blends compatibilized with MMA-MA. Journal of Applied Polymer Science, 2016, 133, .	1.3	33
122	Increasing time of ignition for PS-clay nanocomposites filled with [Fe(bpy) ₃] ²⁺ -modified hectorite. Polymer Degradation and Stability, 2016, 128, 141-148.	2.7	8
123	Influence of different crosslinking systems on the mechanical and morphological properties of thermoplastic vulcanizates. AIP Conference Proceedings, 2015, , .	0.3	3
124	Influence of graphene on the cell morphology and mechanical properties of extruded polystyrene foam. Journal of Cellular Plastics, 2015, 51, 413-426.	1.2	35
125	Micromechanics of raspberry-morphology in PPE/SAN polymer blends compatibilized with linear ABC triblock terpolymers. Polymer, 2015, 80, 52-63.	1.8	17
126	Fatigue crack propagation behaviour of epoxy resins modified with silica-nanoparticles. Polymer, 2015, 60, 157-163.	1.8	66

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127	Influence of an imidazolium salt on the curing behaviour of an epoxy-based hot-melt prepreg system for non-structural aircraft applications. CEAS Aeronautical Journal, 2015, 6, 31-37.	0.9	13
128	Carbon-based nanofillers/Poly(butylene terephthalate): thermal, dielectric, electrical and rheological properties. Journal of Polymer Research, 2015, 22, 1.	1.2	13
129	Identification of failure mechanisms of metallised glass fibre reinforced composites under tensile loading using acoustic emission analysis. Composites Part B: Engineering, 2015, 81, 1-13.	5.9	23
130	Analyzing the influence of particle size and stiffness state of the nanofiller on the mechanical properties of epoxy/clay nanocomposites using a novel shear-stiff nano-mica. Journal of Materials Science, 2015, 50, 4845-4859.	1.7	25
131	Ultralight, Soft Polymer Sponges by Self-Assembly of Short Electrospun Fibers in Colloidal Dispersions. Advanced Functional Materials, 2015, 25, 2850-2856.	7.8	164
132	Transfer batch blending, an innovative solvent/solid assisted method for melt compounding to achieve good dispersion quality for polymer-clay-nanocomposites. Composites Science and Technology, 2015, 114, 34-41.	3.8	10
133	Preparation of microcellular low-density PMMA nanocomposite foams: Influence of different fillers on the mechanical, rheological and cell morphological properties. Composites Science and Technology, 2015, 118, 108-116.	3.8	44
134	Microcellular to nanocellular polymer foams: Progress (2004-2015) and future directions - A review. European Polymer Journal, 2015, 73, 500-519.	2.6	221
135	Effect of dispersion and selective localization of carbon nanotubes on rheology and electrical conductivity of polyamide 6 (PA6), Polypropylene (PP), and PA6/PP nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 368-378.	2.4	69
136	Past and present developments in polymer bead foams and bead foaming technology. Polymer, 2015, 56, 5-19.	1.8	189
137	Full-field shear analyses of sandwich core materials using Digital Image Correlation (DIC). Composites Part B: Engineering, 2015, 70, 156-166.	5.9	42
138	Crystallization Kinetics of Recycled High Density Polyethylene and Coffee Dregs Composites. Polymers and Polymer Composites, 2014, 22, 541-550.	1.0	9
139	E-PBT Bead foaming of poly(butylene terephthalate) by underwater pelletizing. Journal of Cellular Plastics, 2014, 50, 475-487.	1.2	39
140	Competition in aluminium phosphinate-based halogen-free flame retardancy of poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.3	65
141	Carbon fiber-reinforced composites using an epoxy resin matrix modified with reactive liquid rubber and silica nanoparticles. Composites Science and Technology, 2014, 105, 86-95.	3.8	94
142	Functionalized Graphene and Carbon Materials as Components of Styrene-Butadiene Rubber Nanocomposites Prepared by Aqueous Dispersion Blending. Macromolecular Materials and Engineering, 2014, 299, 319-329.	1.7	72
143	Towards completely miscible PMMA nanocomposites reinforced by shear-stiff, nano-mica. Journal of Colloid and Interface Science, 2014, 425, 143-151.	5.0	16
144	Acoustic emission analysis for characterisation of damage mechanisms in fibre reinforced thermosetting polyurethane and epoxy. Composites Part B: Engineering, 2014, 56, 477-483.	5.9	56

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145	The effect of carbon black reinforcement on the dynamic fatigue and creep of polyisobutylene-based biomaterials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 355-365.	1.5	10
146	Reprint of: Acoustic emission analysis for characterisation of damage mechanisms in fibre reinforced thermosetting polyurethane and epoxy. <i>Composites Part B: Engineering</i> , 2014, 65, 117-123.	5.9	16
147	Identification of interface failure mechanisms of metallized glass fibre reinforced composites using acoustic emission analysis. <i>Composites Part B: Engineering</i> , 2014, 66, 443-452.	5.9	35
148	The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. <i>ACS Nano</i> , 2014, 8, 10048-10056.	7.3	125
149	Rheological and crystallisation behaviour of high melt strength polypropylene under gas-loading. <i>Polymer</i> , 2014, 55, 1537-1545.	1.8	33
150	Influence of trisamide-based additives on the morphological and mechanical properties of isotactic polypropylene. <i>Polymer</i> , 2014, 55, 3227-3233.	1.8	21
151	On the importance of specific interface area in clay nanocomposites of \hat{A} PMMA filled with synthetic nano-mica. <i>Polymer</i> , 2014, 55, 3770-3781.	1.8	13
152	Tailored benzoxazines as novel resin systems for printed circuit boards in high temperature e-mobility applications. , 2014, , .		1
153	Surface modification of polypropylene based particle foams. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	5
154	Foam injection molding of thermoplastic elastomers: Blowing agents, foaming process and characterization of structural foams. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	10
155	PP/EPDM-blends by dynamic vulcanization: Influence of increasing peroxide concentration on mechanical, morphological and rheological characteristics. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	4
156	Determination of adhesion between thermoplastic and liquid silicone rubbers in hard-soft-combinations via mechanical peeling test. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	4
157	Liquid composite molding-processing and characterization of fiber-reinforced composites modified with carbon nanotubes. , 2014, , .		2
158	Foam injection moulding of a TPO/TPC-blend and the effect of different nucleating agents on the resulting foam structure. , 2014, , .		2
159	Influence of the composite surface structure on the peel strength of metallized carbon fibre-reinforced epoxy. <i>Surface and Coatings Technology</i> , 2013, 232, 319-325.	2.2	47
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